

# Example form for Staff Handbook

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Name	Cao Guohui		
Post	Professor, graduate supervisor		
Academic career	Structural Engineering	Hunan University	2002-2007
	Structural Engineering	Hunan University	1997-2000
	Industrial and Civil Architecture major	Hunan Urban Construction College	1990-1993
Employment	Position	Employer	Period
	Teaching assistant	Hunan Urban Construction College	1993-1997
	Chief Engineer	Guangzhou Liwan District Housing Safety Appraisal Institute	2000-2002
	Director of the Laboratory, Vice Dean of the School of Civil Engineering	Hunan City University	2002-2012
	Dean of the School of Civil Engineering	Hunan City University	From 2013 to the present
Research and development projects over the last 5 years	<p>Project Name (Number), Funding Organization, Project Amount, Project Execution Time, Role (Principal Investigator or Participant)</p> <p>1. Research on the Long - term Mechanical Properties of Steel - All - Light Shale Ceramsite Concrete Composite Beams under the Coupling Action of Stud Corrosion and Load (52278174), funded by the National Natural Science Foundation of China, with a project amount of 540,000 yuan. The project execution time is from 2023 to 2026. The project is in progress, and I am the principal investigator.</p> <p>2. Research on the Corrosion Mechanism of Reinforced Concrete Columns under Load (2021JJ50139), funded by the Natural Science Foundation of Hunan Province. The project amount is 50,000 yuan, and the project execution time is from 2021 to 2023. The project has been completed, and I served as the project leader.</p>		

Industry collaborations over the last 5 years	Course Name: Principles of Concrete Structure Design		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1] <b>Cao G H</b>, Shen J Y, Yang L G, Li K Z, Li Z H . Experimental and modeling study on long-term deformation of three-span prestressed concrete continuous box-girder bridge model after cracking[J]. <b>ASCE, Journal of Bridge Engineering</b>, 2024, 29(10): 04024073.</p> <p>[2] <b>曹国辉</b>主编. 土木工程结构试验[M]. <b>中国电力出版社</b>, 2023.</p> <p>[3] <b>曹国辉</b>, 廖世杰, 彭鹏, 肖勇刚. 腐蚀与荷载耦合作用下钢-混凝土组合梁长期变形研究[J]. <b>土木工程学报</b>, 2022, 55(1): 32-40+88.</p> <p>[4] <b>曹国辉</b>, 王礼彬, 张展维. 氯盐环境与荷载耦合作用下加载龄期对钢筋混凝土柱徐变影响[J]. <b>建筑结构学报</b>, 2022, 43(6): 275-283.</p> <p>[5] <b>曹国辉</b>, 曹一青, 周超, 李海. 栓钉锈蚀后钢-混凝土组合梁抗弯性能试验研究[J]. <b>铁道学报</b>, 2022, 44(11): 129-135.</p> <p>[6] <b>Cao G H</b>, Zhang W, Hu J X, Peng X R. Long-term performance of prestressed concrete continuous box girders in the natural environment[J]. <b>Canadian Journal of Civil Engineering</b>, 2020, 47(7): 856-864.</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Vice Chairman, Hunan Provincial Highway Society, 2014 - 2024		

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Name	Yang Yiming		
Post	Associate Professor		
Academic career	Civil Engineering	Hunan Institute of Technology	2009-2013
	Civil Engineering	Changsha University of Science & Technology	2013-2016
	Civil Engineering	Changsha University of Science & Technology	2016-2020
Employment	Position	Employer	Period
	Associate Professor	Hunan City University	From 2020 to the present
Research and development projects over the last 5 years	<p>Project Name (Number), Funding Organization, Project Amount, Project Execution Time, Role (Principal Investigator or Participant)</p> <ol style="list-style-type: none"> <li>1. Probabilistic Prediction of Chloride Ion Concentration in the Interface Zone between Precast and Cast-in-place Concrete Based on Mesoscopic Simulation (52208166), National Natural Science Foundation of China, 300,000 yuan, Principal Investigator, 2022;</li> <li>2. Hunan Province Young Scientific and Technological Talents Project in 2022 (2022RC1186), Department of Science and Technology of Hunan Province, 300,000 yuan, Principal Investigator, 2022;</li> <li>3. Mesoscopic Simulation of Chloride Ion Transport and Durability Assessment in the Interface Zone of Compressed Prefabricated Concrete Structures under Dry-wet Cycling (2022JJ40024), Hunan Provincial Natural Science Foundation, 50,000 yuan, Principal Investigator, 2022;</li> <li>4. Multi-scale Evolution Mechanism and Probabilistic Prediction of Long-term Deformation of Corroded PC Box Girder in Anchorage Zone (24A0580), Key Scientific Research Project of the Education Department of Hunan Province, 80,000 yuan, Principal Investigator, 2024;</li> <li>5. 2022 Yiyang Yincheng Science and Technology Talent Support Project, Yiyang Association for Science and Technology, 100,000 yuan, Principal Investigator, 2022;</li> </ol>		
Industry collaborations over the	Course Name: "Principles of Concrete Structure Design"		

last 5 years	
Important publications over the last 5 years	<p>[1] <b>Yiming Yang</b>, Chenkun Zhou, Jianxin Peng, C.S. Cai, Huang Tang, Jianren Zhang. Hybrid model-driven and data-driven method for predicting concrete creep considering uncertainty quantification[J]. <i>Frontiers of Structural and Civil Engineering</i>, 2024, 18:1524–1539.</p> <p>[2] Jianxin Peng, Yi Liu, <b>Yiming Yang*</b>, Longzhen Xie. Fatigue behavior of RD joint in OSBD subjected to local corrosion at top plate[J]. <i>Engineering Failure Analysis</i>, 2024, 159: 108091.</p> <p>[3] <b>Yiming Yang</b>, Zhanghong Liu, Huang Tang, Jianxin Peng. Deflection-based failure probability analysis of low shrinkage-creep concrete structures in presence of non-stationary evolution of shrinkage and creep uncertainties[J]. <i>Construction and Building Materials</i>, 2023, 376: 131077. (ESI 高被引论文)</p> <p>[4] <b>Yiming Yang</b>, Jianxin Peng, C.S. Cai, Huang Tang. Probabilistic analysis of corrosion initiation in existing reinforced concrete structures with imprecise random field[J]. <i>Structures</i>, 2023, 52: 877-888.</p> <p>[5] Hai Li, <b>Yiming Yang*</b>, Xinzhong Wang, Huang Tang. Effects of the position and chloride-induced corrosion of strand on bonding behavior between the steel strand and concrete[J]. <i>Structures</i>, 2023, 58: 105500.</p> <p>[6] Jianxin Peng, Yi Liu, <b>Yiming Yang*</b>, Yadong Zhou, Longzhen Xie. Experimental and numerical research on the static behavior of locally corroded OSBD[J]. <i>Journal of Constructional Steel Research</i>, 2023, 211: 108213.</p> <p>[7] Huang Tang, <b>Yiming Yang*</b>, Hai Li, Linfa Xiao, Yaping Ge. Effects of chloride salt erosion and freeze–thaw cycle on interface shear behavior between ordinary concrete and self-compacting concrete[J]. <i>Structures</i>, 2023, 56: 104990. (ESI 高被引论文)</p> <p>[8] <b>Yiming Yang</b>, Jianxin Peng, C.S. Cai, Yadong Zhou, Lei Wang, Jianren Zhang. Time-dependent reliability assessment of aging structures considering stochastic resistance degradation process[J]. <i>Reliability Engineering &amp; System Safety</i>, 2022, 217: 108105.</p> <p>[9] <b>Yiming Yang</b>, Huang Tang, Xinzhong Wang. Failure probability analysis of corroded RC structures considering the effect of spatial variability[J]. <i>Magazine of Concrete Research</i>, 2022, 75(4): 163-175.</p> <p>[10] <b>Yiming Yang</b>, Jianxin Peng, Xinhua Liu, C.S. Cai, Jianren Zhang. Probability analysis of web cracking of corroded prestressed concrete box-girder bridges considering aleatory and epistemic uncertainties[J]. <i>Engineering Structures</i>, 2021, 228: 111486.</p> <p>[11] Jianxin Peng, <b>Yiming Yang*</b>, Hanbing Bian, Jianren Zhang, Lei Wang. Optimisation of maintenance strategy of deteriorating bridges considering sustainability criteria[J]. <i>Structure and Infrastructure Engineering</i>, 2022, 18(3): 395-411.</p>

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Name	Xiaoming		
Post	Lecturer		
Academic career	Civil Engineering major	Anhui University of Science and Technology	2005-2009
	Civil Engineering major	Hunan University	2009-2012
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2012 to the present
Research and development projects over the last 5 years	<p>[1] Research and Evaluation on the Safety of Mountainous Highways (2013xj001), Hunan City University, 3,000 yuan, from June 2013 to June 2014, Principal Investigator;</p> <p>[2] Research on the Teaching Reform of Road Survey and Design Course Oriented towards the Enhancement of Practical Ability (2014007), Hunan City University, 3,000 yuan, from May 2014 to May 2015, Principal Investigator;</p> <p>[3] Vibration Parameter Identification of High - voltage Transmission Towers Based on Stochastic Subspace (2015JZ32), Yiyang Science and Technology Bureau, 3,000 yuan, from October 2015 to October 2016, Principal Investigator;</p> <p>[4] Research on Highway Subgrade Settlement on Soft Soil Foundation (13C119), Hunan Provincial Department of Education, 10,000 yuan, from November 2013 to November 2015, the first participant;</p> <p>[5] Theoretical and Practical Research on Morality Cultivation as the Foundation of Education (2023YS161), Yiyang Federation of Social Science Circles, 5,000 yuan, project leader;</p> <p>[6] BIM Simulation Laboratory for Highway Engineering (220904718263146), Ministry of Education, 5,000 yuan, as the project leader.</p>		

Industry collaborations over the last 5 years	<p>[1] Road Survey and Design</p> <p>[2] Subgrade and Pavement Engineering</p> <p>[3] Construction Technology of Highway Engineering 《市政工程概论》</p>								
Patents and proprietary rights	<p>[1] A fastening device for highway guardrails, ZL. 2019 2 1717935.6</p> <p>[2] A towing anti - collision device applied to road construction work vehicles, ZL. 2019 2 2035641.1</p>	<p>[1] Xiao Ming</p> <p>[2] Xiao Ming</p>	<p>[1] 2020.06.23~2020.06.22</p> <p>[2] 2020.06.30~2020.06.29</p>						
Important publications over the last 5 years	<p>[1] 肖明. 桥梁风场模拟及主塔响应计算, 湖南城市学院学报 (自然科学版), 2013, 22 (6), 3-8;</p> <p>[2] 肖明. 斜拉索参数振动响应的数值分析, 湖南城市学院学报 (自然科学版), 2013, 22 (6), 3-8;</p> <p>[3] 肖明. 基于两级模糊指标的山区公路方案选择, 湖南城市学院学报 (自然科学版), 2015, 22 (6), 3-8;</p> <p>[4] 肖明. 公路桥梁施工中的造价研究, 基层建设, 2017, 22 (6), 3-8;</p> <p>[5] 肖明. 公路弯道横断面超高值的理论推导, 湖南城市学院学报 (自然科学版), 2021, 22 (6), 3-8;</p> <p>[6] Ming Xiao, Lihua Chen, Haoxiong Feng, Zhigao Peng, Qiong Long. Smart City Public Transportation Route Planning Based on Multi-objective Optimization: A Review. Archives of Computational Methods in Engineering, 2024, V(31), 6:3351-3375.</p>								
Activities in specialist bodies over the last 5 years	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Organisation</th> <th style="width: 33%;">Role</th> <th style="width: 33%;">Period</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Organisation	Role	Period			
Organisation	Role	Period							

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Name	Zeng Ge		
Post	Professor, supervisor of postgraduate students		
Academic career	Road and Bridge Engineering major	Hunan Urban Construction College	1989-1992
	Civil Engineering major	Hunan University	1997-2000
	Architecture and Civil Engineering major	Huazhong University of Science and Technology	2000-2003
	Road and Railway Engineering major	Changsha University of Science & Technology	2008-2015
Employment	Assistant	Hunan Urban Construction College	1992-1998
	Lecturer	Hunan City University	1999-2003
	Associate Professor	Hunan City University	2004-2009
	Professor	Hunan City University	From 2010 to the present
Research and development projects over the last 5 years	<p>1. Research and Practice on the Innovation of the Teaching Supervision System under the Background of the New Round of Evaluation and Assessment (Project No.: HNJG - 2022 - 0981), Hunan Provincial Department of Education, 10,000 yuan, from 2022 to 2025, as the project leader</p> <p>2. Research on the Innovation of the Teaching Supervision Mechanism in Undergraduate Universities in the New Era (Project No.: DD234876), Office of the Hunan Provincial Education Planning Leading Group, 10,000 yuan, from 2023 to 2026, as the project leader</p> <p>3. Road Construction Drawing Design, Local Government, 1,000,000 yuan, from 2021 to 2024, as the project leader</p>		
Industry collaborations over the last 5 years	<p>Subgrade and Pavement Engineering;</p> <p>Basics of Innovation and Entrepreneurship</p>		
Patents and proprietary rights	Rainwater inlet structure with the function of draining internal waterlogging in road subgrades and pavements	Zeng Ge, Chen Ming	2015.4.13-2035.4.12

<p>Important publications over the last 5 years</p>	<p>[1] 曾革, 樊丽.路基病害综合防治关键技术理论与实践, 中南大学出版社, 2021.12</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="584 456 874 488">Organisation</th> <th data-bbox="874 456 1166 488">Role</th> <th data-bbox="1166 456 1465 488">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="584 584 874 719">[1]</td> <td data-bbox="874 584 1166 719">Executive Director of Hunan Provincial Highway Society, Deputy Director of the Road Engineering Professional Committee of Hunan Provincial Highway Society.</td> <td data-bbox="1166 584 1465 719">2019 - 2024.</td> </tr> </tbody> </table>	Organisation	Role	Period	[1]	Executive Director of Hunan Provincial Highway Society, Deputy Director of the Road Engineering Professional Committee of Hunan Provincial Highway Society.	2019 - 2024.
Organisation	Role	Period					
[1]	Executive Director of Hunan Provincial Highway Society, Deputy Director of the Road Engineering Professional Committee of Hunan Provincial Highway Society.	2019 - 2024.					



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Name	Wang Xinzhong		
Post	Professor, Postgraduate Supervisor		
Academic career	Construction Engineering	Zhengzhou University	1996-2000
	Civil Engineering	Chongqing Jiaotong University	2004-2007
	Civil Engineering	Changsha University of Science and Technology	2008-2018
Employment	Assistant	Hunan City University	2000-2005
	Lecturer	Hunan City University	2005-2010
	Associate Professor	Hunan City University	2010-2019
	Professor	Hunan City University	From 2020 to the present
Research and development projects over the last 5 years	<p>1. Scientific Research Project of the Hunan Provincial Department of Education, Research on the Deterioration Mechanism and Residual Bearing Capacity Prediction of Reinforced Basalt Fiber Concrete Beams Corroded by Acid Rain (22A0561), January 2023 - December 2024, 80,000 yuan, Project completed, as the project leader.</p> <p>2. Key Project of the Hunan Provincial Department of Education, Experimental Study on the Mechanical Properties of Basalt Fiber Full - recycled Concrete Beams (23A0559), January 2024 - December 2026, 80,000 yuan, participated.</p> <p>3. Regional Joint Project of the Natural Science Foundation of Hunan Province, Research on the Ultimate Bearing Capacity of Basalt Fiber Full - recycled Concrete Short Columns (2024JJ7170), January 2024 - December 2026, 50,000 yuan, participated.</p> <p>4. Project of the Natural Science Foundation of Hunan Province, Experimental Study on the Bearing Capacity of Reinforced Basalt Fiber Concrete Flexural - Compression Members (2021JJ50153), January 2021 - October 2023, 50,000 yuan, Project completed, as the project leader.</p> <p>5. Scientific Research Project of the Hunan Provincial Department of Education, Experimental Study on the Bearing Capacity of Eccentric Compression Members of Basalt Fiber Reinforced Concrete (BFRC) (18A401), January 2019 - June 2022, 50,000 yuan, Project completed, as the project leader.</p>		
Industry collaborations over the last 5 years	Bridge Engineering		

Patents and proprietary rights	A kind of basalt fiber - reinforced concrete and its preparation method: CN202310153743.1	<b>Wang Xinzhong</b> , Wei Mei, Li Linshu, et al.	2024.10.1
	A composite fiber - reinforced concrete and its preparation method: CN202310153799.7	<b>Wang Xinzhong</b> , Li Linshu, Wei Mei, etc.	2024.9.17
	High - strength basalt fiber concrete pipe pile: CN202321839609.9	<b>Wang Xinzhong</b> , Wei Mei, Li Linshu, et al.	2024.3.29
	A basalt fiber concrete mixing device: CN202321860506.0	<b>Wang Xinzhong</b> , Wei Mei, Li Linshu, et al.	2024.2.2
Important publications over the last 5 years	<p>[1] <b>Xinzhong Wang</b>, Linshu Li, Yi Xiang, Yuexing Wu, Mei Wei. The influence of basalt fiber on the mechanical performance of concrete-filled steel tube short columns under axial compression, <i>Frontiers in Materials</i> 2024, 10, 1332269.</p> <p>[2] Hai Li, Yiming Yang, <b>Xinzhong Wang</b>, Huang Tang. Effects of the position and chloride-induced corrosion of strand on bonding behavior between the steel strand and concrete, <i>Structures</i> 2023, 58, 105500.</p> <p>[3] Xuan Zhu, Le Ding, Yuexing Wu, <b>Xinzhong Wang</b>, Xianliang Tan. Effect of Brick Aggregate Content on Performance of Recycled Construction-Solid-Waste Aggregate, <i>Materials</i> 2024, 17, 2616.</p> <p>[4] Rihua Yang, Yiming Yang, Xihui Zhang, <b>Xinzhong Wang</b>. Experimental Study on Secondary Anchorage Bond Performance of Residual Stress after Corrosion Fracture at Ends of Prestressed Steel Strands, <i>Materials</i> 2023, 16, 7441.</p> <p>[5] Yuexing Wu, Yonghui Fan, Shuixing Zhou, Xinzhong Wang, Qichan Chen, Xingxi Li. Research on the cross-sectional geometric parameters and rigid skeleton length of reinforced concrete arch bridges: A case study of Yelanghu Bridge, <i>Structures</i> 2024, 69, 107423.</p> <p>[6] 王新忠, 玄武岩纤维混凝土及受压构件力学性能研究, 郑州大学出版社有限公司, 2020</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Member of the Young Experts Committee of Hunan Provincial Highway Society		

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Name	Chen Qiang		
Post	Professor, Graduate Supervisor		
Academic career	Forest Engineering major	Central South University of Forestry and Technology	1990-1994
	Civil and Architectural Engineering	Huazhong University of Science and Technology	2000-2003
Employment	Teacher	Hunan City University	From 1994 to the present
Research and development projects over the last 5 years	Research on the R & D and Working Mechanism of Bamboo - Wood Composite Columns - A Joint Fund Project of Provincial and Municipal Natural Science Foundation of Hunan Province (2021JJ50140), funded by the Department of Science and Technology of Hunan Province, with a fund of 50,000 yuan, from 2021 to 2024, as the project leader.		
Industry collaborations over the last 5 years	Introduction to Civil Engineering		
Patents and proprietary rights	An assembled bamboo - reinforced solid - wood composite hollow slab and its manufacturing method (Patent No. ZL 201710587872.6)	Chen Qiang	2017.10-2021.7
Important publications over the last 5 years	<p>[1] Qiang Chen, Lingyong Liu, Jiejun Wang. Flexural Behavior of Bamboo-reinforced Solid Timber Plate[J]. Journal of Engineering Science and technology review, 2019,12(5)</p> <p>[2] Qiang Chen, Jianke Lang, Jiejun Wang. Flexural Properties of Bamboo-Log Composite Beam[J]. Journal of Engineering Science and Technology Review,2018,11(3).</p> <p>[3] 陈强, 余方, 殷灿彬. 土木工程概论, 哈尔滨工程大学出版社, 2019.8</p> <p>[4] 陈强, 余方, 熊君, 沈博. 竹木组合结构研究与应用, 中</p>		

	南大学出版社, 2024.10		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
		Expert in the National Graduate Education Evaluation and Monitoring Expert Database.	
		Expert in the Expert Database of the National Sampling Information Platform for Undergraduate Theses (Designs).	
		Expert in the Expert Database of the Hunan Provincial Transportation Society.	
		Evaluation expert for the Natural Science Foundations of Guangdong Province and Heilongjiang Province.	
		Expert of the Yiyang Municipal Science and Technology Bureau.	
		Member of the China Ancient Architecture Association.	
		Committee member of the Hunan Provincial Archaeology and Ancient Architecture Consultation Council.	

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Name	Ding Xingyu		
Post	Professor, Graduate Supervisor		
Academic career	Highway and Urban Road Engineering	Central South University	1999-2002
	Geological Engineering	Central South University	2004-2007
	Geological Resources and Geological Engineering	Central South University	2007-2012
Employment	Position	Employer	Period
	教授	Hunan City University	From 2023 to the present
	高级工程师	Hunan City University	2019-2023
	高级工程师	Central South University	2017-2019
	高级工程师	(Postdoctoral) Yunnan Institute of Land and Resources Planning and Design	2008-2017
Research and development projects over the last 5 years	<p>1. Research on Ecological Restoration of Geotechnical Slopes in Typical Mines in Southern Hunan Region (2020JJ5015), funded by the Provincial Department of Science and Technology, with an amount of 50,000 yuan, from 2019 to 2022. As the project leader, it is a vertical project.</p> <p>2. Research on the Mechanical Properties of the Contact Surface between Rock Slope Protection Base Material and Rock Mass and the Ratio of Base Materials (2023JJ50339), funded by the Provincial Department of Science and Technology, with an amount of 50,000 yuan, from 2022 to 2025. As the project leader, it is a vertical project.</p>		
Industry collaborations over the last 5 years	<p>Introduction to Civil Engineering</p> <p>Construction Organization, Budget and Estimate of Underground Engineering</p> <p>Introduction to Environmental Science</p>		
Patents and proprietary rights	1. A Field Geological Information Acquisition System and Its Application Method (Invention Patent): ZL201810074348.3	<b>Ding Xingyu</b> , Dai Wujiao, Zhang Shaohe.	2021.11.5-2026.2.25
	2. A Matrix Material for Mine Rock Slopes and Its Preparation	<b>Ding Xingyu</b> , Hu Wenjun, Luo Jun.	2023.7.25-2026.4.23

	Method (Invention Patent): ZL202210285316.4														
Important publications over the last 5 years	<p>Selected recent publications from a total of approx.</p> <p>[1] <b>Xingyu Ding</b>, Wenjun Hu. Advancements in Geological Disaster Monitoring and Early Warning Systems: A Deep Learning and Computer Vision Approach, <i>Traitement du Signal</i>, 2023, 40(3).</p> <p>[2] <b>Xingyu Ding</b>, Wenjun Hu, Fang Liu, Xian Yang. Risk assessment of debris flow disaster in mountainous area of northern Yunnan province based on FLO-2D under the influence of extreme rainfall, <i>Frontiers in Environment Science</i>, 2023:1252206. <a href="https://doi.org/10.3389/fenvs">https://doi.org/10.3389/fenvs</a>.</p> <p>[3] <b>Xingyu Ding</b>, Wenjun Hu, Guanbing Hu. Mineral Element Identification in Remote Sensing Imagery: A Fusion Approach Using CHTucker Decomposition and RFDNet, <i>Traitement du Signal</i>, 2023, 40(4).</p> <p>[4] <b>Xingyu Ding</b>. Thermophysical Dynamics of Ore-forming Fluids in Heat Ore Deposits: Implications for Ore-formation Processes, <i>International Journal of Heat and Technology</i>, 2023, 41(4).</p> <p>[5] <b>Xingyu Ding</b>, Liangliang Jia. North-South Differences of Xuefeng Mountain Metallogenic Belt and Fluid Inclusion and Isotope Evidences of Ore-Forming Hydrothermal Solution Source, <i>International Journal of Heat and Technology</i>, 2023, 41(3)</p> <p>[6] <b>丁星妤</b>, 杨广全, 胡文君. 云南省巍山先扎村金矿床成矿规律与成矿预测研究, 中南大学出版社, 2021.3。</p>														
Activities in specialist bodies over the last 5 years	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Organisation</th> <th style="width: 33%;">Role</th> <th style="width: 33%;">Period</th> </tr> </thead> <tbody> <tr> <td colspan="3">Membership without a specific role need not be mentioned</td> </tr> <tr> <td colspan="3">1. Guest Professor, Key Laboratory of Geological Disaster Prediction, Early Warning and Ecological Protection and Restoration in Plateau and Mountainous Areas, Ministry of Natural Resources, 2023 - 2025.</td> </tr> <tr> <td colspan="3">2. Evaluation Expert of Guangdong Provincial Natural Science Foundation, 2021 - 2026.</td> </tr> </tbody> </table>			Organisation	Role	Period	Membership without a specific role need not be mentioned			1. Guest Professor, Key Laboratory of Geological Disaster Prediction, Early Warning and Ecological Protection and Restoration in Plateau and Mountainous Areas, Ministry of Natural Resources, 2023 - 2025.			2. Evaluation Expert of Guangdong Provincial Natural Science Foundation, 2021 - 2026.		
Organisation	Role	Period													
Membership without a specific role need not be mentioned															
1. Guest Professor, Key Laboratory of Geological Disaster Prediction, Early Warning and Ecological Protection and Restoration in Plateau and Mountainous Areas, Ministry of Natural Resources, 2023 - 2025.															
2. Evaluation Expert of Guangdong Provincial Natural Science Foundation, 2021 - 2026.															

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Name	Liu Jin		
Post	Professor, Graduate Supervisor		
Academic career	Civil Engineering	Changsha University of Science and Technology	2006-2010
	Architecture and Civil Engineering	Hunan University	2010-2012
	Civil Engineering	Central South University	2012-2016
Employment	Lecturer	Hunan City University	2017-2019
	Associate Professor	Hunan City University	2020-2024
	Professor	Hunan City University	From 2025 to the present
Research and development projects over the last 5 years	<p>General Project of Hunan Provincial Natural Science Foundation (2022JJ30112), funded by the Hunan Provincial Natural Science Foundation Committee, with an amount of 50,000 yuan. Duration: January 2022 - December 2024. Project leader.</p> <p>Young Scientists Fund of the National Natural Science Foundation of China (52008159), funded by the National Natural Science Foundation of China, with an amount of 240,000 yuan. Duration: January 2021 - December 2023. Project leader.</p> <p>Key Scientific Research Project of the Education Department of Hunan Province (21A0504), with an amount of 80,000 yuan. Duration: January 2022 - December 2024. Project leader.</p>		
Industry collaborations over the last 5 years	Mechanics of Materials, Basic Principles of Steel Structures, BIM Basics		
Patents and proprietary rights	/	/	/
Important publications over the last 5 years	<p>[1] <b>Liu Jing</b>, Zhang tao, Yu Wen-zhuo, Pan Zi-mao, Cao Guo-hui. Behavior of multicell concrete-filled round-ended steel tubes under bending [J]. Structures. 2024, 67: 106984.</p> <p>[2] <b>Liu Jing</b>, Lyu Fei*, Ding Fa-xing, et al. Energy dissipation of steel-concrete composite beams subjected to vertical cyclic loading [J]. Advanced Steel Construction. 2022, 18(3): 658-669.</p> <p>[3] <b>刘劲</b>, 戈娅萍, 丁乐, 孟一. 土木工程专业《BIM 基础》课程思政教学</p>		

	<p>研究[J].科教导刊, 2024, 10 : 163-165.</p> <p>[4]刘劲, 潘志成. 多腔圆端形钢管混凝土柱静力及抗震性能研究[M]. 长沙: 中南大学出版社, 202409.</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>Vice Chairman, Hunan Provincial Highway Society, 2024 - 2029</p>



## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Chen Xiangliang		
Post	Associate Professor		
Academic career	Traffic Civil Engineering	Hunan University	1993-1997
	Road and Railway Engineering	Hunan University	2004-2007
	Road and Railway Engineering	Central South University	2008-2015
Employment	Engineer	China Construction Fifth Engineering Division	1997-2004
	Associate Professor	Hunan City University	2007-
Research and development projects over the last 5 years	<p>1. In 2023, the philosophical and social science research project in Yiyang City, "Exploration of Effective Paths for Ideological and Political Education of College Students Based on the Concept of Fostering Virtue through Education", was approved as a key project (led by Teacher Ding Xingyu, with the participation of Teachers Chen Xiangliang, Mao Yu, and Liu Lingyong).</p> <p>2. In 2022, the special social science research project in Yiyang City, "Leading and Promoting the High - quality Development of Ideological and Political Construction in University Courses with the Spirit of the 20th National Congress of the Communist Party of China" (led by Teacher Ding Xingyu, with the participation of Teachers Chen Xiangliang, Mao Yu, and Liu Lingyong).</p> <p>3. In 2022, the special social science research project in Yiyang City, "Supporting the High - quality Development of Education with the Tripartite Synergy of Education, Science and Technology, and Talents" (led by Teacher Mao Yu).</p> <p>4. In 2023, the philosophical and social science research project in Yiyang City, "Research on the Satisfaction of Rural Road Supply and Its Influencing Factors in Yiyang City under the Rural Revitalization Strategy", was approved as a key project (led by Teacher Mao Yu).</p>		
Industry collaborations over the last 5 years	<p>Subgrade and Pavement Engineering</p> <p>Estimation and Budgeting of Road and Bridge Projects</p>		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1] 陈湘亮, 毛宇, 王灿辉. 土木工程专业试验检测技术课程线上线下结合教学改革[J]. 百科论坛, 2021.01: 510.</p> <p>[2] 毛宇, 陈湘亮, 刘灵勇, 熊焱. 《路基路面工程》开展课程思政教学实践的难点与关键[J]. 建筑工程技术与设计, 2021.04: 2498.</p>		

	<p>[3] 毛宇, <b>陈湘亮</b>, 刘灵勇, 熊焱.基于云班课的《路基路面工程》教学实践[J].建筑工程技术与设计, 2021.04: 2358.</p> <p>[4] 丁星妤.高校土木工程教学改革思考[J].建筑工程技术与设计,2020,5:3784.</p> <p>[5] Xingyu Ding,<b>Xiangliang Chen</b>,Yu Mao,Lingyong Liu.Discussion on the new teaching reform mode of Civil engineering Specialty based on ability cultivation[J].Advances in Higher Education, 2023,5(7):77-89.</p> <p>[6] 丁星妤, <b>陈湘亮</b>, 毛宇, 刘灵勇.新时代加强大学生思想政治教育的有效途径探析[J].教育(文摘版),2023,6:23-25.</p> <p>[7]毛宇, <b>陈湘亮</b>, 刘灵勇, 丁星妤, 熊焱.路基路面工程课程思政教学效果双维度评价体系研究[J].教育, 2023.05: 35-38.</p> <p>[8]Yu Mao,<b>Xiangliang Chen</b>,Lingyong Liu,Xingyu Ding,Yan Xiong.Excavate and Apply Ideological and Political Elements on Course of Road Subgrade and Pavemeng Engineering[J].Advances in Higher Education,2023.07:143-145.</p> <p>[9]丁星妤, <b>陈湘亮</b>, 毛宇, 刘灵勇.应用型高校土木工程专业重思政强实践人才培养体系研究[J].科教导刊,2024.8:23-25.</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 898 877 936">Organisation</th> <th data-bbox="877 898 1165 936">Role</th> <th data-bbox="1165 898 1487 936">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 936 877 1079">Expert in the Expert Think - tank of Hunan Provincial Transportation Construction Quality and Safety Society,</td> <td data-bbox="877 936 1165 1079"></td> <td data-bbox="1165 936 1487 1079">September 2023</td> </tr> </tbody> </table>	Organisation	Role	Period	Expert in the Expert Think - tank of Hunan Provincial Transportation Construction Quality and Safety Society,		September 2023
Organisation	Role	Period					
Expert in the Expert Think - tank of Hunan Provincial Transportation Construction Quality and Safety Society,		September 2023					

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Huang Guoping		
Post	Associate Professor		
Academic career	Civil Engineering major	East China Jiaotong University	2002-2006
	Bridge and Tunnel Engineering major	Southwest Jiaotong University	2008-2011
Employment	Position Associate Professor	Employer Hunan City University	Period From 2011 to the present
Research and development projects over the last 5 years	<p>[1] Research on the Longitudinal Vibration Mechanism of Suspension Bridges under Traffic Loads and Vibration Reduction of Inerter Dampers (24A0566), funded by the Education Department of Hunan Province, with a grant of 80,000 yuan. Duration: January 2025 - December 2027. Project leader.</p> <p>[2] Research on the Mechanical Properties and Reinforcement Optimization of Cracked Reinforced Concrete Simply - supported Beam Bridges (2024JJ7082), funded by the Department of Science and Technology of Hunan Province, with a grant of 50,000 yuan. Duration: January 2022 - December 2024. Currently in progress. Participant.</p> <p>[3] Research on the Deterioration Mechanism and Residual Bearing Capacity Prediction of Reinforced Basalt Fiber Reinforced Concrete Beams Corroded by Acid Rain (22A056), funded by the Education Department of Hunan Province, with a grant of 80,000 yuan. Participant.</p> <p>[4] Research on the Mechanism and Control of the Displacement at the Bridge End of Suspension Bridges under the Coupling Action of Multiple Loads (2021JJ50143), funded by the Department of Science and Technology of Hunan Province, with a grant of 50,000 yuan. Duration: January 2021 - December 2023. Project leader.</p> <p>[5] Research on the Bearing Capacity of Reinforced Basalt Fiber Reinforced Concrete (BFRC) Flexural - Compression Members (2021JJ50153), funded by the Department of Science and Technology of Hunan Province, with a grant of 50,000 yuan. Duration: January 2021 - December 2023. Participant.</p> <p>[6] Research on the Longitudinal Movement and Restraint System of the Stiffening Girders of Suspension Bridges in Service Environments (21B0713),</p>		

	funded by the Education Department of Hunan Province, with a grant of 60,000 yuan. Duration: September 2021 - September 2023. Project leader.		
Industry collaborations over the last 5 years	Principles of Concrete Structure Design		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1] <b>Huang G</b>, Hu J, Hua X, et al. Analytic Solution to Longitudinal Deformation of Suspension Bridges under Live Loads [J]. Journal of Bridge Engineering, 2023, 28(2): 04022147.</p> <p>[2] <b>黄国平</b>, 胡建华, 万田保, 等. 竖向荷载作用下悬索桥纵向变位特征与机理 [J]. 湖南大学学报(自然科学版), 2023, 50(01): 78-89.</p> <p>[3] <b>黄国平</b>, 胡建华, 崔剑峰, 等. 基于监测数据的钢桁悬索桥梁端位移特性研究 [J]. 公路交通科技, 2022, 39(05): 65-73.</p> <p>[4] <b>黄国平</b>, 胡建华, 华旭刚*, 王连华. 移动车辆作用下大跨度悬索桥梁端纵向位移机理[J]. 振动与冲击, 2021, 40(19): 107-115.</p> <p>[5] <b>Huang G</b>, Hu J, Liu H, et al. Girder longitudinal movement and its factors of suspension bridge under vehicle load [J]. Advances in Civil Engineering, 2021, 2021: 1443996.</p> <p>[6] <b>Huang G</b>, Hu J, He Y, et al. Optimization of VEDs for Vibration Control of Transmission Line Tower [J]. Advances in Civil Engineering, 2021, 2021: 9060414.</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Yang Rihua		
Post	Associate Professor, Graduate Supervisor		
Academic career	Major in Highway and Urban Road Engineering, undergraduate level	Changsha Communications Institute	1996-1999
	Bridge and Tunnel Engineering, master's degree	Changsha University of Science and Technology	2002-2005
	Bridge and Tunnel Engineering, doctoral degree	Changsha University of Science and Technology	2008-2018
Employment	Engineer	Hunan Expressway Construction Group Co., Ltd.	2005-2008
	Engineer		
	Associate Professor	Hunan City University Hunan City University	2008-2023 From 2024 to the present
Research and development projects over the last 5 years	<p>[1] Research on the Secondary Stress Transfer, Anchorage Performance and Component Bearing Capacity of PPC Beams after the End Anchorage Failure of Prestressed Tendons (2021JJ50156), a project funded by the Natural Science Foundation of Hunan Province, with a funding of 50,000 yuan. The project duration was from January 2021 to December 2023, and it has been completed. Served as the project leader.</p> <p>[2] Research on the Secondary Transfer of Residual Stress and Anchorage Performance of Post - tensioned Concrete Components after Prestressed Tendon Anchorage Failure/Partial Fracture (19C0343), a scientific research project funded by the Education Department of Hunan Province, with a funding of 10,000 yuan. The project duration was from December 2019 to December 2022, and it has been completed. Served as the project leader.</p> <p>[3] Research on the Long - term Mechanical Performance of Steel - All - Light Shale Ceramsite Concrete Composite Beams under the Coupling Action of Stud Corrosion and Loads (52278174), a project funded by the National Natural Science Foundation of China, with a funding of 540,000 yuan. The project</p>		

	<p>duration is from January 2023 to December 2026, and it is in progress. Participated as a team member.</p> <p>[4] Research on the Flexural Failure Mechanism and Design Method of Steel - Ceramsite Concrete Composite Beams (2022JJ30112), a general project funded by the Natural Science Foundation of Hunan Province, with a funding of 100,000 yuan. The project duration is from January 2022 to December 2024, and it is in progress. Participated as a team member.</p>		
Industry collaborations over the last 5 years	<p>Bridge Engineering (II)</p> <p>Bridge Engineering A</p> <p>Bridge Engineering A (I)</p>		
Patents and proprietary rights	<p>Bridge Support Adjusting Device for Bridge Construction: PT_CP_ZA00007498</p> <p>FEA Finite Element Analysis System V1.0: 2023SR1362226</p> <p>Civil Engineering Design Finite Element Analysis System V1.0: 2023SR1365576</p> <p>Civil Engineering Design Scheme Analysis and Evaluation System V1.0: 2023SR1503719</p>	<p>YANG RI HUA</p> <p>Yang Rihua</p> <p>Yang Rihua</p> <p>Yang Rihua</p>	<p>2023.5.31</p> <p>2023.07.04</p> <p>2023.06.22</p> <p>2023.07.12</p>
Important publications over the last 5 years	<p>[1] <b>Yang RH</b>, Yang YM *, Liu P, Wang XZ. Experimental Study on Shear Performance of Post-Tensioning Prestressed Concrete Beams with Locally Corroded Steel Strands [J].Coatings, 2022, 12: 1356.</p> <p>[2] <b>Yang RH</b>, Yang YM *, Zhang XH, Wang XZ. Experimental Study on Performance of Local Bond-Slip Test of Steel Strand Tendons and Concrete [J].Coatings, 2022, 12: 1494.</p> <p>[3] <b>Yang RH</b>, Yang YM *, Zhang XH, Wang XZ. An Experimental Study on Secondary Transfer Performances of Prestress after Anchoring Failure of Steel Wire Strands [J].Metals,2023, 13:1489.</p> <p>[4] <b>Yang RH</b>, Yang YM *, Zhang XH, Wang XZ. Experimental Study on Secondary Anchorage Bond Performance of Residual Stress after Corrosion Fracture at Ends of Prestressed Steel Strands[J].Materials, 2023, 16, 7441.</p>		

## Example form for Staff Handbook

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Name	Li Miao		
Post	Associate Professor		
Academic career	Civil Engineering major	Hunan University	1999-2003
	Water Conservancy and Hydropower Engineering major	Kunming University of Science and Technology	2004-2007
	Civil Engineering major	Central South University	2008-2013
Employment	Lecturer	Hunan City University	2013-2021
	Associate Professor	Hunan City University	From 2021 to the present
Research and development projects over the last 5 years	<p>1. Research on Bridge Structure Damage Identification Method Based on Long-term Monitoring Data under the Influence of Ambient Temperature (2021JJ50145), funded by the Natural Science Foundation of Hunan Province, with a grant of 50,000 yuan. The project period is from 2021 to 2024. Served as the project leader.</p> <p>2. Research on Response Analysis and Damage Early - warning Method of Bridge Structures under the Influence of Ambient Temperature (19B106), a youth project of the Scientific Research Project of the Education Department of Hunan Province, with a grant of 60,000 yuan. The project period is from 2019 to 2023. Served as the project leader.</p> <p>3. Research on the Application of UROP in the Civil Engineering Major of Local Undergraduate Universities under the Background of Professional Certification (HNJG - 2020 - 0786), a teaching reform research project of ordinary higher education institutions in Hunan Province, with a grant of 20,000 yuan. The project period is from 2020 to 2023. Served as the project leader..</p>		
Industry collaborations over the last 5 years	Bridge Engineering (I), Introduction to Civil Engineering		
Patents and proprietary rights			

Important publications over the last 5 years	<p>[1] <b>Li miao</b>, Huang tianli. Structural Damage Detection based on Quadratic Correlation Function of Strain Responses. Latin American Journal of Solids and Structures, 2024, 21(1).</p> <p>[2] <b>Li miao</b>, Huang tianli, Liao jinjin, Zhong jian, Zhong jiwei. WIM-based Vehicle Load Models for Urban Highway Bridge. Latin American Journal of Solids and Structures, 2020, 17(5).</p> <p>[3] <b>李苗</b>, 穆成鹏, 童小龙. 土木工程概论, 北京理工大学, 2020</p>
Activities in specialist bodies over the last 5 years	



## Example form for Staff Handbook

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Name	Wang Canhui		
Post	Associate Professor		
Academic career	Traffic Civil Engineering	Hunan University	1993-1997
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2001-2004
Employment	Associate Professor	Hunan City University	From 1997 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Principles of Concrete Structure Design Bridge Engineering		
Patents and proprietary rights	1. A supporting device for civil construction. Patent No. ZL202020221421.8 2. An earthquake - resistant device for civil engineering. Patent No. ZL202020221349.9 3. A self - connecting anti - collision cushion for bridge piers. Patent No. ZL202020430742.9	Wang Canhui  Wang Canhui  Wang Canhui	2020.10.27  2020.10.27  2020.10.27
Important publications over the last 5 years	[1] 陈湘亮, 毛宇, 王灿辉. 土木工程专业试验检测技术课程线上线下结合教学改革[J]. 百科论坛, 2021.01: 510.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Member of Hunan Provincial Highway Society, September 2023		

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Feng Haoxiong		
Post	Associate Professor, Graduate Supervisor		
Academic career	Civil Engineering Construction major	Hunan City University	1998-2001
	Bridge and Tunnel Engineering	Chongqing Jiaotong University	2005-2008
Employment	Technician	Yunnan Road & Bridge No.3 Company	2001-2005
	Lecturer	Hunan City University	From 2008 to the present
Research and development projects over the last 5 years	Research on Shear Performance and Failure Mechanism of Concrete Beams under Complex Loading Environments (2021JJ50141), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2021 - 2024, Principal Investigator		
Industry collaborations over the last 5 years	Construction Techniques for Road and Bridge Engineering Introduction to Civil Engineering		
Patents and proprietary rights	A Non - destructive Testing System and Method for Prestressed Concrete Beams. Patent No. ZL201910421624.3	Feng Haoxiong	2022.1.5-2032.1.5
Important publications over the last 5 years	<p>[1] <b>Feng Haoxiong</b>, Yi Weijian. Experimental Study on Shear Mechanism of Prestressed Concrete T Beams. Fresenius Environmental Bulletin, 2020, 29(1).</p> <p>[2] <b>Feng Haoxiong</b>, Yi Weijian. Experimental Study on Shear Performance and Bearing Capacity of Prestressed Concrete T-Beams. DYNA Publishing Journal, 2020 95(1).</p> <p>[3] <b>冯浩雄</b>, 黄国平, 彭智高. 市政工程基础, 西北工业大学出版社, 2020.1</p>		
Activities in specialist	Organisation	Role	Period

bodies over the last 5 years

Expert in the National Evaluation and Monitoring Expert Database for Graduate Education.

Expert in the Expert Database of the National Sampling Inspection Information Platform for Undergraduate Theses (Designs).

Expert in the Hunan Provincial Expert Database for Construction Safety.

Evaluation expert for the Natural Science Foundation of Guangdong Province and Heilongjiang Province.

Expert of the Yiyang Science and Technology Bureau.

Evaluation expert for green prefabricated buildings of the Yueyang Housing and Urban - Rural Development Bureau.

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Mao Yu		
Post	Senior Engineer		
Academic career	- Transportation Engineering (Road Material Science and Engineering), postgraduate, Doctor of Philosophy	Chang'an University	2008.9-2017.6
	- Road and Railway Engineering, postgraduate, Master of Science	Chang'an University	2000.9-2003.6
	- Traffic Civil Engineering (Highway and Urban Road Engineering), undergraduate, Bachelor of Science	Chang'an University	1996.9-2000.6
Employment	Senior Engineer, Teacher	College of Civil Engineering, Hunan City University	December 2019 – Present
	Deputy General Manager, Director	Chongqing Xinlujie Technology Co., Ltd.	2014.1-2019.12
	Executive Deputy General Manager	Technology Center, China State Construction International Holdings Limited	2012.1-2013.12
	Successively served as Manager of the Technology Department, Director of the Testing Center, Director of the Technology Center, Chief Technology Officer, concurrently served as Director, Deputy General Manager	Shenzhen Luante Asphalt High - tech Co., Ltd.	2003.4-2011.12
Research and development projects over the last 5 years	<p>1. Research on the Micro - copolymerization Mechanism and Rheological Behavior of Polymer Rubber Powder Composite Modified Asphalt (2022JJ50270), funded by Hunan Provincial Department of Science and Technology, 50,000 yuan, from January 2022 to December 2024, Principal Investigator</p> <p>2. Research on the Relationship between the Micro - structural Characteristics and Rheological Properties of High - content Rubber Powder Modified Asphalt (21C0671), funded by Hunan Provincial Department of Education, 10,000 yuan, from January 2021 to December 2023, Principal Investigator</p> <p>3. Research on the Supply Satisfaction and Influencing Factors of Rural Roads in Yiyang City under the Rural Revitalization Strategy (2023YS010), a key project funded by the</p>		

	Philosophy and Social Science Research Project of Yiyang Social Science Federation, 0 yuan, from January 2023 to December 2024, Principal Investigator 4. Supporting the High - quality Development of Education with the Tri - in - one Force of Education, Science and Technology, and Talents, a special project of Yiyang Social Sciences, 0 yuan, from January 2022 to December 2022, Principal Investigator		
Industry collaborations over the last 5 years	Subgrade and Pavement Engineering Subgrade and Pavement Engineering A Subgrade and Pavement Engineering B Introduction to Municipal Engineering		
Patents and proprietary rights	A mixing device for modified asphalt production, 202221194157.9 An asphalt sampler for modified asphalt testing, 202221013864.3 A storage tank with quantitative discharging for rubber powder modified asphalt, 202221263747.2 An impact - resistant storage device for rubber powder modified asphalt, 202221298267.X A powder unpacking device for rubber - modified asphalt production, 202221610524.9	Mao Yu, Hao Rongxuan, Hao Ziyuan, Tong Tiehan Mao Yu, Hao Rongxuan, Hao Ziyuan, Tong Tiehan Mao Yu Mao Yu Mao Yu, Hao Rongxuan, Hao Ziyuan, Tong Tiehan	2022.5.18-2032.5.18  2022.4.28-2032.4.28  2022.5.25-2032.5.25  2022.5.27-2032.5.27  2022.6.23-2032.6.23
Important publications over the last 5 years	<p>[1] <b>Yu Mao</b>, Xiangliang Chen, Lingyong Liu, Xingyu Ding, Yan Xiong. Excavate and Apply Ideological and Political Elements on Course of Road Subgrade and Pavement Engineering[J].Advances in Higher Education,2023.07:143-145.</p> <p>[2] <b>毛宇</b>, 陈湘亮, 刘灵勇, 熊炎. 基于云班课的《路基路面工程》教学实践, 建筑工程技术与设计, 2021.10.2211 P404</p> <p>[3] <b>毛宇</b>, 陈湘亮, 刘灵勇, 熊炎.《路基路面工程》开展课程思政教学实践的难点与关键, 建筑工程技术与设计, 2021.11.2375 P389</p> <p>[4] <b>毛宇</b>, 陈湘亮, 刘灵勇, 丁星好, 熊焱.路基路面工程课程思政教学效果双维度评价体系研究[J].教育, 2023.05: 35-38.</p> <p>[5] <b>毛宇</b>, 丁星好,陈湘亮,等.乡村振兴战略背景下益阳市农村公路供给现状研究[J].中文科技期刊数据库(文摘版)社会科学, 2024(6):0115-0117.</p> <p>[6] <b>毛宇</b>.裂解聚合法橡胶颗粒改性沥青机理及技术性能研究, 中南大学出版社, 2022.8</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Member of Hunan Provincial Highway Society, from 2023 to the present		

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Li Hai		
Post	Senior Engineer		
Academic career	Civil Engineering	Hunan City University	2003-2007
	Geotechnical Engineering	Changsha University of Science and Technology	2007-2010
	Civil Engineering	Central South University	2012-2019
Employment	Position	Employer	Period
	Lecturer	Hunan City University	2020 - Present
Research and development projects over the last 5 years	<p>1. Research on Shear Performance and Failure Mechanism of Corroded Prestressed Concrete Beams (21B0716), funded by the Education Department of Hunan Province, 60,000 yuan, from 2021 to 2023, project leader.</p> <p>2. Research on Shear Performance and Calculation Theory of Prestressed Concrete Beams with Reinforcement Corrosion Damage (2022JJ50267), funded by the Natural Science Foundation of Hunan Province, 50,000 yuan, project leader. The project was approved in June 2022 and is scheduled to be completed in 2024.</p>		
Industry collaborations over the last 5 years	Course names: "Basic Principles of Steel Structures", "Bridge Engineering (Part 1)", "Introduction to Environmental Science"		
Patents and proprietary rights	Experimental Device under Coupling Action of Corrosion and Load: 2024/01456	Li Hai, Li Chunhua	2024.9.25
Important publications over the last 5 years	<p>[1] Li H , Yang YM*, Li CH ,et al. A new analytical model for bond strength between corroded steel strand and concrete. Scientific Reports, 2024, 14(1).</p> <p>[2] Li H , Lu ZH*, Li CQ ,et al. Experimental study on flexural behavior of corroded post-tensioned T- shaped beam[J]. Structures, 2024, 68.</p>		

	<p>[3] <b>Li H</b>, Pan ZZ*, Yang YM*, et al. Predicting Residual Flexural Strength of Corroded Prestressed Concrete Beams: Comparison of Chinese Code, Eurocode and ACI Standard. Buildings, 2024, 14(7).</p> <p>[4] <b>Li H</b>, Yang YM*, Wang XZ, Tang H. Effects of the position and chloride-induced corrosion of strand on bonding behavior between the steel strand and concrete. Structures, 2023, 58: 105500.</p> <p>[5] <b>Li H</b>, Qiu, YG*, Pan, ZZ*, et al. Experimental Study on the Flexural Performance of the Corrosion-Affected Simply Supported Prestressed Concrete Box Girder in a High-Speed Railway [J]. Buildings, 2024, 14(10): 3322.</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="572 1021 850 1055">Organisation</th> <th data-bbox="850 1021 1150 1055">Role</th> <th data-bbox="1150 1021 1453 1055">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="572 1111 850 1144">None</td> <td></td> <td></td> </tr> </tbody> </table>	Organisation	Role	Period	None		
Organisation	Role	Period					
None							

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Xiong Yan		
Post	Senior Engineer		
Academic career	Civil Engineering	Suzhou Institute of Urban Construction and Environmental Protection	1991-1995
Employment	Position Senior Engineer	Employer Hunan City University	Period From 1993 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Subgrade and Pavement Engineering		
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period



## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhou Yanqun		
Post	Lecturer		
Academic career	Major in Traffic Civil Engineering (Bachelor's degree)	Hunan University of Science and Technology	1998-2002
	Major in Bridge and Tunnel Engineering (Master's degree)	Changsha University of Science and Technology	2003-2006
	Major in Civil Engineering (Doctor's degree)	Central South University	2009-2014-
Employment	Lecturer	Hohhot Vocational College	2006-2009
	Lecturer	Hunan City University	From 2015 to the present
Research and development projects over the last 5 years	<p>1. High-precision Nonlinear Finite Element Analysis Method for Overheight Vehicles Impacting Overhead Bridges (Research project at department and bureau level, in charge, 10,000 yuan, 2016 - 2019)</p> <p>2. Nonlinear Finite Element Analysis Method for the Mechanical Properties of Partially Filled Circular Concrete - Filled Steel Tubular Bridge Piers with Ribs (Research project at department and bureau level, in charge, 15,000 yuan, 2021 - 2024)</p>		
Industry collaborations over the last 5 years	Bridge Engineering (I), Bridge Engineering (II), Bridge Wind and Earthquake Resistance, Introduction to Earthquake Engineering, Introduction to Civil Engineering		
Patents and proprietary rights	A kind of shock - absorbing and energy - dissipating prefabricated rocking bridge pier component (ZL 2022 2 0742773.7)	Zhou Yanqun, Huang Guoping, Li Miao, Yang Rihua	2022.07
Important publications over the last 5 years	1、 <b>Yanqun ZHOU</b> . Experiment on Seismic Behavior of Neotype Column-slab High Piers . Journal of Physics: Conference Series		

	<p>2020,24(3)</p> <p>2、周雁群、李苗. 往复荷载下钢筋混凝土柱滞回性能的数值模拟. 科技信息.2020,12(2)</p> <p>3、Wenyu xu <b>Yanqun Zhou</b> . Calculation of bridge seismic dynamic reliability based on seismic vulnerability. WOP in Engineering and Science Research.2022,通讯作者 (ISTP)</p>
<p>Activities in specialist bodies over the last 5 years</p>	

## Example form for Staff Handbook

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Name	Zhou shuming		
Post	associate professor		
Academic career	Civil engineering	Hunan University of Technology	2000-2004
	Civil engineering	changsha university of science and technology	2010-2013
	Civil engineering	Ichangsha university of science and technology	2014-2023
Employment	associate professor	hunan city university	From 2004 to the present
Research and development projects over the last 5 years	<p>Research on the Mechanical Properties and Reinforcement Optimization of Cracked Reinforced Concrete Simply Supported Beam Bridges "(2024JJ7082), Natural Science Foundation of Hunan Province, 50000 yuan, In research, hosting</p> <p>Research and Practice on Teaching Reform of BIM+VR Bridge Engineering Course (HNJG-2020-0790), The Education Department of Hunan Province, 10000 yuan, In research, hosting</p>		
Industry collaborations over the last 5 years	hydrology of bridge and culvert		
Patents and proprietary rights	National level invention patent, Concrete micro-crack sealing material, preparation method and application thereof (Patent number 02074, 2022)	Zhou shuming	2022.04.15-2032.04.15
Important publications over the last 5 years	<p><b>1、Interpretable Capacity Prediction of RC Bridges Based on Genetic Algorithm-enhanced Support Vector Machine Learning, KSCE Journal of Civil Engineering, 202408, 第一作者 (SCI 收录 三区) ;</b></p>		



## Example form for Staff Handbook

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Name	Ding Le		
Post	Lecturer		
Academic career	Undergraduate: Traffic Engineering	Hebei University of Engineering	2006-2010
	Master: Transportation Engineering	Beijing Jiaotong University	2010-2012
	Doctor: Road and Railway Engineering	Changsha University of Science and Technology	21018-2022
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2013 to the present
Research and development projects over the last 5 years	<p>National Natural Science Foundation of China, National Major Scientific Research Instrument Development Project, 51927814, In - situ Test System for Dynamic Resilient Modulus of Subgrade, from January 1, 2020 to December 31, 2024, 7.6605 million yuan, in progress, participated</p> <p>Department of Science and Technology of Hunan Province, Key Research and Development Program of Hunan Province, 2022SK2083, Research on the Performance Evolution and Environmental Impact of Subgrade Made of Recycled Construction Waste Materials Considering Particle Crushing and Component Variation, from January 2022 to December 2024, 0.25 million yuan, in progress, participated</p>		
Industry collaborations over the last 5 years	Mathematical Modeling, BIM Basics, Introduction to Municipal Engineering		
Patents and proprietary rights	A road crack repair and cleaning machine, ZL201810633816.6	Ding Le, Tang Zhaohong	2021-03-30-2041-03-30

<p>Important publications over the last 5 years</p>	<p>[1] <b>Le Ding</b>; Junhui Zhang; Chao Zhou; Shanpeng Han; Qianhui Du ; Particle breakage investigation of construction waste recycled aggregates in subgrade application scenario, Powder echnology, 2022, 404: 117448</p> <p>[2] <b>Le Ding</b>; Junhui Zhang; Zonghuang Deng; Effect of bound water on mechanical properties of typical subgrade soils in southern China, Geomechanics and Engineering, 2021, 27(6): 573-582</p> <p>[3] <b>Le Ding</b>; Junhui Zhang; Bowen Feng; Cheng Li; Performance Evaluation of Recycled Asphalt Mixtures Containing Construction and Demolition Waste Applicated as Pavement Base, Advances in Civil Engineering, 2020, 2020: 8875402</p> <p>[4] Junhui Zhang; <b>Le Ding</b>; Feng Li; Junhui Peng ; Recycled Aggregates from Construction and Demolition Wastes as Alternative Filling Materials for Highway Subgrades in China, Journal of Cleaner Production, 2020, 255: 120223</p> <p>[5] Junhui Zhang; <b>Le Ding</b>; Jianlong Zheng; Fan Gu ; Deterioration mechanism and rapid detection of performances of an existing subgrade in southern China, Journal of Central South University, 2020, 27(7): 2134-2147</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="584 1317 879 1346">Organisation</th> <th data-bbox="879 1317 1174 1346">Role</th> <th data-bbox="1174 1317 1372 1346">Period</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhu Xuan		
Post	Lecturer		
Academic career	Civil Engineering major	Hunan City University	2012-2016
	Architecture and Civil Engineering	Guangzhou University	2016-2019
	Road and Railway Engineering	Changsha University of Science and Technology	2019-2023
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2023 to the present
Research and development projects over the last 5 years	<p>[1] Youth Project of Hunan Provincial Natural Science Foundation, 2024JJ6111, Evaluation and Characterization of Skeleton Structure during the Compaction Process of Asphalt Mixture and Its Formation Mechanism, January 2024 - January 2026.</p> <p>[2] Excellent Youth Fund Project of the Education Department of Hunan Province, 23B0749, Research on the Meso - structural State Evolution Mechanism during the Deterioration Process of Asphalt Mixture, November 2023 - November 2025.</p> <p>[3] Open Fund Project of the National Engineering Research Center for Highway Maintenance Technology, kfj230204, Research on the Rheological Mechanics Model during the Compaction Process of Asphalt Mixture, December 2023 - December 2025.</p> <p>[4] Key Scientific Research Innovation Project for Postgraduates in Hunan Province, CX20200812, Research on the Aggregate Migration and Force - chain Evolution Law of Asphalt Mixture under Damage State, June 2020 - June 2023.</p>		
Industry collaborations over the last 5 years	Road Survey and Design		
Patents and proprietary rights	[1] A drum - type transverse thermoelectric device and its manufacturing method [P]. Hunan Province:	Zhou Hongyu, Qian Guoping, Yu Huanan, Gong Xiangbing, Li Xi, Cai Jun, Zhu Xuan	Year 2013.10.23-2033.7.8

	<p>CN111446356B, 2022 - 07 - 19.</p> <p>[2].A self - powered street lamp pole [P]. Hunan Province:</p> <p>CN210511561U, 2020 - 05 - 12.</p> <p>[3] Dynamic Modulus Calculation and Evaluation System for Asphalt Mixture V1.0 (2022SR0936004). Original acquisition, all rights, 2020 - 3 - 4</p>	<p>Yu Huanan, Zhou Hongyu, Qian Guoping, Li Shunjun, Gong Xiangbing, Zhu Xuan..</p> <p>Qian Guoping, Zhu Xuan, Zhou Hongyu, Yu Huanan, Gong Xiangbing, Li Xi, Cai Jun.</p>													
<p>Important publications over the last 5 years</p>	<ol style="list-style-type: none"> <li>1. [1] <b>Xuan Zhu</b>, Guoping Qian, Huanan Yu, Ding Yao, Changyun Shi, Chao Zhang. Evaluation of coarse aggregate movement and contact unbalanced force during asphalt mixture compaction process based on discrete element method, Construction and Building Materials, Volume 328, 2022, 127004. DOI : <a href="https://doi.org/10.1016/j.conbuildmat.2022.127004">https://doi.org/10.1016/j.conbuildmat.2022.127004</a> (SCI, IF=7.4, JCR 1 ☒)</li> <li>2. [2] <b>Xuan Zhu</b>, Le Ding, Yuexing Wu, Xinzhong Wang, Xianliang Tan. Effect of Brick Aggregate Content on Performance of Recycled Construction-Solid-Waste Aggregate, Materials, 2024, 17, 2616. DOI : <a href="https://doi.org/10.3390/ma17112616">https://doi.org/10.3390/ma17112616</a>(SCI, IF=3.1, JCR 2 ☒)</li> <li>3. [3] <b>Xuan Zhu</b>, Huanan Yu, Guoping Qian, Ding Yao, Wan Dai, Hu Zhang, Jie Li, Huiping Zhong. Evaluation of asphalt mixture micromechanical behavior evolution in the failure process based on discrete element method, Case Studies in Construction Materials, 18, 2023, e01773. DOI: <a href="https://doi.org/10.1016/j.cscm.2022.e01773">https://doi.org/10.1016/j.cscm.2022.e01773</a> (SCI, IF=6.2, JCR 1 ☒)</li> <li>4. [4] Guoping Qian, <b>Xuan Zhu</b>, Huanan Yu, Changyun Shi, Ding Yao, The oil pollution and nitric oxide photocatalytic degradation evaluation of composite nanomaterials for asphalt pavement, Construction and Building Materials, Volume 314, Part B, 2022, 125497. DOI: <a href="https://doi.org/10.1016/j.conbuildmat.2021.125497">https://doi.org/10.1016/j.conbuildmat.2021.125497</a> (SCI, IF=7.4, JCR 1 ☒)</li> <li>5. [5] Huanan Yu, <b>Xuan Zhu</b>, Guoping Qian, Xiangbing Gong, and Xianhui Nie, Evaluation of phosphorus slag (PS) content and particle size on the performance modification effect of asphalt. Construction and Building Materials, 2020. 256: 119334. DOI: <a href="https://doi.org/10.1016/j.conbuildmat.2020.119334">https://doi.org/10.1016/j.conbuildmat.2020.119334</a> (SCI, IF=7.4, JCR 1 ☒)</li> </ol>														
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Organisation	Role	Period													
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Evaluation Expert of the National Energy Conservation Center															
Member of the Shanghai Science and Technology Special Committee of the Jiusan Society. 2017 - 2022.															



## Example form for Staff Handbook

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Name	Liu Lingyong		
Post	Lecturer		
Academic career	Civil Engineering	Central South University of Forestry and Technology	2003-2007
	Structural Engineering	Central South University of Forestry and Technology	2007-2010
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2010 to the present
Research and development projects over the last 5 years	<p>1. In 2022, the "Golden Course" of Ideological and Political Education in Curriculum - "Budget Estimation of Road and Bridge Engineering" at Hunan City University. Hunan City University, with a fund of 30,000 yuan, from November 2022 to November 2024, as the project leader.</p> <p>2. The First Bid Section of S345 Chaling Heyu to Youxian Gaohe Highway (from the county seat to Huju section), Chaling County Transportation Construction Investment and Operation Co., Ltd., with a fund of 247,500 yuan, from May 2018 to January 2024, as the project leader.</p>		
Industry collaborations over the last 5 years	Subgrade and Pavement Engineering, Budget Estimation of Road and Bridge Engineering		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1] 刘灵勇, 丁星好, 陈湘亮, 毛宇. 道路桥梁工程概预算课程思政实践路径探究[J]. 新课程教学, 2023, 07: 185-186.</p> <p>[2] Liulingyong. Sensitivity Temperature Drift Error Compensation of Piezoelectric Ceramic Sensor based on Big Data [J] Proceedings of the Sixth International Conference on Computing Methodologies and Communication (ICCMC 2022), 2022, 03: 864-867.</p>		

	[3] Liulingyong.Design of the Bridge Health Monitoring System Based on the B/S Mode and SOA Architecture、 BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY,443/126:287-288
Activities in specialist bodies over the last 5 years	

## Example form for Staff Handbook

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Name	Zeng Xuan		
Post	Lecturer		
Academic career	Civil Engineering major	Changsha University of Science & Technology	2001-2005
	Architecture and Civil Engineering	Hunan University of Science and Technology	2012-2014
Employment	Lecturer	Hunan City University	From 2005 to the present
Research and development projects over the last 5 years	<p>Research on Shear Performance and Failure Mechanism of Concrete Beams under Complex Loading Environments (2021JJ50141), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2021 - 2024, Participant</p> <p>Research on the Theory and Practice of Fostering Virtue as the Foundation of Education (2023ys161), Yiyang Municipal Social Science Federation, 3,000 yuan, 2023 - 2024, Participant</p>		
Industry collaborations over the last 5 years	Course Name: Road Survey and Design, Construction Organization, Estimation and Budgeting of Highway Engineering		
Patents and proprietary rights			
Important publications over the last 5 years	[1] 曾晷. 公路工程概预算课程思政教学探索与实践, 建筑实践, 2023, 13 (7) .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Expert in the Expert Database of the National Sampling Inspection Information Platform for Undergraduate Theses (Designs).		

## Example form for Staff Handbook

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Name	Zhang Kai		
Post	Lecturer		
Academic career	Undergraduate in Bridge and Tunnel Engineering	Changsha Railway Institute	1994-1998
	Graduate student in Bridge and Tunnel Engineering	Central South University	2004-2007
Employment	Position	Employer	Period
	Technician Teacher	China Railway Major Bridge Engineering Group Hunan City University	1998-2004 2007-至今
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Bridge Computer Aided Design Road and Bridge Construction Technology Hydrology of Bridges and Culverts		
Patents and proprietary rights	BRIDGE BEAM BODY INSPECTION DEVICE: 2024/02840	ZHANG Kai	2024.04.12-2044.04.12
Important publications over the last 5 years	[1] 张锴. 基于 OBE 的工程施工类教学改革研究, 当代教育实践与教学研究, 2020, 12 (上), 57-59		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

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Name	Cai Jianrong		
Post	Associate Professor, Graduate Supervisor		
Academic career	Transportation Planning and Management	Changsha University of Science & Technology	2014-2019
	Transportation Engineering	Changsha University of Science & Technology	2012-2014
	Traffic Engineering	Changsha University of Science & Technology	2008-2012
Employment	Position (职务)	Employer (单位)	Period
	Associate Professor Lecturer	Hunan City University Hunan City University	From 2023 to the present 2019-2023
Research and development projects over the last 5 years	<p>1. Optimization of Variable - Lane Road Network Considering the Market Penetration Rate of Autonomous Vehicles (No.: 20A093), funded by the Provincial Department of Education, with a grant of 80,000 yuan, from January 2021 to December 2023, as the project leader.</p> <p>2. Construction Timing and Optimization Method of Variable Lanes in Urban Road Networks (No.: 2021JJ40025), funded by the Hunan Provincial Natural Science Foundation, with a grant of 50,000 yuan, from January 2021 to December 2023, as the project leader.</p> <p>3. Research on the Optimization Method of Variable Lanes in Urban Road Networks Based on the Coupling Degree Theory (No.: 52302389), funded by the National Natural Science Foundation of China, with a grant of 300,000 yuan, from January 2024 to December 2026, as the project leader.。</p>		
Industry collaborations over the last 5 years	Traffic Engineering		

Patents and proprietary rights	A Variable Lane Guidance Device: ZL2021 1 1248727.8	Cai Jianrong	2022
Important publications over the last 5 years	<p>[1] <b>Cai J R</b>, Wu J H, Li Z X, et al. Optimization of the Reversible Lane considering the Relationship between Traffic Capacity and Number of Lanes[J]. Journal of Advanced Transportation, vol. 2022, Article ID 2006978, 8 pages, 2022-04-28</p> <p>[2] <b>Cai J R</b>, Li Z X, Xiao Y H, et al. Reversible lane optimization of the urban road network considering adjustment time constraints[J]. Sustainability, 2023, 15, 1381, 11pages, 2023-01-11</p> <p>[3] Zhou Z M, Yuan J B, Zhou S M, Long Q, <b>Cai J R</b>, et al. Characteristics Analysis and Equilibrium Optimization of Mixed Traffic Flow considering Connected[J]. Journal of Advanced Transportation, vol. 2022, Article ID 3866042, 15 pages, 2022-08-12</p> <p>[4] Zhou Z M, Yuan J B, Zhou S M, Long Q, <b>Cai J R</b>, et al. Modeling and Analysis of Driving Behaviour for Heterogeneous Traffic Flow Considering Market Penetra[J]. Sustainability, 2023, 15, 2923, 21pages, 2023-02-06</p> <p>[5] <b>Cai J</b>, Liu Y, Li Z. A speed optimization model for connected and autonomous vehicles at expressway tunnel entrance under mixed traffic environment[J]. PLoS ONE, 19(12): e0314044. 2024-12-09</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Long Qiong		
Post	Professor		
Academic career	Traffic Engineering	Southwest Jiaotong University	1985-1989
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000-2004
Employment	Position	Employer	Period
	Professor	Hunan City University	From 2015 to the present
Research and development projects over the last 5 years	<p>Research on Key Technologies of the Integrated System of Urban Traffic Control and Personalized Guidance (16A037), funded by the Education Department of Hunan Province, with a fund of 40,000 yuan, from 2016 to 2020, as the project leader.</p> <p>Traffic Impact Assessment Report for Guangxing Stereoscopic Parking Lot Project, commissioned by Xiangyin County Urban Construction Investment Co., Ltd., with a fund of 50,000 yuan, in 2024, as the project leader.</p> <p>Traffic Impact Assessment for construction projects such as Taojiang County Bus Station, Taojiang County Gymnasium Renovation Project, and Wenjiadu Gas Station, commissioned by Taojiang County Urban Construction and Development Co., Ltd., with a fund of 210,000 yuan, in 2022, as the project leader.</p> <p>Construction Drawing Design for Signal and Monitoring Engineering at Three Intersections of the West Ring Road in Taojiang County, commissioned by Taojiang County Urban Construction and Development Co., Ltd., with a fund of 120,000 yuan, in 2021, as the project leader.</p>		
Industry collaborations over the last 5 years	Traffic Engineering, Graduation Project		
Patents and proprietary rights	An intelligent traffic facility: ZL2015 11020331.2	Long Qiong	2017.4.12-2037.4.12

<p>Important publications over the last 5 years</p>	<p>龙琼, 段献礼. 基于个性化设计策略的智能交通系统关键技术, 中南大学出版社, 2019.12</p>																		
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Organisation	Role	Period																	
Member of the Teaching Committee of Energy and Power Engineering, China Electric Power Education Association.		Period: 2019-2023.																	
Evaluation expert of National Energy Conservation Center																			
Member of Shanghai Science and Technology Special Committee of Jiusan Society.		Period: 2017-2022.																	
Director of Hunan Provincial Traffic Engineering Association,		2021 - 2026.																	
Committee member of the Urban Comprehensive Transportation Planning Professional Committee of Hunan Urban - Rural Planning Society,		2019 - 2024.																	



## Example form for Staff Handbook

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Name	Ge Yaping		
Post	Lecturer		
Academic career	Doctorate degree, majoring in Civil Engineering	Changsha University of Science & Technology	2015-2021
	Bachelor's degree, majoring in Civil Engineering	University of South China	2011-2015
Employment	Position	Employer (单位)	Period
	Lecturer	Hunan City University	From 2021 to the present
Research and development projects over the last 5 years	<p>Research on the Preparation and Weathering Performance of Graphene Oxide - Modified Geopolymer Concrete (21KB02), funded by Changsha University of Science and Technology with 30,000 yuan, from January 1, 2022 to December 31, 2024, as the project leader.</p> <p>Research on the Long - term Mechanical Performance of Steel - All - Light Shale Ceramsite Concrete Composite Beams under the Coupling Action of Stud Corrosion and Load (52278174), funded by the National Natural Science Foundation of China with 540,000 yuan, from January 1, 2023 to December 31, 2026, as a participant.</p>		
Industry collaborations over the last 5 years	Course names: "Principles of Concrete Structure Design", "BIM Basics"		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1] <b>Ge YP</b>, Tian X, Huang DW, Zhong QY, Yang YW, Peng H. Understanding efflorescence behavior and compressive strength evolution of metakaolin-based geopolymer under a pore structure perspective. <i>Journal of Building Engineering</i>, 2023, 66: 105828.</p> <p>[2] Yuan YP, <b>Ge YP*</b>, Yan JK, Peng H, Zhang B. Synthesis of geopolymer using glass fiber powder from retired wind blades: A new attempt to recycle solid waste in wind power industries. <i>Journal of Building Engineering</i>, 2024, 95: 110130.</p> <p>[3] Peng H, <b>Ge YP</b>, Cai C.S., Zhang YX, Liu Z. Mechanical Properties and Microstructure of Graphene Oxide Cement-Based Composites. <i>Construction and Building Materials</i>, 2019, 194: 102–109.</p> <p>[4] Peng H, Yang YW, <b>Ge YP</b>, Li YC, Shi XM. Metakaolin-Based Geopolymer</p>		

	<p>Features Different Pore Structure Characteristics from Ordinary Portland Cement Paste: A Mechanistic Study. Journal of Materials in Civil Engineering, 2022, 34(12): 04022321-1- 0402232115.</p> <p>[5] Peng H, <b>Ge YP</b>, Cai C.S, Zhang YX, Liu Z. Mechanical Properties and Microstructure of Graphene Oxide Cement-Based Composites, Construction and Building Materials, 2019,194 102–109.</p>									
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None										

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Xie Qiang		
Post	Professor		
Academic career	Mechanical Design and Automation	Tongji University	2007-2021
	Solid Mechanics	Central South University	2005-2008
Employment	Position Professor	Employer Hunan City University	Period From 2015 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Mao Guangxiang		
Post	Associate Professor		
Academic career	-Major in Industrial and Civil Building Engineering	Suzhou Institute of Urban Construction and Environmental Protection	1990-1994
	-Major in Structural Engineering	Wuhan University of Technology	2004-2007
	-Major in Bridge and Tunnel Engineering	Wuhan University of Technology	2008-2014
Employment	Position	Employer	Period
	Assistant Instructor	Hunan City University	1994-2000
	Lecturer	Hunan City University	2000-2007
	Associate Professor	Hunan City University	From 2007 to the present
Associate Dean	Hunan City University	From 2019 to the present	
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Steel Structure Design		
	Basic Principles of Steel Structure		
	Prefabricated Building		
Patents and proprietary rights	A tunnel rock drilling rig: ZL2019 1 0508066.4	Mao Guangxiang, Zhang Zaihua, Liu Yihong	2020.12.18
	An auxiliary fixing frame for tunnel ventilation device: ZL2019 1 0511491.4	Mao Guangxiang, Zhang Zaihua, Liu Yihong	2020.10.20

	<p>A lighting device with cleaning function for tunnels: ZL2019 1 0507557.7</p> <p>A tunnel construction ventilation device: ZL2019 1 0530308.X</p>	<p>Mao Guangxiang, Zhang Zaihua, Liu Yihong</p> <p>Mao Guangxiang, Zhang Zaihua, Liu Yihong</p>	<p>2021.06.22</p> <p>2020.11.20</p>
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years			

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Tan Xianliang		
Post	Professor, Postgraduate Supervisor		
Academic career	Civil Engineering (Doctoral Degree)	Wuhan University of Technology	2012-2016
Employment	Position Vice President	Employer Hunan City University	Period From 2014 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	He Ran		
Post	Associate Professor, Graduate Supervisor		
Academic career	Civil Engineering (Bachelor's degree)	Hunan City University	2001-2005
	Structural Engineering (Master's degree)	Hunan University of Science and Technology	2005-2008
	Civil Engineering (Doctor's degree)	Hunan University	2010~2019
Employment	Position	Employer	Period
	Assistant	Hunan City University	2008-2010
	Lecturer	Hunan City University	2010-2020
	Associate Professor	Hunan City University	From 2020 to the present
Research and development projects over the last 5 years	<p>Research on the Reform and Innovation of Experimental Teaching of "Civil Engineering Structure Experiment and Detection" in Application - Oriented Undergraduate Programs, an educational reform project in Hunan Province, with a funding of 10,000 yuan, from 2018 to 2021, as the project leader.</p> <p>Experimental and Evaluation of In - Plane Rigid Performance of Grouted Prefabricated Steel Truss - Concrete Composite Floor Slab (2020JJ2018), a project of the Natural Science Foundation of Hunan Province, with a funding of 50,000 yuan, from 2020 to 2023, as the project leader.</p>		
Industry collaborations over the last 5 years	<p>Basic Principles of Steel Structure; Experimental Techniques for Civil Engineering Structures; Detection Techniques for Civil Engineering Structures; Basics of Innovation and Entrepreneurship</p>		
Patents and proprietary rights	A Dynamic Characteristic Student Test System for Cantilever Steel Beams (Utility Model)	He Ran	2020.12

<p>Important publications over the last 5 years</p>	<p>[1] <b>Ran He</b>, ZhangQi Hu , ZaiHua Zhang, Rebar truss stiffened concrete composite beams with U-shaped steel girders under bending moments, <i>Journal of Engineering Science and Technology Review</i>, 2020, 13 (4) .</p> <p>[2] <b>Ran He</b>, JiXin Wang., ZhangQi Hu, Experimental Study on Flexural Behavior of Assembled U-shaped Steel–Concrete Composite Beams, <i>Journal of Engineering Science and Technology Review</i>, 2023, 16 (3).</p> <p>[3] <b>Ran He</b>, Hui Li, Jia Tang Experimental method for modal parameter identification of civil engineering structures based on improved wavelet transform , <i>Results in Engineering</i>, 2023(20).</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="587 925 874 947">Organisation</th> <th data-bbox="874 925 1177 947">Role</th> <th data-bbox="1177 925 1468 947">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="587 947 874 1079"> </td> <td data-bbox="874 947 1177 1079"> </td> <td data-bbox="1177 947 1468 1079"> </td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					



## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Meng Zhuochao		
Post	Associate Professor		
Academic career	Agricultural Architecture and Environmental Engineering	Beijing Agricultural Engineering University	1988-1992
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000-2004
Employment	Position	Employer	Period
	Associate Professor	Hunan City University	From 1992 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Member of the Teaching Committee of the Energy and Power Engineering Major of the China Electric Power Education Society. 2019 - 2023.		
	Evaluation expert of the National Energy Conservation Center		
	Member of the Shanghai Science and Technology Committee of the Jiusan Society. 2017 - 2022.		

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Liu Yihong		
Post	Associate Professor		
Academic career	Industrial and Civil Architecture	Hunan Urban Construction College	1981-1994
	Building Engineering	Central South University	1998-2000
	Architecture and Civil Engineering	Shantou University	2013-2015
Employment	Position (职务) Teacher	Employer (单位) Hunan City University	Period From 1994 to the present
Research and development projects over the last 5 years	Research on Modular Teaching Design for the Integration of Industry and Education in the Cultivation of Application - Oriented Talents Based on Lifelong Learning (XJK20ZDJD04), sponsored by the Hunan Provincial Education Science Planning Leading Group, with a funding of 50,000 yuan, from 2020 to 2024, as the project leader		
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	<p>Introduction to Earthquake Engineering</p> <p>Design of Concrete Structures</p> <p>High - rise Building Structures</p> <p>Prefabricated Buildings</p> <p>Course Design of Concrete Structure Design</p> <p>Cognitive Practice</p> <p>Production Practice</p> <p>Graduation Practice</p> <p>Graduation Project</p>		

Patents and proprietary rights			
Important publications over the last 5 years	Design of Concrete Structures, published by the Electronic Publishing House of Northwest University. As the second chief editor, the first edition was released in July 2024.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Peng Zhaohui		
Post	Associate Professor		
Academic career	Civil Engineering (Industrial and Civil Architecture)	Hunan University of Science and Technology	1990-1994
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000-2003
Employment	Teacher	Hunan Urban Construction College	1994.7-2002.2
	Teacher	Hunan City University	March 2002 - present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Principles of Concrete Structure Design Design of Concrete Structures Principles of Concrete Structure Design A Design of Concrete Structures A		
Patents and proprietary rights	A swinging gap grouting device for construction, with patent number ZL201810888749.2	Peng Zhaohui, Chen Si, Liu Yihong, Meng Zhuochao, Chen Liqun, Xie Jin	2018.8.7-2021.2.26
Important publications over the last 5 years	[1] 彭朝晖, 刘益虹、陈利群、余东 《混凝土结构设计》云教材, 西北大学电子出版社, 2024.7		
Activities in specialist bodies over the last 5 years			

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Chen Liqun		
Post	Associate Professor		
Academic career	Industrial and Civil Architecture	Hunan City University	1993-1996
	Structural Engineering	Changsha University of Science and Technology	2004-2007
Employment	Position Teacher	Employer Hunan City University	Period 1996 - present
Research and development projects over the last 5 years	None		
Industry collaborations over the last 5 years	Principles of Concrete Structure Design, Design of Concrete Structures, Engineering Structures, High - rise Building Structures		
Patents and proprietary rights	None		
Important publications over the last 5 years	[1] 彭朝晖, 刘益虹, 陈利群, 余东. 混凝土结构设计 (电子教材), 西北大学出版社, 2024.9		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	None		

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	He Dongliang		
Post	Associate Professor		
Academic career	Building Engineering major	Tianjin Chengjian University	1997-2001
	Engineering in the field of Architecture and Civil Engineering	Changsha University of Science and Technology	2012-2015
	Civil Engineering	Changsha University of Science and Technology	2015-2019
Employment	Position	Employer	Period
	Teacher	Hunan City University	2001 - present
Research and development projects over the last 5 years	<p>Empirical Research on the "1+X Certificate" Training Mode for Adult Higher Education in Civil Engineering - related Majors under the Background of "Emerging Engineering Education", funded by the Education Department of Hunan Province, with a fund of 10,000 yuan. Conducted in 2019, as the project leader.</p> <p>Construction and Empirical Research on the Performance Evaluation Index System for Online - offline Blended Teaching Based on "PDCA", funded by the Education Department of Hunan Province, with a fund of 10,000 yuan. Conducted in 2020, as the project leader.</p> <p>Operation and Performance Evaluation of the Community - integrated Medical and Elderly Care Model from the Perspective of "SGPG" Governance, funded by the Social Science Achievement Evaluation Committee of Hunan Province, with a fund of 10,000 yuan. Conducted in 2021, as the project leader.</p> <p>Research on the Mechanism and Evolution Law of Shear Resistance of Joints Reinforced by Anchor - Grouting Coupling, funded by the Department of Science and Technology of Hunan Province, with a fund of 50,000 yuan. Conducted in 2022, as the first participant.</p>		

Industry collaborations over the last 5 years	Course names: Building Architecture, Course Design of Building Architecture, Cognitive Internship, Production Internship, Graduation Internship, Graduation Project		
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Wang Jianping		
Post	Senior Engineer		
Academic career	Industrial and Civil Architecture	Hunan Urban Construction College	1990.09-1993.06
	Building Engineering	Central South University of Technology	1994.09-1997.06
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000.09-2004.05
Employment (	Position	Employer	Period
	Teacher	Hunan Urban Construction College	1993.07-2001.12
	Teacher	School of Civil Engineering, Hunan City University	2002.01-2010.06 2010.07-2012.02
	Deputy Director	Civil Engineering Testing Center, Hunan City University	2012.03-2014.01
	Deputy Chief Engineer	Department of Planning and Infrastructure, Hunan City University	2014.02-2015.12
	Deputy General Manager	Real Estate Development Co., Ltd., Hunan City University	
	Associate Dean/Deputy Director	College of Innovation and Entrepreneurship / Engineering Training Center, Hunan City University	2016.01-2017.11 2017.12-2019.08
	Deputy Division Chief	Department of Infrastructure and Logistics Management, Hunan City University	
	Teacher	School of Civil Engineering, Hunan City University	September 2019 - present
	Research and development projects over the last 5 years		



Research and development projects over the last 5 years									
Industry collaborations over the last 5 years	<p>Course names:</p> <p>"Principles of Concrete Structure Design"</p> <p>"Design of Concrete Structures"</p> <p>"Masonry Structures"</p> <p>"Principles of Steel Structure Design"</p> <p>"Design of Steel Structures"</p> <p>"Building Architecture"</p> <p>Course Design of Principles of Concrete Structure Design</p> <p>Course Design of Ribbed Beam Floor</p> <p>Course Design of Single - storey Industrial Factory Building</p> <p>Course Design of Steel Structure Design</p> <p>Course Design of Building Architecture</p> <p>Cognitive Internship</p> <p>Production Internship</p> <p>Graduation Internship</p> <p>Graduation Project</p>								
Patents and proprietary rights									
Important publications over the last 5 years									
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th data-bbox="587 1720 882 1749">Organisation</th> <th data-bbox="882 1720 1177 1749">Role</th> <th data-bbox="1177 1720 1468 1749">Period</th> </tr> </thead> <tbody> <tr> <td colspan="3" data-bbox="587 1749 1468 1886" style="height: 50px;"></td> </tr> </tbody> </table>			Organisation	Role	Period			
Organisation	Role	Period							

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Fang Liebing		
Post	Associate Professor		
Academic career	Building materials and products	Chongqing Institute of Architectural Engineering	1988-1992
	Architecture and civil engineering	Huazhong University of Science and Technology	2000-2004
Employment	Position Teacher	Employer Hunan City University	Period From 1992 to the present
Research and development projects over the last 5 years			
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Civil Engineering Materials		
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Yu Dong		
Post	Senior Engineer		
Academic career	Industrial and Civil Construction	Changsha Engineering	1987-1991
	Structural Engineering	Hunan University	2009-2017
Employment	Position	Employer	Period
	Senior Engineer	Hunan Hongyi Architectural Design Co., Ltd.	2007-2014
	Teacher	Hunan City University	From 2019 to the present
Research and development projects over the last 5 years	Research on the Shear Performance of High-strength Reinforced Concrete Variable Cross-section Beams (2021JJ50157), funded by the Science and Technology Department of Hunan Province, with a funding amount of 50,000 yuan. The research period is from January 2021 to December 2023. Served as the project leader.		
Industry collaborations over the last 5 years	Course names: Design of Concrete Structures, High - rise Building Structures, Load and Reliability Theory of Engineering Structures  Course Design, Cognitive Practice, Production Practice, Graduation Practice, Graduation Project		
Patents and proprietary rights	A beamless floor structure with a hyperbolic arch shell and its construction method. Patent No. ZL202010581207.8	Yu Dong	2021.9.30-2028.5.30
Important publications over the last 5 years	[1]余东,李井超,孟一,等.混凝土受拉边倾斜变截面梁受剪承载力数值分析[J].湖南城市学院学报(自然科学版), 2023, 32(6): 1-7.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Tang Ronghua		
Post	Senior Engineer		
Academic career	Agricultural Architecture and Environmental Engineering	Hunan Urban Construction College	1989-1992
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000-2004
Employment	Position Teacher	Employer Hunan City University	Period From 1992 to the present
Research and development projects over the last 5 years			
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Course names: Engineering Structures (including Reading Drawings with Plane Method)  Cognitive Practice  Production Practice  Graduation Practice  Graduation Project		
Patents and proprietary rights			
Important publications over the last 5 years			

Activities in specialist bodies over the last 5 years	Organisation	Role	Period
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## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Hu Tianyun		
Post	Lecturer		
Academic career	Materials Science and Engineering (Undergraduate)	Tsinghua University	1991-1996
	Materials Processing Engineering (Master's Degree)	Central South University	2005-2008
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2004 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Chen Lihua		
Post	Lecturer		
Academic career	Civil Engineering	Anhui University of Science and Technology	2005-2009
	Geotechnical Engineering	Anhui University of Science and Technology	2009-2012
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2012 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Course names: Engineering Materials, Civil Engineering Materials, Construction Principles and Methods		
Patents and proprietary rights	An Integrated Sand and Gravel Sorting and Cleaning Machine for Civil Engineering, ZL 202210500499.7	Chen Lihua, Fang Liebing, Hu Tianyun, Liu Ziyou	2022.05.09-2023.03.21
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Member of the Teaching Committee of the Energy and Power Engineering Major of the China Electric Power Education Association. 2019 - 2023.		
Evaluation Expert of the National Energy Conservation Center			
Member of the Shanghai Science and Technology Committee of the Jiusan Society. 2017 - 2022.			

## Example form for Staff Handbook

Please submit 1 page per person

Name	Li Jingchao		
Post	Lecturer		
Academic career	Civil Engineering	Hunan University	2003-2007
	Structural Engineering	Harbin Institute of Technology	2007-2009
	Civil Engineering	Hunan University	2009-2019
Employment	Position (职务) Teacher	Employer (单位) Hunan City University	Period From 2018 to the present
Research and development projects over the last 5 years	<p>Research on the Local Buckling Performance of Cellular Beams Considering the Influence of Residual Stress, funded by the Education Department of Hunan Province, with a funding amount of 10,000 yuan. Conducted in 2020, as the project leader.</p> <p>Research on the Influence of Residual Stress Distribution on the Stability Performance of Cellular Beams, funded by the Science and Technology Department of Hunan Province, with a funding amount of 50,000 yuan. Conducted in 2020, as the project leader.</p> <p>Research on the Deterioration Law and Recoverability of the Seismic Performance of Prefabricated Frame Joints with Steel Bar Eccentric Defects, funded by the Education Department of Hunan Province, with a funding amount of 10,000 yuan. Scheduled to be conducted in 2025, as the project leader.</p>		
Industry collaborations over the last 5 years	Course names: Basic Principles of Steel Structures, Steel Structure Design, Hydraulic Steel Structures, Testing Techniques for Civil Engineering Structures, Detection Techniques for Civil Engineering Structures		
Patents and proprietary rights			
Important publications over the last 5 years			
	Organisation	Role	Period



Activities in specialist bodies over the last 5 years	
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## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhang Dan		
Post	Lecturer		
Academic career	Civil Engineering major	Hebei University of Engineering	2008-2012
	Structural Engineering	Kunming University of Science and Technology	2012-2017
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2018 to the present
Research and development projects over the last 5 years	<p>(1) Preparation and Product Development of EPS Wall Materials with High Proportion of Industrial Solid Wastes (20240037), Changsha Guangsheng New Material Co., Ltd., 50,000 yuan, from June 30, 2024 to June 30, 2025, as the project leader.</p> <p>(2) Research on Seismic Performance and Design Method of Semi - rigid Steel Frames with Curved 腋撑 (it seems "腋撑" might be a misspelling or a technical term that needs more context. You can correct it for a more accurate translation. Here I keep it as it is for now) (23C0327), Education Department of Hunan Province, 10,000 yuan, from September 2023 to May 2025, as the project leader.</p> <p>(3) Practical Research on the Integration Mode of "Engineering Structure Load and Reliability Theory" (HNKCSZ - 2020 - 0505), 20,000 yuan, from July 2020 to April 2022, as the project leader.</p>		
Industry collaborations over the last 5 years	Course names: Basic Principles of Steel Structures, Steel Structure Design, Engineering Structure Load and Reliability Theory, Professional English, Cognition Practice, Production Practice, Graduation Practice, Graduation Project, etc.		
Patents and proprietary rights	Steel Structure Seismic Damage Prediction and Control Platform V1.0 (14239494)	Liu Jinjie, Zhang Dan	2014.11.20
	Steel Structure Seismic Capacity Rapid Evaluation System V1.0 (14239496)	Liu Jinjie, Zhang Dan	2014.11.20

<p>Important publications over the last 5 years</p>	<p><b>Zhang D*</b>, Zhang L, Wang X, Wang Y, Deng C. Seismic retrofit of fabricated steel exterior beam-to-column connections using knee braces [J]. Structures, 2024, 69, 167409.</p> <p>[1] <b>Zhang D*</b>, Zhang L. Failure mechanism and parameter analysis of outer sleeve joints under reciprocating load [J]. Journal of Engineering Science and Technology Review, 2021, 14 (5):8-18.</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="587 622 882 651">Organisation</th> <th data-bbox="882 622 1177 651">Role</th> <th data-bbox="1177 622 1471 651">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="587 707 882 739">None</td> <td></td> <td></td> </tr> </tbody> </table>	Organisation	Role	Period	None		
Organisation	Role	Period					
None							

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Wang Yukui		
Post	Associate Professor		
Academic career	Civil Engineering	Henan University of Urban Construction	2009-2014
	Architecture and Civil Engineering	Changsha University of Science & Technology	2014-2017
	Civil Engineering	Changsha University of Science & Technology	2017-2020
Employment	Lecturer	Hunan City University	2020-2024
	Associate Professor	Hunan City University	From 2024 to the present
Research and development projects over the last 5 years	<p>Research on Damage Mechanism and Performance - based Design Method of RC Columns under Random Variable - amplitude Loading Histories (2022JJ40023), funded by the Department of Science and Technology of Hunan Province, with a grant of 50,000 yuan. The project duration is from January 2022 to December 2023, and I served as the project leader.</p> <p>"Student - centered" Curriculum Teaching Reform and Research under the Construction of Emerging Engineering Education - Taking Introduction to Earthquake Engineering as an Example (HNJG - 2021 - 0879), funded by the Education Department of Hunan Province, with a grant of 10,000 yuan. The project duration is from January 2021 to December 2023, and I served as the project leader.</p>		
Industry collaborations over the last 5 years	<p>Engineering Structures</p> <p>Introduction to Earthquake Engineering</p> <p>Engineering Structure Load and Reliability Theory</p>		
Patents and proprietary rights			

<p>Important publications over the last 5 years</p>	<p>王玉奎,刘哲锋,张丹,等.RC 梁构件基于能量的抗震设计方法研究[J].工程力学,2023,40(11):218-226.</p> <p>刘哲锋,郑潇,王玉奎.地震作用下 RC 构件耗能能力的计算方法研究[J].工程力学,2021,38(12):125-136.</p> <p>刘哲锋,王玉奎,杨伟军,等.对称配筋钢筋混凝土构件基于耗能能力退化的损伤模型与性能标准 [J]. 建筑结构学报,2020,41(09):145-153.</p> <p><b>Wang Y, Liu Z, Yang W, et al. Damage index of reinforced concrete members based on the energy dissipation capability degradation[J]. The Structural Design of Tall and Special Buildings, 2020, 29(2): e1695.</b></p>		
<p>Activities in specialist bodies over the last 5 years</p>	<p>Organisation</p>	<p>Role</p>	<p>Period</p>

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Liu Ziyou		
Post	Professor		
Academic career	Silicate Engineering	Southwest University of Science and Technology	1988-1992
	Mechanical Engineering	Central South University	2006-2010
Employment	Position Teacher	Employer Hunan City University	Period From 1992 to the present
Research and development projects over the last 5 years			
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Civil Engineering Materials		
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Cai Jingyao		
Post	Lecturer		
Academic career	Civil Engineering	University of South China	2007-2010
	Civil Structural Engineering	University of Glamorgan	2010-2011
Employment	Position Lecturer	Employer Hunan City University	Period From 2015 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Principles of Concrete Structure Design  Professional English  Building Architecture  Introduction to Bioengineering  Cognitive Practice  Production Practice  Graduation Practice  Graduation Project		
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Meng Xintian		
Post	Professor		
Academic career	Industrial and Civil Architecture	National University of Defense Technology (formerly Changsha Engineering	1987-1991
	Architecture and Civil Engineering	Huazhong University of Science and Technology	2000-2003
Employment	Position Professor	Employer Hunan City University	Period From 2003 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period



## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Tang Jia		
Post	Associate Professor		
Academic career	Hydraulic and Hydroelectric Architectural Engineering Engineering in the Field of Project Management	Hohai University Central South University	1998-2002 2007-2011
Employment	Position Assistant Engineer Teacher	Employer China Hydropower 8th Engineering Bureau Hunan City University	Period 2010-2002-2003 From 2004 to the present
Research and development projects over the last 5 years			
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Construction Principles and Methods Construction of Building Engineering Course Design of Construction Organization Design Course Design of Budgeting and Estimation Cognitive Internship Production Internship Graduation Internship Graduation Project		
Patents and proprietary rights			

Important publications over the last 5 years	<p>[1] 唐霞, 毛广湘. 土木工程专业毕业要求达成评价体系构建与实践[J]. 湖南科技学院学报, 2023, 44 (03): 97-101.</p> <p>[2] 唐霞, 陈利群. “混凝土结构设计”课程目标达成评价与持续改进[J]. 湖南工业职业技术学院学报, 2023, 23 (02): 122-127.</p>						
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th data-bbox="587 445 874 472">Organisation</th> <th data-bbox="874 445 1161 472">Role</th> <th data-bbox="1161 445 1471 472">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="587 472 874 609"> </td> <td data-bbox="874 472 1161 609"> </td> <td data-bbox="1161 472 1471 609"> </td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					

## Example form for Staff Handbook

Please submit 1 page per person

Name	Xie Jin		
Post	Lecturer		
Academic career	Civil Engineering	Hunan City University	2004-2009
	Civil Engineering	Central South University	2009-2012
Employment	Position	Employer	Period
	Lecturer	Hunan City University	From 2012 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Building Architecture, Budgeting and Estimation of Construction Engineering, Construction and Measurement of Construction Engineering, Masonry Structure and Related Course Designs, Internships, Graduation Projects		
Patents and proprietary rights	A method applicable to underground storey - adding of brick - concrete structure buildings	Xie Jin	2020.7.10-至今
	A kind of building guardrail for civil engineering	Xie Jin	2020.7.31-至今
	An energy - saving and heat - insulating wall for prefabricated buildings and its manufacturing and assembly method	Xie Jin	2022.4.22-至今
	A forming device for architecture and civil engineering	Xie Jin, Xie Zhiyun	2024.6.25-至今
	A template support device for the reconstruction of building construction structures	Xie Jin	2024.6.4-至今
Important publications over the last 5 years	[1] 谢金,杨伟军.纳米 SiO <sub>2</sub> /玄武岩纤维增强环氧树脂复合材料的制备和耐久性能研究[J].功能材料,2021,52(05):5176-5180.		

	<p>[2] 谢金,杨伟军.碳纤维增强水泥基复合材料的制备及热电性能研究[J].功能材料,2020,51(04):4148-4152+4159.</p> <p>[3] 谢金.土木工程概预算[M].西安:西北工业大学出版社,2017</p>									
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 409 874 448">Organisation</th> <th data-bbox="874 409 1145 448">Role</th> <th data-bbox="1145 409 1487 448">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 448 874 582">1.</td> <td data-bbox="874 448 1145 582">Expert for bid evaluation in government procurement of Hunan Province,</td> <td data-bbox="1145 448 1487 582">from 2021 to present.</td> </tr> <tr> <td data-bbox="579 582 874 687">2.</td> <td data-bbox="874 582 1145 687">Expert for bid evaluation in the comprehensive bid evaluation database of Hunan Province,</td> <td data-bbox="1145 582 1487 687">from 2022 to present.</td> </tr> </tbody> </table>	Organisation	Role	Period	1.	Expert for bid evaluation in government procurement of Hunan Province,	from 2021 to present.	2.	Expert for bid evaluation in the comprehensive bid evaluation database of Hunan Province,	from 2022 to present.
Organisation	Role	Period								
1.	Expert for bid evaluation in government procurement of Hunan Province,	from 2021 to present.								
2.	Expert for bid evaluation in the comprehensive bid evaluation database of Hunan Province,	from 2022 to present.								

## Example form for Staff Handbook

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Name	Yin Quan		
Post	Lecturer		
Academic career	Geological Engineering	Central South University	2003-2007
	Geological Engineering	Central South University	2008-2011
	Civil Engineering	Central South University	2011-2018
Employment	Position Lecturer	Employer Hunan City University	Period From 2018 to the present
Research and development projects over the last 5 years	<p>Funded project by the China Scholarship Council (NO. 202308430166), Ministry of Education, 2023, participated;</p> <p>Research on the High - quality Development of Small Towns in Yiyang under the Background of Rural Revitalization (2023YS020), Yiyang Social Sciences Federation, 2023, presided over;</p> <p>Unite Thoughts and Actions with the 20th National Congress of the CPC - Guiding the Teaching of High - efficiency Ideological and Political Courses with the Spirit of the 20th National Congress, Yiyang Social Sciences Federation, 2022, presided over;</p> <p>Research on the Long - term Anchorage Weakening Mechanism of Bolts in Saturated Argillaceous Slate (2022JJ50281), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2022, presided over;</p> <p>Research on the Action Mechanism and Calculation Method of the Frame Beam - pile - anchor Support Structure for Deep Foundation Pits (21C0677), Hunan Provincial Department of Education, 10,000 yuan, 2021, presided over.</p>		
Industry collaborations over the last 5 years	Course names: "Deep Foundation Pits and Slopes", "Soil Mechanics and Foundation Engineering", "Civil Engineering Geology"		

Patents and proprietary rights			
Important publications over the last 5 years	<p>[1]周怡,彭振斌,尹泉,等.板岩质砂土-混凝土界面剪切特性研究[J].中南大学学报(自然科学版),2019,50(09):2233-2241.</p> <p>[2] <b>Yin Q</b>, Fu H L. Analysis of foundation pit excavation deformation and parameter influence of pile-anchor-ribbed-beam support system[J]. Applied Sciences, 2023, 13(4): 2379.</p> <p>[3] <b>Yin Q</b>, Fu H, Zhou Y. Spatial Deformation Calculation and Parameter Analysis of Pile–Anchor Retaining Structure[J]. Applied Sciences, 2023, 13(11): 6637.</p> <p>[4] <b>Yin Q</b>, Zhou J, Zhou Y, et al. Construction safety risk assessment method of construction engineering based on improved SVM[J]. International Journal of Sustainable Development, 2023, 26(3-4): 329-343.</p> <p>[5] <b>Yin Q</b>, Xin T, Zhenggang H, et al. Measurement and analysis of deformation of underlying tunnel induced by foundation pit excavation[J]. Advances in Civil Engineering, 2023, 2023(1): 8897139.</p> <p>[6]尹泉,周怡,饶军应.基于深度学习的盾构隧道施工地表沉降预测方法[J].中南大学学报(自然科学版),2024,55(02):607-617.</p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

# Example form for Staff Handbook

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Name	Tang Huang		
Post	Associate Professor, Postgraduate Supervisor		
Academic career	Civil Engineering major	Hunan City University	2007-2011
	Civil Engineering major	Changsha University of Science and Technology	2011-2017
Employment	Lecturer	Hunan City University	2017-2020
	Associate Professor	Hunan City University	From 2020 to the present
Research and development projects over the last 5 years	<p>[1] Interface Bond Degradation Behavior and Deformation Calculation Method of CFRP - Strengthened Corroded RC Beams under Fatigue Loads, National Natural Science Foundation Project, National Natural Science Foundation of China, 300,000 yuan, 2022 - 2024, Principal Investigator</p> <p>[2] Probabilistic Prediction Method for Fatigue Life of CFRP - Strengthened Corroded RC Beams Based on the Development of Steel Bar Bond - Slip, Hunan Provincial Natural Science Foundation Project, Department of Science and Technology of Hunan Province, 50,000 yuan, 2023 - 2025, Principal Investigator</p> <p>[3] Research on Long - term Deformation Performance of Basalt Fiber Reinforced Composite Material - Strengthened Corroded Reinforced Concrete Beams, Hunan Provincial Natural Science Foundation Project, Department of Science and Technology of Hunan Province, 50,000 yuan, 2023 - 2025, Principal Investigator</p>		
Industry collaborations over the last 5 years	Principles of Concrete Structure Design, Professional English		
Patents and proprietary rights	<p>[1] Tang Huang, Peng Jianxin, Zhang Jianren, et al. Mechanical Behavior of Corroded Concrete Bridge Structures Strengthened with Steel Plates. People's Communications Press Co., Ltd., July 2022.</p> <p>[2] Zhang Jianren, Peng Jianxin, Tang Huang, Li Ju, Hu Shouwang, Xia Wei. Experimental Device and Method for Determining the Chloride Ion Diffusion Mechanism of Prestressed Concrete under the Influence of Multiple Factors. Oct. 23, 2013 - Jul. 8, 2033, China, CN201310284660.2</p> <p>[3] Peng Jianxin, Tang Huang. Software for Calculating Short - term Deformation of Corroded and Strengthened RC Beams (2015SR008633)</p> <p>[4] Peng Jianxin, Yang Yiming, Tang Huang. Random Failure Probability Model for the Service of Reinforced Concrete Beam Bridges in Chloride - salt Environments Considering Spatial Variability (2015SR084653)</p>		

Important publications over the last 5 years

- [1] **Tang Huang**, Yiming Yang, Hai Li et al. Effects of Chloride Salt Erosion and Freeze-Thaw Cycle on Interface Shear Behavior between Ordinary Concrete and Self-Compacting Concrete, Structures, 2023, 56, 104990.
- [2] **Tang Huang**, Peng Jianxin and Zhang Jianren. Influence of Further Corrosion on Structural Behavior of Corroded Reinforced-Concrete Beam Strengthened with Steel Plate Using Different Strengthening Schemes. Journal of Performance of Constructed Facilities, 2020, 34(2).
- [3] **Tang Huang**, Peng Jianxin, Cai C S, et al. Test, 3D Scanning and FE Study on Flexural Behavior of Q550E HPS Beams Subjected to Local Corrosion at Mid-span Region. International Journal of Steel Structures, 2022, 22, 1452–1473.
- [4] **Tang Huang**, Peng Jianxin, Yiming Yang, et al. Interface Shear Strength between SCC and Carbonated Concrete Considering Different Influence Parameters, Magazine of Concrete Research, 2023, 75(8), 417-432.
- [5] 唐皇, 彭建新, 王晗, 张建仁.考虑粘结应力传递的抗弯加固锈蚀 RC 梁变形计算方法. 土木与环境工程学报(中英文), 2022, 44(1), 94-104.
- [6] 唐皇, 彭建新, 王晗.不同钢板加固方式对锈蚀钢筋混凝土梁承载性能的影响.土木与环境工程学报(中英文), 2020, 42(06):103-111.
- [7] **Tang Huang**, Yiming Yang, Peng Jianxin, et al. Test And Mesoscopic Analysis of Chloride Ion Diffusion of High-Performance-Concrete with Fly Ash and Silica Fume. Coating, 2022, 12, 1095.
- [8] Yang Yiming, **Tang Huang (Corresponding author)**. Failure Probability Analysis of Corroded Concrete Structures Considering the Effect of Corrosion Unbalanced and Spatial Variability, Magazine of Concrete Research, 2023, 75(4), 163-175.
- [9] **Tang Huang**, Peng Jianxin, Cai C S, et al. Test, 3D Scanning and FE Study on Flexural Behavior of Q550E HPS Beams Subjected to Local Corrosion at Mid-span Region [J]. International Journal of Steel Structures, 2022.
- [10] Peng Jianxin, Tang Huang (Corresponding author), Xiao Linfa, et al. Chloride Diffusion and Time to Corrosion Initiation of Reinforced Concrete Structures, Magazine of Concrete Research, 2021, 73(15), 757-770.



	[11] 唐皇, 彭建新, 张建仁等. 钢板加固锈蚀混凝土桥梁结构力学行为, 人民交通出版社有限公司, 2022.07
Activities in specialist bodies over the last 5 years	Expert of the Comprehensive Bid Evaluation in Hunan Province, from 2022 to the present.

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Peng Xirong		
Post	Professor, Graduate Supervisor		
Academic career	Railway Engineering major	Northern Jiaotong University	1991,9-1995,7
	Structural Engineering major	Northern Jiaotong University	1999,7-2002,3
	Mechanical Design and Theory major	Beijing University of Technology	2002,3-2005,1
Employment	Assistant Engineer	Bridge Science Research Institute of Major Bridge Engineering Bureau	1995,7-1999,9
	Senior R & D Engineer	Altair Engineering, Inc. (USA)	2005,1-2006,1
	Postdoctoral Fellow	Tsinghua University	2006,1-2008,1
	Associate Professor	Shenzhen Graduate School of Harbin Institute of Technology	2008,1-2011,5
	Senior Engineer	Guangdong Hualu Transportation Technology Co., Ltd.	2011,5-2014,7
	Professor	Hunan City University	July 2014 - Present
Research and development projects over the last 5 years	<p>[1] Damage - safety Optimal Design of Steel Braces in Frame Structures under Severe Earthquakes (No. 21A0507), Hunan Provincial Department of Education, 80,000 yuan, 2021 - 2024, Principal Investigator</p> <p>[2] Theory of Damage - safety Topological Optimal Design of Lateral Bracing Structures in RC Frames under Severe Earthquakes (No. 2022JJ30113), 50,000 yuan, 2022 - 2024, Principal Investigator</p>		
Industry collaborations over the last 5 years	Railway Engineering, Structural Mechanics (1), Mathematical Modeling, Introduction to Earthquake Engineering		
Patents and proprietary rights	None		

<p>Important publications over the last 5 years</p>	<p>[1] 彭细荣,隋允康,叶红玲,等.K-S 函数集成局部性能约束的结构拓扑优化二阶逼近解法[J].固体力学学报,2022,43(03):307-317.</p> <p>[2] 彭细荣,隋允康,叶红玲,等.比较基于化整交融应力拓扑优化诸解法的效果[J].力学学报,2022,54(02):459-470.</p> <p>[3] 彭细荣,隋允康.化可分离凸规划为对偶规划显式模型的普适解法研究比较[J].力学学报,2023,55(10):2417-2426.</p> <p>[4] 彭细荣,隋允康,郑勇刚.节点拓扑变量非耦合映射的 ICM 方法[J].力学学报,2024,56(08):2468-2481.</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>None.</p>

## Example form for Staff Handbook

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Name	Tan Dexi		
Post	Senior Engineer		
Academic career	Railway Engineering major	Southwest Jiaotong University	1985-1989
Employment	Senior Engineer	China Railway No.5 Engineering Group Co., Ltd.	1989-2003
	Senior Engineer		Hunan City University
Research and development projects over the last 5 years	None		
Industry collaborations over the last 5 years	Track engineering, urban rail transit network planning and line design, road and railway engineering construction technology		
Patents and proprietary rights	None		
Important publications over the last 5 years	None		
Activities in specialist bodies over the last 5 years	Expert for Comprehensive Bid Evaluation in Hunan Province, 2019 - 2023		

## Example form for Staff Handbook

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Name	Zheng Liangfei		
Post	Senior Engineer, Lecturer		
Academic career	Major in Road and Railway Engineering	Xi'an Highway University	1994-1998
	Major in Road and Railway Engineering	Chang'an University	2000-2008
Employment	Senior Engineer	Yueyang Highway Bureau	2009-2016
	Senior Engineer and Lecturer	Hunan City University	From 2019 to the present
Research and development projects over the last 5 years	[1] Research on Variable Speed Limit Control Strategy for Large Highway Bridges Facing Safety Risks, a project of the Natural Science Foundation of Hunan Province, funded by the Department of Science and Technology of Hunan Province, with a fund of 50,000 yuan, from 2022 to 2024, as the project leader.		
Industry collaborations over the last 5 years	Railway subgrade, literature retrieval		
Patents and proprietary rights	<p>[1] Zheng Liangfei, Liu Lan. A bridge reinforcement bracket, ZL 202010535087.8, invention patent, authorization date: September 17, 2021.</p> <p>[2] Zheng Liangfei, Liu Lan. An anti - seismic support for bridge reinforcement, ZL202010535897.3, invention patent, authorization date: September 17, 2021.</p> <p>[3] Zheng Liangfei, Liu Lan. A reinforcement pile for building bridges, ZL202010535127.9, invention patent, authorization date: July 16, 2021.</p> <p>[4] Zheng Liangfei, Liu Lan. A beam - transporting flat car for steel truss girder bridges, ZL202010503015.5, invention patent, authorization date: May 25, 2021.</p> <p>[5] Liu Lan, Zheng Liangfei. A bridge deck crack repair device for bridge reinforcement, invention patent, authorized, August 28, 2020, China, ZL 2020 10535865.3. First inventor.</p>		

	<p>[6] Liu Lan, Zheng Liangfei. An automatic shotcreting device for bridge construction, invention patent, authorized, September 11, 2021, China, CZL 2020 10535075.5. First inventor.</p> <p>[7] Liu Lan, Zheng Liangfei. A steel bar cutting device for bridge construction, invention patent, authorized, September 8, 2020, China, ZL 2020 10503090.1. First inventor.</p> <p>[8] Liu Lan, Zheng Liangfei. A steel bar cutting device convenient for construction projects, invention patent, authorized, September 8, 2020, China, ZL 2020 10503013.6. First inventor.</p> <p>[9] Liu Lan, Zheng Liangfei. A bridge reinforcement device for municipal bridge projects, invention patent, authorized, August 28, 2020, China, ZL 20201 0503017.4. First inventor.</p>
<p>Important publications over the last 5 years</p>	<p>[1] <b>ZHENG, Liang fei</b>, and Lan LIU. 2024. “Dynamical Virtual-Fenced Warning Technology to Prevent Bridge Pier from Collision With Ships”. Journal of Advances in Mathematics and Computer Science39 (10):1-10. <a href="https://doi.org/10.9734/jamcs/2024/v39i101930">https://doi.org/10.9734/jamcs/2024/v39i101930</a>.</p> <p>[2] 郑良飞,彭细荣,向春霞,等.平面矩形单元及其在结构拓扑优化中的应用[J].湖南城市学院学报（自然科学版）, 2024, 33(5):5-11</p> <p>[3] Li, H.; Pan, Z.; Yang, Y. ;Wang, X.; Tang, H.; Ma, F.; Zheng, L. Predicting Residual Flexural Strength of Corroded Prestressed Concrete Beams: Comparison of Chinese Code, Eurocode and ACI Standard. Buildings 2024, 14, 2047.</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>None.</p>

## Example form for Staff Handbook

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Name	Li Xingxin		
Post	Senior Engineer		
Academic career	Bridge and Tunnel Engineering (Doctoral degree)	Central South University	2008-2012
	Bridge and Tunnel Engineering (Master's degree)	Central South University	2003-2006
	Civil Engineering (Bachelor's degree)	Central South University	1999-2003
Employment	Teacher, Senior Engineer	Hunan City University Hefei University of Technology	From 2019 to the present
	Director, Senior Engineer	China Railway Bridge Science Research Institute	2012-2018
	Deputy Director, Engineer		2006-2012
Research and development projects over the last 5 years	Operation Safety Risk Assessment Service for Long - span Bridges in Guangdong Province, Project Leader		
Industry collaborations over the last 5 years	Railway Bridges, Construction Principles and Methods, Foundation Engineering, Principles of Steel Structures		
Patents and proprietary rights	None		
Important publications over the last 5 years	[1] 李奔, 李星新. 基于机器视觉的桥梁自动化监测技术及应用, 吉林大学, 2021		
Activities in specialist bodies over the last 5 years	None		





## Example form for Staff Handbook

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Name	Zhou Yi		
Post	Lecturer, Senior Engineer		
Academic career	Major in Electronic information science and technology	Central South University	2004-2008
	Major in geological engineering	Central South University	2008-2011
	Major in geological engineering	Central South University	2013-2021
Employment	Senior Engineer	Guangdong Heavy Industry Architectural Design Institute Co., Ltd.	From 2017 to the present
	Lecturer	Hunan City University	From 2021 to the present
Research and development projects over the last 5 years	<p>[1] Interface Bonding Degradation Behavior and Deformation Calculation Method of CFRP - Strengthened Corroded RC Beams under Fatigue Loads. National Natural Science Foundation Project, funded by the National Natural Science Foundation of China. The funding amount is 300,000 yuan. The project period is from 2022 to 2024. Served as the project leader.</p> <p>[2] Research on the Anti - clogging Mechanism of Self - cleaning Composite Inclined Drain Pipes. General Project of the Education Department of Hunan Province. Funded by the Education Department of Hunan Province. The funding amount is 10,000 yuan. The project period is from 2021 to 2023. Served as the project leader.</p> <p>[3] Strength Evolution Mechanism of High Liquid - limit Red Clay Improved by Waste Glass Powder - based Solidifying Agent. Excellent Young Scientist Project of the Education Department of Hunan Province. Funded by the Education Department of Hunan Province. The funding amount is 60,000 yuan. The project period is from 2025 to 2027. Served as the project leader.</p>		
Industry collaborations over the last 5 years	Literature Retrieval and Research Methods, Professional English, Urban Rail Transit Stations		
Patents and proprietary rights	[1] Zhou Yi, Deng Chao, Chen Juan, Li Zhiping, Yin Quan. A Grouting Device Facilitating Grouting Angle Adjustment, July 21, 2023 - March 26,		

	<p>2024, China, CN 220666978 U</p> <p>[2] Zhou Yi. Big Data Intelligent Analysis Software for Slope Stability (2023SR0639514)</p> <p>[3] Zhou Yi. Software V1.0 for Calculating the Anti - sliding Stability of Earth - rock Dam Slopes (2023SR0626205)</p>
<p>Important publications over the last 5 years</p>	<p>[1] 周怡*,彭振斌,何忠明,尹泉.砾石土防渗料压实特性.中南大学学报 (自然科学版), 2020, 51 (8)/2061-2068.</p> <p>[2] 尹泉,周怡*,饶军应.深度学习的盾构隧道施工地表沉降预测方法.中南大学学报 (自然科学版), 2024, 55(2): 607-617.</p> <p>[3] 周怡. 心墙土石坝中砾石土的防渗特性与压实机理研究, 联合科学出版社, 2024.11</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>None</p>

## Example form for Staff Handbook

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Name	Gao Qiong		
Post	Lecturer		
Academic career	Civil Engineering major	Hunan Institute of Science and Technology	2006-2010
	Bridge Engineering major	Central South University	2010-2013
	Bridge Engineering major	Central South University	2015-2020
Employment	None	Nanchang Institute of Technology	2013-2015
	Lecturer	Hunan City University	From 2020 to the present
Research and development projects over the last 5 years	<p>[1] Research on the Seismic Cooperative Working Mechanism and Optimization Strategy of High - speed Railway Bridges Based on the Time - varying Behavior of Collision (51978667), National Natural Science Foundation of China, 600,000 yuan, from January 1, 2020 to December 31, 2023, participated.</p> <p>[2] Research on the Joint Seismic Optimization of Bridge Bearings and Stoppers under Strong Earthquakes (22B0792), Hunan Provincial Department of Education, 60,000 yuan, from January 2023 to December 2025, in charge.</p>		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	<p>[1] Yang Menggang, Meng Dongliang, Hu Shangtao, Gao Qiong. Surface - to - surface force - measuring device for measuring collision force in bridge collision tests, January 11, 2019, China, ZL201910027031.9</p> <p>[2] Yang Menggang, Fei Fan, Meng Dongliang, Gao Qiong. Bridge lateral seismic collision test device, January 11, 2019, China, ZL201920052224.5 (Patent)</p>		
Important publications over the last 5 years	<p>[1] Gao Q, Yang M G, Meng D L. Seismic optimization of simply-supported bridges for high-speed railway considering the running safety of trains in normal service, Structure and Infrastructure Engineering, 2023, 19(9): 1283-1298</p>		

	<p>[3] Yang M G, Meng D L, Gao Q, Zhu Y P, Hu S T. Experimental study on transverse pounding reduction of a high-speed railway simply-supported girder bridge using rubber bumpers subjected to earthquake excitations, <i>Engineering Structures</i>, 2019, (doi.org/10.1016/j.engstruct.2019.109290)</p> <p>[4] 孟栋梁, 高琼, 杨孟刚. 高铁简支梁桥横向地震碰撞效应振动台试验研究, <i>振动与冲击</i>, 2019, 38(24): 63-73</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>None</p>

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Hong Xinmin		
Post	Lecturer		
Academic career	Civil Engineering major	Hunan University of Science and Technology	2003.09-2007.06
	Bridge and Tunnel Engineering	Hunan University of Science and Technology	2007.09-2010.06
	Civil Engineering major	Central South University	2012.09-2020.06
Employment	Project Manager	Hunan Xinwang Landscape Greening Construction Co., Ltd.	2015.06-2018.05
	Testing Engineer	Hunan Bolian Testing Group Co., Ltd.	2018.6-2020.08
	Full - time Teacher	Hunan City University	August 2020 - Present
Research and development projects over the last 5 years	<p>Research on the Mutual Aerodynamic Interaction Mechanism between High - speed Trains and Viaducts during Train Meeting under Crosswind (22B0793), Hunan Provincial Department of Education, 60,000 yuan, from January 2023 to December 2025, in charge</p> <p>Xikou Xuedou Mountain Sightseeing Train Site Improvement Project, Luanping County Mountain Rack - Rail Train Project, Lushan County Aerial Rack - Rail Train Project, presided over by Hong Xinmin</p>		
Industry collaborations over the last 5 years	<p>Probability Calculation for Urban Rail Engineering</p> <p>Engineering Economy and Regulations</p> <p>Fundamentals of Innovation and Entrepreneurship</p>		
Patents and proprietary rights	None		
Important publications over the last 5 years	[1] <b>Hong Xinmin</b> , Guo Wenhua, Wang Zihao. Seismic analysis of coupled high speed train-bridge with the isolation of friction pendulum bearing[J]. Advances in Civil Engineering, 2020.		

	<p>[2] 郭文华, <b>洪新民</b>, 王子豪. 摩擦摆支座对高速列车-简支梁桥耦合振动的减隔震研究[J]. 东南大学学报 (自然科学版), 2020, 50 (2): 267-273.</p> <p>[3] 郭文华, <b>洪新民</b>, 陈春霞. 侧风下高铁列车交会运行时车-桥耦合振动[J]. 中国铁道科学, 2020, 41 (4): 48-56.</p>
<p>Activities in specialist bodies over the last 5 years</p>	

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Wu Yuexing		
Post	Lecturer		
Academic career	Civil Engineering major	Bachelor's degree from Chongqing Jiaotong University	2011-2015
	Bridge and Tunnel Engineering major	Doctor's degree from Chongqing Jiaotong University	2015-2021
Employment	Lecturer	Hunan City University	2023 - Present
Research and development projects over the last 5 years	<p>[1] Coupled Mechanical Behavior of Skeleton - Concrete and Optimal Arch - Forming Method for Long - Span Cantilever - Cast RC Arch Bridges, Hunan Provincial Natural Science Foundation Project, Hunan Provincial Department of Science and Technology, 50,000 yuan, 24 to from 20 2026, in charge</p> <p>[2] Mechanical Behavior of the Stiff Skeleton Section of "Partially SRC Arch Bridges" and the Optimal Main Arch - Forming Method, Excellent Young Scientists Project of the Hunan Provincial Department of Education, Hunan Provincial Department of Education, 60,000 yuan, from 2024 to 2026, in charge</p>		
Industry collaborations over the last 5 years	Engineering Economics and Regulations		
Patents and proprietary rights	None		
Important publications over the last 5 years	<p>[1] <b>Wu Yuexing</b>, Zhou Jianting, Zhang Jinqun, Wen Qiang, Li Xuan. Train-bridge dynamic behavior of long-span asymmetrical-stiffness cable-stayed bridge, 2021, 8512197.</p> <p>[2] 吴月星, 周建庭, 孙马, 田振生, 王桢. 空间异形索面悬索桥主缆成桥线形计算方法. 桥梁建设, 2020, 50(5): 37-43.</p> <p>[3] 吴月星, 严仁章, 刘增武, 谭书林, 王桢. 夜郎湖大桥主拱圈悬臂浇筑施工挂篮优化分析. 桥梁建设, 2019, 49(4): 102-107.</p>		
Activities in specialist bodies over the last 5 years	无		





## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Chen Xin		
Post	Lecturer		
Academic career	Bachelor's degree in Civil Engineering	Changsha University of Science and Technology	2003.09-2007.07
	Master's degree in Solid Mechanics	Central South University	2007.09-2010.07
Employment	Lecturer	Hunan City University	January 2011 - Present
Research and development projects over the last 5 years	None		
Industry collaborations over the last 5 years	<p>Project Name: Structural Safety Appraisal of the Party Member Education and Training Center in Zhangjiasai Township, Yiyang City, Hunan Province</p> <p>Project Participants: Yang Shanbo, Chen Xin</p> <p>Project Name: Settlement Monitoring and Structural Safety Appraisal of the Family Building of Mingshan Power Station in Nan County, Yiyang City, Hunan Province</p> <p>Project Participants: Yang Shanbo, Chen Xin</p>		
Patents and proprietary rights	<p>Patent Name: A New Type of Measuring Device for Civil Engineering Construction</p> <p>Patent Number: ZL 2020 2 0245959.2</p>	Chen Xin	2020.8
Important publications over the last 5 years	<p><b>【1】</b> Li Yali, <b>Chen Xin</b>. Building Mechanics. Beijing Hope Electronic Publishing House, March 2020</p> <p><b>【2】</b> Li Yongsuo, <b>Chen Xin</b>. Building Mechanics. Wuhan University of Technology Press, July 2021</p> <p><b>【3】</b> <b>Chen Xin</b>. Research on the Teaching Method of Structural Mechanics under the Background of Integrating Ideological and Political Education into Courses. Time Education, October 2024</p>		

Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Expert in the Hunan Provincial Comprehensive Bid Evaluation Expert Database.		From 2020 to present.

## Example form for Staff Handbook

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Name	Guo Jia		
Post	Lecturer, Graduate Supervisor		
本科	Civil Engineering major	Hunan City University	2009-2013
硕士研究生	Civil Engineering major	Changsha University of Science and Technology	2014-2017
博士研究生	Civil Engineering major	Changsha University of Science and Technology	2017-2021
Employment	Position	Employer	Period
	Section Chief, Lecturer	Hunan City University	From 2021 to the present
Research and development projects over the last 5 years	<p>Research and Practice on the Industry-Education Integration Training Model for Professional Master Students in Civil Engineering and Hydraulic Engineering Based on the "Six-in-One" Approach, funded by the Education Department of Hunan Province, 10,000 yuan, from 2022 to 2025, in charge</p> <p>Research on the Path of Leading the Green Construction of New Hunan in the Modern Era with Chinese-style Modern Prefabricated Buildings, self-funded, from 2023 to 2025, in charge</p> <p>Research on the Spatial Damage Identification Method of Beam Components Based on Wavelet Analysis - Particle Swarm Algorithm, funded by the Education Department of Hunan Province, 60,000 yuan, from 2023 to 2026, in charge</p>		
Industry collaborations over the last 5 years	High - rise Building Structure, Mechanics of Materials, Foundation Engineering		
Patents and proprietary rights			
Important publications over the last 5 years	<p>[1]郭佳,管德清,王玉奎,等.基于多维数据耦合-小波变换的固支梁损伤特征识别方法[J].铁道科学与工程学报,2024,21(08):3406-3420.</p>		

	<p>[2]郭佳, 管德清. 基于梁连续抗弯刚度与小波变换的结构损伤识别方法研究[J]. 计算力学学报, 2022, 39(5):608-613.</p> <p>[3] JIA G, Deqing G, Jianwei Z. Structural Damage Identification Based on the Wavelet Transform and Improved Particle Swarm Optimization Algorithm[J]. Advances in Civil Engineering, 2020, 2020(14):1-19.</p> <p>[4] JIA G, Deqing G, Yanran P. Research on Damage Identification of Nonuniform Microcrack in Beam Structures[J]. Advances in Civil Engineering, 2021, 2021(1):1-21.</p>												
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 752 877 795">Organisation</th> <th data-bbox="877 752 1133 795">Role</th> <th data-bbox="1133 752 1487 795">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 795 877 929">Member of the Teaching Committee for Energy and Power Engineering Specialty of the China Society for Electric Power Education.</td> <td data-bbox="877 795 1133 929"></td> <td data-bbox="1133 795 1487 929">2019 - 2023.</td> </tr> <tr> <td data-bbox="579 929 877 996">Evaluation Expert of the National Energy Conservation Center</td> <td data-bbox="877 929 1133 996"></td> <td data-bbox="1133 929 1487 996"></td> </tr> <tr> <td data-bbox="579 996 877 1088">Member of the Shanghai Science and Technology Committee of the Jiusan Society.</td> <td data-bbox="877 996 1133 1088"></td> <td data-bbox="1133 996 1487 1088">2017 - 2022.</td> </tr> </tbody> </table>	Organisation	Role	Period	Member of the Teaching Committee for Energy and Power Engineering Specialty of the China Society for Electric Power Education.		2019 - 2023.	Evaluation Expert of the National Energy Conservation Center			Member of the Shanghai Science and Technology Committee of the Jiusan Society.		2017 - 2022.
Organisation	Role	Period											
Member of the Teaching Committee for Energy and Power Engineering Specialty of the China Society for Electric Power Education.		2019 - 2023.											
Evaluation Expert of the National Energy Conservation Center													
Member of the Shanghai Science and Technology Committee of the Jiusan Society.		2017 - 2022.											

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Long Hao		
Post	Lecturer		
Academic career	Civil Engineering	Hunan City University	2008-2012
	Civil Engineering	Hunan University of Science and Technology	2012-2015
	Civil Engineering	Central South University	2015-2021
Employment	Position (职务) Lecturer	Employer (单位) Hunan City University	Period From 2021 to the present
Industry collaborations over the last 5 years	<p>Course Name:</p> <p>Construction Principles and Methods</p> <p>Construction of Building Engineering</p> <p>Course Design of Construction Organization Design</p> <p>Course Design of Budgetary Estimation</p> <p>Cognitive Internship</p> <p>Production Internship</p> <p>Graduation Internship</p> <p>Graduation Project</p>		
Patents and proprietary rights	<p>Toothed - groove Waterproof Connection Structure for Vertical Joint Grouting of Prefabricated Wall Panels in Prefabricated Buildings: CN109667352A</p> <p>Toothed - groove Waterproof Connection Structure for Horizontal Joint Grouting of Prefabricated Wall Panels in Prefabricated Buildings: CN109667351A</p>	Luo Xiaoyong, <b>Long Hao</b> , Xiang Hongzhan	Year 2019

	A Rapid Measurement and Calibration Method for PC Walls Based on Total Station: CN109855611B	Luo Xiaoyong, <b>Long Hao</b> , Xiang Hongzhan  Luo Xiaoyong, Long Hao, Xiang Hongzhan	2019  2020
Important publications over the last 5 years	<p>[1] <b>Hao Long</b>, Xiaoyong Luo, et al., Distribution Features of Deviation and Determination of a Tolerance Method for Prefabricated Concrete Components[J]. Buildings 2023, 13, 1142.</p> <p>[2] Xiaoyong Luo. <b>Hao Long</b>, et al., Study on Finite Element Model of the Prefabricated Reinforced Concrete Beam-Column Joints with Grouted Sleeves. Advances in Civil Engineering, 2021, 25, p. 5553820.</p> <p>[3] Xiaoyong Luo. <b>Hao Long</b>, et al., Prefabricated Concrete Component Geometry Deviation Statistical Analysis. Mathematical Problems in Engineering, 2021, 40: p. 9993451.</p> <p>[4] Xiaoyong Luo, Junfeng Cheng, Ping Xiang, <b>Hao Long</b>. Seismic behavior of corroded reinforced concrete columns joints under low-cyclic repeated loading[J]. Archives of Civil and Mechanical Engineering, 2020, 20, 40.</p> <p>[5] 罗小勇, <b>龙昊</b>, 曹琨鹏. 灌浆套筒连接装配式梁柱节点精细有限元模型[J]. 哈尔滨工程大学学报, 2021, 42(05): 641-648.</p> <p>[6] 罗小勇, 程俊峰, <b>龙昊</b>, 申智勇, 夏玉领. 钢筋锈蚀足尺混凝土柱抗震性能试验研究[J]. 建筑结构学报, 2021, 42(04): 69-79.</p> <p>[7] <b>Hao Long</b>, Xiaoyong Luo, et al. Efficient Assembly Dimension Chain Theory and Application in Installation of Prefabricated Concrete Structures [J]. Journal of Structural Engineering. (Submitting Manuscript)</p>		

## Example form for Staff Handbook

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Name	Wang Jixin		
Post	Lecturer		
Academic career	Civil Engineering	Taiyuan University of Technology	2007-2011
	Civil Engineering		2011-2013
	Civil Engineering	Hunan University Hunan University	2013-2022
Employment	Position Lecturer	Employer Hunan City University	Period From 2022 to the present
Research and development projects over the last 5 years			
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Course Name: Mathematical Modeling Production Practice Graduation Project		
Patents and proprietary rights	A prestressed mega - lattice shell structure with internal cables: 202011219619.3  A prefabricated variable - stiffness isolation bearing: 202110911131.5  A cable - prestressed mega - grid canopy structure: 202011235397.4	He Yongjun, <b>Wang Jixin</b> , Zhou Xuhong.  He Yongjun, <b>Wang Jixin</b> , Zhou Xuhong, Cheng Ya  He Yongjun, Zhou Xuhong, <b>Wang Jixin</b>	Year 2021  2022  2021
Important publications over the last 5 years	[1] Yongjun He, <b>Jixin Wang</b> , Xuhong Zhou, et al. Static properties and stability of segmentally prestressed cylindrical		

	<p>reticulated mega-structures[J]. Thin-Walled Structures, 2020, 155: 106949</p> <p>[2] Yongjun He, <b>Jixin Wang</b>, Xuhong Zhou, et al. Static and stability analyses of pretensioned latticed arch frame with integrated cable-strut arrangement[J]. Thin-Walled Structures, 2019, 145: 106400</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="572 555 852 589">Organisation</th> <th data-bbox="852 555 1139 589">Role</th> <th data-bbox="1139 555 1453 589">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="572 645 852 712">Young Director of the Stability and Fatigue Branch of the China Steel Structure Association, 2025 - 2028</td> <td data-bbox="852 645 1139 712"></td> <td data-bbox="1139 645 1453 712"></td> </tr> </tbody> </table>	Organisation	Role	Period	Young Director of the Stability and Fatigue Branch of the China Steel Structure Association, 2025 - 2028		
Organisation	Role	Period					
Young Director of the Stability and Fatigue Branch of the China Steel Structure Association, 2025 - 2028							



## Example form for Staff Handbook

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Name	Yang Shanbo		
Post	Lecturer		
Academic career	Bachelor of Civil Engineering	Zhuzhou Institute of Technology	2001.09-2005.07
	Master of Structural Engineering	Hunan University	2006.09-2009.07
Employment	Lecturer	Hunan City University	July 2009 - Present
Research and development projects over the last 5 years	None		
Industry collaborations over the last 5 years	<p>Project Name: Structural Safety Appraisal of the Party Member Education and Training Center in Zhangjiasai Township, Yiyang City, Hunan Province</p> <p>Project Participants: Yang Shanbo, Chen Xin</p> <p>Project Name: Settlement Monitoring and Structural Safety Appraisal of the Family Building of Mingshan Power Station in Nanxian County, Yiyang City, Hunan Province</p> <p>Project Participants: Yang Shanbo, Chen Xin</p>		
Patents and proprietary rights	<p>Patent Name: A Multifunctional Grinding Device for New - type Civil Engineering Construction</p> <p>Patent Number: ZL 2020 2 0279899.6</p>	Yang Shanbo, Chen Xin	2020.1
Important publications over the last 5 years	<p>【1】杨山波 疫情防控下结构力学课程线上教学改革初探 教育学文摘 202004</p> <p>【2】杨山波 浅谈高校工程类专业基础力学课程教学改革 教学与研究 202310</p> <p>【3】黎永索 杨山波 建筑力学，武汉理工大学出版社，2021 07</p>		

Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Expert in the Hunan Province Comprehensive Bid Evaluation Expert Database.		From 2020 to the present.

## Example form for Staff Handbook

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Name	Zhang Zaihua		
Post	Professor, Graduate Supervisor		
Educational experience starting from university	Industrial and Civil Architecture	Changsha University	1993-1996
	Industrial and Civil Architecture	Changsha Railway Institute	1996-1999
	Structural Engineering	Hunan University	2003-2006
Employment	Lecturer	Hunan City University	2006-2015
	Associate Professor	Hunan City University	2015-2021
	Professor	Hunan City University	2021 - Present
Research and development projects over the last 5 years	<p>Research on the Mechanical Performance and Design Calculation Theory of Assembly Connections of Tapping - type Single - sided High - strength Bolts Considering the Influence of Hole Shape (19A095), Key Scientific Research Project of the Education Department of Hunan Province, 80,000 yuan, 2019 - 2022, Project Leader.</p> <p>Research on the Evaluation Method of In - plane Rigidity Performance of Prefabricated Composite Floor in Dense - column Frame - tube Structure (19B099), Excellent Young Scientists Project of the Education Department of Hunan Province, 20,000 yuan, 2019 - 2022, Participant.</p> <p>Research on the Competence Training Evaluation System for Professional Degree Postgraduates in Civil Engineering and Hydraulic Engineering Based on School - enterprise Collaborative Joint Training (2020JGYB262), Research Project on the Reform of Degree and Postgraduate Education in Hunan Province, 10,000 yuan, 2020 - 2023, Project Leader.</p> <p>Research on the Structural Performance Test of Modular Prefabricated Steel - frame Rural Houses in Hunan Province (2024F48), 128,000 yuan, Horizontal Scientific Research Project, 2024 - 2025, Project Leader.</p>		

<p>Industry collaborations over the last 5 years</p>	<p>Principles of Steel Structure Design</p> <p>Steel Structure Design</p> <p>Prefabricated Buildings</p> <p>Experimental Techniques for Civil Engineering Structures</p> <p>Inspection Techniques for Civil Engineering Structures</p>		
<p>Patents and proprietary rights</p>	<p>A Demountable Prefabricated Steel - Prefabricated Plate Composite Beam, ZL 201910167848.6;</p> <p>Fabricated steel-concrete composite floor slab and an assembly connection method thereof, 2021/06488</p>	<p>Zhang Zaihua</p> <p>Zhang Zaihua</p>	<p>2019</p> <p>2021</p>
<p>Important publications over the last 5 years</p>	<p>[1] <b>Zhang Z</b>, Chen G, Luo W, et al. Experimental and numerical investigation of the hysteretic behavior of reinforced concrete column-steel beam interior joints under low seismic intensity levels[J]. Structure and Infrastructure Engineering, 2024: 1-21.</p> <p>[2] <b>Zhang Z</b>, He R, Mao G, et al. Experimental and numerical study on the in-plane behaviour of a new long-span assembly composite floor system under lateral load[J]. Journal of Asian Architecture and Building Engineering, 2022, 21(3): 954-972.</p> <p>[3] <b>Zhang Z</b>, Mao G, Liu Y , et al.Experimental Analysis on Seismic Behavior of Prefabricated Reinforced Concrete Column to Steel Beam Exterior Joints with Ribbed Angle Steel[J]. Journal of Engineering Science &amp; Technology Review, 2021, 14(3).</p> <p>[4] <b>Zhang Z</b>, Mao G, He R, et al. Bearing Capacity of Composite Joints of U-shaped Steel Composite Beams and Concrete-filled Square Steel Tubular Columns Based on Channel Steel Connection[J]. Journal of Engineering Science &amp; Technology Review, 2021, 14(4).</p>		

	<p>[5] 张再华，大跨装配式钢桁架组合楼盖平面内刚度及其抗倒塌性能研究，哈尔滨工业大学出版社，2021</p> <p>[6] 胡习兵，张再华，钢结构设计原理（第二版），北京大学出版社，2022</p> <p>[7] 胡习兵，张再华，钢结构设计（第二版），北京大学出版社，2023</p>									
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 510 874 548">Organisation</th> <th data-bbox="874 510 1145 548">Role</th> <th data-bbox="1145 510 1484 548">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 600 874 672">Member of the Expert Committee of Hunan Green Building and Steel Structure Association,</td> <td data-bbox="874 600 1145 672">2019 - 2023.</td> <td data-bbox="1145 600 1484 672"></td> </tr> <tr> <td data-bbox="579 698 874 770">Council member of the Stability and Fatigue Branch of China Steel Structure Association,</td> <td data-bbox="874 698 1145 770">2020 - 2024</td> <td data-bbox="1145 698 1484 770"></td> </tr> </tbody> </table>	Organisation	Role	Period	Member of the Expert Committee of Hunan Green Building and Steel Structure Association,	2019 - 2023.		Council member of the Stability and Fatigue Branch of China Steel Structure Association,	2020 - 2024	
Organisation	Role	Period								
Member of the Expert Committee of Hunan Green Building and Steel Structure Association,	2019 - 2023.									
Council member of the Stability and Fatigue Branch of China Steel Structure Association,	2020 - 2024									

## Example form for Staff Handbook

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Name	Hu Zhangqi		
Post	Lecturer		
Academic career	Undergraduate degree in Civil Engineering	Hunan University of Science and Technology	2004-2008
	Master's degree in Structural Engineering	Hunan University of Science and Technology	2009-2012
	Doctoral degree in Civil Engineering	Hunan University	2012-2019
Employment	Lecturer	Hunan City University	From 2018 to the present
Research and development projects over the last 5 years	<p>Research on the Design Method for the Function Restoration of Steel - Ceramsite Concrete Composite Shear Walls with Replaceable Wall - foot Components under Severe Earthquakes (2024JJ7081), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2024 - 2026, Project leader</p> <p>Research on the Function Restoration of Steel - Wood - Concrete Composite Shear Walls with Replaceable Wall - foot Components (20B108), Hunan Provincial Department of Education, 60,000 yuan, 2021 - 2023, Project leader</p> <p>Research on the Seismic Performance and Design Method of Function - recoverable Steel - Wood - Concrete Composite Shear Walls (2021133), Yiyang Municipal Bureau of Science and Technology, 20,000 yuan, 2022 - 2024, Project leader</p>		
Industry collaborations over the last 5 years	<p>Experimental Techniques for Civil Engineering Structures</p> <p>Inspection Techniques for Civil Engineering Structures</p> <p>Structural Mechanics</p> <p>Fundamentals of Innovation and Entrepreneurship</p> <p>Mathematical Modeling</p>		

<p>Patents and proprietary rights</p>	<p>1.Disc - shaped Spring Mild - Steel Rubber Composite Damper with Multi - level Energy - dissipation Mechanism, ZL 202021500167.1  2.Steel - Wood - Concrete Composite Shear Wall with Replaceable Coupling Beams and Wall - foot Components, ZL 202022849816.5  3.A High - strength Wooden Prefabricated Floor Slab, ZL 2020221753913.7</p>	<p><b>Hu Zhangqi</b>, Lü Weirong   <b>Hu Zhangqi</b>, He Ran, Zhang Miao, Wu Yusheng   Jiang Xiao, <b>Hu Zhangqi</b>, He Ran</p>	<p>2021.04.27-2031.04.26   2021.08.24-2031.08.23   2022.12.16-2022.12.15</p>
<p>Important publications over the last 5 years</p>	<p>[1] <b>Hu Zhangqi</b>, Chen Taohua, Wang Mengfu, et al. Seismic Performance and Mechanical Mechanism of Steel-Enhanced Damping Concrete Core Wall with Concealed Steel Plate Bracings under Oblique Loading, Advances in Civil Engineering, 2022, Jun:1-15.</p> <p>[2] <b>Hu Zhangqi</b>, He Ran, Wang YuKui, et al. Experimental Study on Mechanical Performance of U-Shaped Steel-Encased Concrete Composite Beam-Girder Joints, Advances in Civil Engineering, 2021, May:1-14.</p> <p>[3] <b>Hu Zhangqi</b>, He Ran, Liu Jin, et al. Experimental Study on L-shaped Concrete-filled Steel Tubular Columns under Axial Compression and Eccentric Compression, Journal of Science and Technology Review, 2024, 17 (2): 175 - 181</p> <p>[4] <b>Hu Zhangqi</b>, Lv Weirong, He Ran, et al. Stiffness reduction coefficient of steel plate-reinforced concrete composite coupling beams, Journal of Science and Technology Review, 2021, 14 (2): 142 - 149.</p> <p>[5] <b>Hu Zhangqi</b>, Lv Weirong, Wu Yusheng, et al. Analysis of stiffness reduction coefficient of conventionally reinforced concrete coupling beams on the bias of strut-and-tie model, Journal of Science and Technology Review, 2020, 13 (5): 82 - 89.</p> <p>[6] 曹国辉, 贺冉, 胡张齐等. 土木工程结构试验 (第二版), 中国电力出版社, 2023.08, 教材, 副主编</p>		

## Example form for Staff Handbook

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Name	He Min		
Post	Engineer		
Academic career	Civil Engineering major	Central South University	2001-2005
	Bridge and Tunnel Engineering major	Southwest Jiaotong University	2005-2008
Employment	Assistant Engineer	CCCC Road & Bridge Technology Co., Ltd.	2008-2010
	Engineer	China Railway Fifth Survey and Design Institute Group Co., Ltd.	2010-2012
	Engineer	Hunan City University	From 2012 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Experimental Techniques for Civil Engineering Structures Inspection Techniques for Civil Engineering Structures		
Patents and proprietary rights			
Important publications over the last 5 years	Cao Guohui, He Ran, Hu Zhangqi et al. Civil Engineering Structure Tests (2nd Edition), China Electric Power Press, August 2023, Textbook, Contributing author		
Activities in specialist bodies over the last 5 years)			



## Example form for Staff Handbook

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Name	Liu Xiaofang		
Post	Senior Engineer		
Academic career	Major in Industrial and Civil Architecture, Junior College degree	Hunan Urban Construction College Hunan University	1992-1995 1999-2002
	Major in Civil Engineering, Bachelor's degree		
	Major in Architecture and Civil Engineering, Master's degree	Shantou University	2014-2017
Employment	Construction worker	Zhejiang Wenzhou Electric Power Construction and Installation Company	1995-1998 1999-2000
	Construction worker	Beijing Jianlei Group	2001-2002
	Project manager	Changsha Zoomlion Heavy Industry Science & Technology Development Co., Ltd.	
	Teacher	Hunan City University	From 2002 to the present
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	Testing Technology for Civil Engineering Structures Experimental Technology for Civil Engineering Structures		
Patents and proprietary rights			

Important publications over the last 5 years	Practice in Civil Engineering, published by Chongqing University Press in September 2018. It is a textbook, and I participated in its compilation.						
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th data-bbox="579 309 874 344">Organisation</th> <th data-bbox="874 309 1145 344">Role</th> <th data-bbox="1145 309 1487 344">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 344 874 490"></td> <td data-bbox="874 344 1145 490"></td> <td data-bbox="1145 344 1487 490"></td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhang Yunyi		
Post	Lecturer		
Academic career	Biological Sciences (Undergraduate)	Central South University	2006-2010Year
	Mineralogy, Petrology, Mineral Deposits (Master's Degree)	Central South University	2011-2015Year
	Geological Engineering (Doctoral Degree)	Central South University	2015-2021Year
Employment	Position Lecturer	Employer Hunan City University	Period From 2021 to the present
Research and development projects over the last 5 years	<p>[1]. Fracturing Mechanism of Mixed Soil Landfill Cover System and Gas-Liquid Migration Law under Dry-Wet-Chemical Coupling Action (41972282), funded by the National Natural Science Foundation of China, 4 million yuan, 2019-2021, participated</p> <p>[2]. Development of Dynamic Interaction and Safety Monitoring Technology for Tall Structures at the Top of Slope and High Slope Support Structures (2018F48), 480,000 yuan, a horizontal scientific research project, in charge</p> <p>[3]. Grouting Test and Numerical Simulation of Large Karst Caves in Chengmenshan Copper Mine (2018), 910,000 yuan, a horizontal scientific research project, in charge</p> <p>[4]. Safety Assessment and Treatment Research on the Dumping Site of Thick Lacustrine Silt Soil Beneath Chengmenshan Copper Mine (2023), 300,000 yuan, participated</p>		
Industry collaborations over the last 5 years	Course names: Tunnel and Underground Engineering, Engineering Project Management and Regulations, Design of Underground Building Structures, Water Conservancy Economics and Project Management, Soil Mechanics Experiment		

Patents and proprietary rights	A filling method for karst caves in shield tunnels: ZL2019 1 0716059.3	Zhu Kaofei, Quan Yonghua, <b>Zhang Yunyi</b>	2021.04.27-2041.04.27				
Important publications over the last 5 years	<p>[1] 张云毅, 李江灵, 穆岩松等.岩溶破碎带盾构下穿建筑物沉降分析及控制, 施工技术,2019,48(03):80-83.</p> <p>[2] 张云毅, 吴玉鹏, 薛彦琪等.粗粒组对细粒类填土力学性质的影响分析,土工基础, 2019, 30(01): 39-43.</p> <p>3. 陈骏,张云毅,王永招等.紧邻高边坡深基坑开挖监测联合支护体系的建立,工程建设与设计[J]. 2020(15):151-153.</p> <p>[4] Yun-yi Zhang, Yong He, Ke-neng Zhang. et al. Montmorillonite alteration and its influence on Sr (II) adsorption on GMZ bentonite. Environmental Earth Sciences, 2021 80:791</p> <p>[5] 胡惠华, 张鹏, 肖燕, 张云毅.洞庭湖区软土空间区划及典型工程特征[M].科学出版社.2024</p> <p>[6] 黎永索, 杨明驰, 黄礼胜, 张云毅.管幕预筑法建造地下空间实践与创新,联合科学出版社.2024</p> <p>[7] 梁小强, 刘杰, 万海涛, 张云毅.砂砾石地层非开挖水平定向钻进关键技术,联合科学出版社.2024</p>						
Activities in specialist bodies over the last 5 years	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Organisation</th> <th style="text-align: left;">Role</th> <th style="text-align: left;">Period</th> </tr> </thead> <tbody> <tr> <td colspan="3">Member of the National Engineering Geology Association</td> </tr> </tbody> </table>	Organisation	Role	Period	Member of the National Engineering Geology Association		
Organisation	Role	Period					
Member of the National Engineering Geology Association							

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhu Weihua		
Post	Lecturer		
Academic career	Civil Engineering major	Changsha University of Science and Technology	2017-2023
	Civil Engineering major	Changsha University of Science and Technology	2014-2027
	Civil Engineering major	University of South China	2010-2014
Employment	Lecturer	Hunan City University	From 2023 to the present
Research and development projects over the last 5 years	Outstanding Young Scientist Project of the Scientific Research Project of the Hunan Provincial Department of Education (24B0734), funded by the Hunan Provincial Department of Education, 60,000 yuan, from 2024 to 2026, in charge		
Industry collaborations over the last 5 years	/		
Patents and proprietary rights	/	/	/
Important publications over the last 5 years	<p>[1] 朱伟华, 颜东煌, 许红胜*. 三塔悬索桥中塔适宜刚度数值解析算法[J]. 中国公路学报, 2023, 36 (04): 112-123.</p> <p>[2] 朱伟华, 颜东煌, 许红胜, 周伟*. 悬索桥空缆状态参数误差修正闭合迭代算法[J]. 公路交通科技, 2024, 41 (03): 102-110.</p> <p>[3] 朱伟华, 刘国坤*, 颜东煌, 等. 基于刚性支承连续梁法的悬索桥成桥状态解析算法[J]. 长安大学学报(自然科学版), 2024, 44 (01): 58-67.</p>		

	<p>[4] 朱伟华*, 颜东煌, 许红胜. 悬索桥主缆找形及索鞍设计位置闭合同步解析算法[J]. 公路交通科技, 2023, 40 (03): 76-83+104.</p> <p>[5] 朱伟华*, 颜东煌, 许红胜. 考虑摩擦接触的滑移索结构解析算法及参数影响分析[J/OL]. 计算力学学报, 1-7[2023-03-09].</p> <p>[6] 朱伟华*, 颜东煌, 许红胜. 基于质量守恒的缆索计算理论与找形解析算法[J]. 计算力学学报, 2024, 41 (03): 605-610.</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>/</p>

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Xu Zhichao		
Post	Lecturer		
Academic career	Forest Engineering (Forest Area Traffic Engineering)	Northeast Forestry University	2018-2022
	Architecture and Civil Engineering	Northeast Petroleum University	2015-2018
	Civil Engineering	Ludong University	2011-2015
Employment	Position Lecturer	Employer Hunan City University	Period From 2022 to the present
Research and development projects over the last 5 years	<p>[1] Excellent Young Scholar Project of the Hunan Provincial Department of Education, 23B0737, Research on the Hydrothermal Stability of Soft Soil Highway Subgrades in Freeze-Thaw Areas Based on the Non-Thermal Equilibrium Theory of Porous Media, January 2024 - December 2026, 60,000 yuan, in progress, in charge.</p> <p>[2] Teaching Reform Project of Hunan City University in 2023, Research on the Ideological and Political Education and Teaching Reform of the "Principles and Methods of Construction" Course under the Background of the "Dual Carbon" Strategy, October 2023 - October 2025, in charge.</p> <p>[3] Key Science and Technology Project of Heilongjiang Provincial Transportation Investment Group, JT-100000-ZC-FW-2021-0182, Research on the Complete Set of Technologies for the Construction and Maintenance of High-Grade Highways in the Northeast Permafrost Region, September 2021 - December 2024, 4,795,000 yuan, in progress, major participant.</p> <p>[4] Excellent Young Scholar Project of the Hunan Provincial Department of Education, 23B0736, Research on the Service Characteristics of Roadbases Made of Construction Waste Recycled Materials under the Action of Wetting and Traffic Loads, January 2024 - December 2026, 60,000 yuan, in progress, major participant.</p> <p>[5] Excellent Young Scholar Project of the Hunan Provincial Department of Education, 24B0738, Research on the Evolution Mechanism of Cracks on the Slopes of Vetiver Root and Geogrid Reinforced Expansive Soils, January 2025 - December 2027, 60,000 yuan, in progress, major participant.</p> <p>[6] Yiyang City Philosophy and Social Science Project, 202489, Research on the Whole-Process Management Strategy for the Recycling of Construction Waste - Taking Yiyang City as an Example, January 2024 - December 2025, major participant.</p>		
Industry collaborations over the last 5 years	Course name: Principles and Methods of Construction		

<p>Patents and proprietary rights</p>	<p>[1] Method for Backfilling Soft Subgrade with Solid Waste and Reinforcing by Dynamic Compaction, CN202411536468.2 [2] Forest Fire Early Warning, Monitoring and Emergency Response Decision - Support System, 2024R11L1474591</p>	<p><b>Xu Zhichao</b>, Chen Yunshan, Deng Chao, et al.  <b>Xu Zhichao</b></p>	<p>2024  2024</p>						
<p>Important publications over the last 5 years</p>	<p>[1] <b>Xu Zhichao</b>, Chen Yunshan*, Shan Wei, et al. Study of Methane Emission and Geological Sources in Northeast China Permafrost Area Related to Engineering Construction and Climate Disturbance Based on Ground Monitoring and AIRS[J]. Atmosphere, 2023, 14(8): 1-20. <b>(SCI, Q3)</b></p> <p>[2] <b>Xu Zhichao</b>, Shan Wei*, Guo Ying, et al. Swamp wetlands in degraded permafrost areas release large amounts of methane and may promote wildfires through friction electrification[J]. Sustainability, 2022, 14(15): 1-28. <b>(SCI, Q2)</b></p> <p>[3] <b>Xu Zhichao</b>, Wang Yuzhuo, Chen Yunshan*, et al. Research on road geological hazard risk assessment model based on computational deep learning algorithm integrated with GIS[J]. Journal of Electrical Systems, 2024, 20(2): 1-13. <b>(EI)</b></p> <p>[4] <b>Xu Zhichao</b>, Chen Yunshan*, Deng Chao, et al. Assessing the stability of slopes in municipal solid waste landfills[J]. Proceedings of the Indian National Science Academy, 2024, 3(1): 1-18. <b>(EI)</b></p> <p>[5] <b>徐智超</b>, 陈匀杉, 邓超, 等. 2003-2022年中国东北多年冻土区于大气对流层甲烷浓度时空分布作用机制及其地质释放源研究[J]. 气候与环境研究, 2024, 录用. <b>(CSCD核心)</b></p>								
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 1133 863 1167">Organisation</th> <th data-bbox="863 1133 1166 1167">Role</th> <th data-bbox="1166 1133 1479 1167">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 1167 863 1303">Member of the Jiusan Society,</td> <td data-bbox="863 1167 1166 1303"></td> <td data-bbox="1166 1167 1479 1303">2024</td> </tr> </tbody> </table>			Organisation	Role	Period	Member of the Jiusan Society,		2024
Organisation	Role	Period							
Member of the Jiusan Society,		2024							



## Example form for Staff Handbook

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Name	Peng Zhigao		
Post	Associate Professor, Postgraduate Supervisor		
Academic career	Engineering Mechanics	China University of Mining and Technology (Beijing)	2015-2018
	Fluid Mechanics	China University of Mining and Technology (Beijing)	2012-2015
	Civil Engineering	Hunan City University	2006-2010
Employment	Position	Employer	Period
	Lecturer	湖南城市学院	2018-2023
	Associate Professor	湖南城市学院	From 2024 to the present
Research and development projects over the last 5 years	<p>1. Meso - scale LBM Modeling and Experimental Research on Methane Diffusion - Adsorption and Desorption in Unsaturated Coal Seams (2023JJ50345), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2023 - 2025, in charge.</p> <p>2. Meso - scale LBM Modeling and Experimental Research on the Kinetics of Coal - bed Methane Diffusion - Adsorption and Desorption (22B0794), Hunan Provincial Department of Education, 40,000 yuan, 2022 - 2024, in charge.</p> <p>3. Research on the Quality Improvement Mechanism of Ideological and Political Education for Full - time Professional Degree Postgraduates (2021JGYB211), Hunan Provincial Department of Education, 10,000 yuan, 2022 - 2023, in charge.</p> <p>4. Experimental and Numerical Simulation Research on the Influencing Factors of Chloride Ion Permeability in Concrete under Multi - field Coupling, Yiyang Municipal Bureau of Science and Technology, 10,000 yuan, 2024 - 2025, in charge.</p>		
Industry collaborations over the last 5 years			

<p>Patents and proprietary rights</p>	<p>Bridge Crack Measuring Device For Bridge Engineering: South Africa, 2023/01524.</p> <p>Novel Testing Device for Concrete Material Permeability: South Africa, 2023/02503.</p>	<p><b>Peng Zhigao</b>, Wang Xinzhong, Feng Haoxiong, Yang Aocheng, Fang Weiqi.</p> <p><b>Peng Zhigao</b>, Wang Xinzhong, Deng Zongwei, Feng Haoxiong, Xiao Ming, Yang Aocheng, Fang Weiqi.</p>	<p>Year</p> <p>2023</p> <p>2023</p>
<p>Important publications over the last 5 years</p>	<p>Selected recent publications from a total of approx.</p> <p>[1] <b>Peng Z</b>, Liu S, Long Y, et al. Lattice Boltzmann Simulation of the Kinetics Process of Methane Diffusion with the Adsorption–Desorption Hysteresis Effect in Coal[J]. ACS omega, 2023, 8(34): 31135-31144. (SCI 三区)</p> <p>[2] <b>Peng Z</b>, Liu S, Deng Z, et al. Apparent Permeability Model of Coalbed Methane in Moist Coal: Coupling Gas Adsorption and Moisture Adsorption[J]. ACS omega, 2023, 8(24): 21677-21688. (SCI 三区)</p> <p>[3]<b>PENG Z</b>, DENG Z, FENG H, et al. Multiscale Lattice Boltzmann Simulation of the Kinetics Process of Methane Desorption-Diffusion in Coal[J]. ACS Omega, 2021, 2021: aesomega.1c02499. (SCI 三区)</p> <p>[4] <b>PENG Z</b>, LIU S, LI Y, et al. Pore-Scale Lattice Boltzmann Simulation of Gas Diffusion–Adsorption Kinetics Considering Adsorption-Induced Diffusivity Change[J]. Energies, Multidisciplinary Digital Publishing Institute, 2020, 13(18): 4927. (2020 年 SCI 三区)</p> <p>[5] <b>PENG Z</b>, LIU S, LI Y, et al. Apparent Permeability Prediction of Coal Matrix with Generalized Lattice Boltzmann Model considering Non- Darcy Effect[J]. Geofluids, 2020, 2020: 14. (SCI 收录)</p>		
<p>Activities in specialist bodies over the last 5 years</p>	<p>Organisation</p>	<p>Role</p>	<p>Period</p>

## Example form for Staff Handbook

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Name	Zhu Xin		
Post	Senior Experimentalist		
Academic career	Specialty in Housing Construction Engineering, Junior College	Hunan City University	1994-1997
	Specialty in Architectural Engineering, Undergraduate	Hunan University	2009-2012
Employment	Senior Experimentalist	Hunan City University	From 1997 to the present
Research and development projects over the last 5 years	<p>Pile Foundation Detection Project of the South Campus of Taojiang County People's Hospital in Yiyang City, Hunan Construction Engineering Group, 1.2 million yuan, 2020 - 2023, in charge</p> <p>PPP Project for Comprehensive Treatment of Water Environment in the Central Urban Area of Yiyang City, China Construction Fifth Engineering Division, 0.61 million yuan, 2024 - 2026, in charge</p>		
Industry collaborations over the last 5 years	<p>Experimental Techniques for Civil Engineering Structures</p> <p>Inspection Techniques for Civil Engineering Structures</p>		
Patents and proprietary rights	An intelligent building characteristic element database control system	Zhan Junyi, Meng Zhuochao, Zhu Xin	2020.11.27-2040.11.27
	A hollow pile for civil construction	Zhu Xin	2020.08.07-2030.08.07
Important publications over the last 5 years	1. *Civil Engineering Materials*, published by Northwestern Polytechnical University Press in November 2019, serving as associate editor - in - chief.		

	2. *Civil Engineering Structure Tests*, published by China Electric Power Press in September 2018, participating as an editor.						
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th data-bbox="579 309 863 349">Organisation</th> <th data-bbox="863 309 1147 349">Role</th> <th data-bbox="1147 309 1484 349">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 349 863 492"></td> <td data-bbox="863 349 1147 492"></td> <td data-bbox="1147 349 1484 492"></td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Li Yongsuo		
Post	Professor, Graduate Supervisor		
Academic career	Engineering Mechanics	Wuhan University of Technology (currently	1994-1998
	Civil Engineering	Wuhan University of Technology)	
	Geological Engineering	Huazhong University of Science and Technology	2000-2003
		Central South University	2008-2011
Employment	Assistant	Hunan City University	1998-2003
	Lecturer	Hunan City University	2003-2008
	Associate Professor	Hunan City University	2008-2012
	Postdoctoral Researcher	Central South University	2012-2015
	Professor	Hunan City University	From 2015 to the present
Research and development projects over the last 5 years	<p>[1] Mechanism and Experimental Research on Ground Deformation Caused by Jacking Construction of Closely Arranged Large-diameter Pipe Groups (51678226), General Program of the National Natural Science Foundation of China, January 2017 - December 2020, 760,000 yuan, completed, principal investigator</p> <p>[2] Influence of Jacking Construction Sequence of Pipe Roof Pre-construction Method on Ground Deformation (2021JJ30078), General Program of the Hunan Provincial Natural Science Foundation, January 2021 - December 2023, 50,000 yuan, completed, principal investigator</p>		
Industry collaborations over the last 5 years			
Patents and proprietary rights	[1] Jacking pipe experimental box and experimental method: ZL2019102223469	<b>Li Yongsuo</b> , Zeng Wanghui, Li Jianchao, Chen Hongwei, Hu Da, Liang Xiaoqiang, Zhang Sheng, Mao Guangxiang, Hong Liang, Ma Yanna,	2019.3.22-2024.1.16

	<p>[2] An anti-collapse support structure for the construction of urban underground utility tunnels: ZL2021103619225</p>	<p>Zhan Lian, Zhou Shizhuo.</p> <p>Liang Xiaoqiang, <b>Li Yongsuo</b>, Hu Da, Jiang Lei, Zhang Keneng, Yang Xian, Zhang Yunyi, Xi Chaozhuang, Fu Juan.</p>	<p>2021.4.2-2023.05.23</p>									
<p>Important publications over the last 5 years (</p>	<p>[1] Da Hu*, <b>Yongsuo Li*</b> , Xian Yang, Xiaoqiang Liang, Keneng Zhang,Xiaodong Liang.Experiment and Application of NATM Tunnel Deformation Monitoring Based on 3D Laser Scanning. Structural Control and Health Monitoring, 2023:3341788.(SCI 一区)</p> <p>[2] Da Hu*, <b>Yongsuo Li*</b>, Xian Yang, Xiaoqiang Liang, Keneng Zhang, Xiaodong Liang, Experiment and Application of NATM Tunnel Deformation Monitoring Based on 3D Laser Scanning. Structural Control and Health Monitoring ,2023, 1-13.</p> <p>[3] Da Hu, <b>Yongsuo Li*</b>, Xiaoqiang liang, et al. Analysis and Prediction of Pavement Settlement Caused by Jacking Construction of Ultra-Shallow Rectangular Shield Frame Bridge. Mathematical Problems in Engineering,2020,1-14. (SCI 四区)</p> <p>[4] <b>黎永索</b>,杨明驰,黄礼胜,张云毅.管幕预筑法建造地下空间实践与创新, 联合科学出版社,2025,1</p> <p>[5] <b>黎永索</b>,张可能,杨仙.管幕预筑地铁站施工力学效应研究 [M],中南大学出版社,2020,02</p> <p>[6] <b>黎永索</b>,何叶.建筑力学(第2版)[M],武汉理工大学出版社,2021,05</p>											
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="585 1559 882 1592">Organisation</th> <th data-bbox="882 1559 1185 1592">Role</th> <th data-bbox="1185 1559 1473 1592">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="585 1648 882 1715">Executive Director of Hunan Rock Mechanics and Engineering Society.</td> <td data-bbox="882 1648 1185 1715"></td> <td data-bbox="1185 1648 1473 1715">2021 - 2024</td> </tr> <tr> <td data-bbox="585 1738 882 1771">Vice President of Hunan Rock Mechanics and Engineering Society.</td> <td data-bbox="882 1738 1185 1771"></td> <td data-bbox="1185 1738 1473 1771">2024 - 2027</td> </tr> </tbody> </table>			Organisation	Role	Period	Executive Director of Hunan Rock Mechanics and Engineering Society.		2021 - 2024	Vice President of Hunan Rock Mechanics and Engineering Society.		2024 - 2027
Organisation	Role	Period										
Executive Director of Hunan Rock Mechanics and Engineering Society.		2021 - 2024										
Vice President of Hunan Rock Mechanics and Engineering Society.		2024 - 2027										

## Example form for Staff Handbook

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Name	Deng Zongwei		
Post	Professor, supervisor of postgraduate students		
Academic career	Underground Construction Engineering	China University of Geosciences (Wuhan)	1991-1995
	Geological Engineering	China University of Geosciences (Wuhan)	2001-2004
	Geotechnical Engineering	Central South University	2004-2007
Employment	Position	Employer	Period
	Assistant Engineer Professor	No. 414 Geological Team of Hunan Provincial Bureau of Geology and Mineral Exploration  Hunan City University	1995-2001  From 2007 to the present
Research and development projects over the last 5 years	Research on the Damage Evolution Mechanism and Analysis Method of Residual Soil Slope Foundation of Wind Turbines in High Mountains under the Coupling Action of Storm (2020JJ56), Hunan Provincial Department of Science and Technology, 50,000 yuan, 2020; Project Leader.		
Industry collaborations over the last 5 years	Course name: "Soil Mechanics and Foundation Engineering"		
Patents and proprietary rights	An adjustable - angle anchor cable backing plate: CN109025069A	<b>Deng Zongwei</b> , Fan Zijian, He Shanshan, Dai Wenchi	2018.12.18-2038.12.18
	A vacuum saturation device: CN113218725A	<b>Deng Zongwei</b> , Fan Zijian, Deng Hao, Chen Yongming, Hong Liang, Zhang Sheng, Liang Yuhang	2021.8.6-2031.8.6
Important publications over the last 5 years	<p>[1] Zhou Y M, <b>Deng Z W</b>, Fan Z J, et al. Shear Strength Deterioration of Compacted Residual Soils under a Wind Turbine due to Drying-Wetting Cycles and Vibrations[J]. Advances in Civil Engineering, 2021, 2021(1): 8628842.</p> <p>[2] Zhou Y, Liu X, <b>Deng Z</b>, et al. Field Monitoring and Numerical Analysis of the Reinforced Concrete Foundation of a Large-Scale Wind Turbine[J]. Advances in Materials Science and Engineering, 2021, 2021(1): 7656613.</p>		

	<p>[3] <b>邓宗伟</b>,邓沛宇,高乾丰,等.大型风力机圆形扩展基础倾覆破坏机理分析[J].太阳能学报,2021,42(03):15-20.</p> <p>[4] <b>Deng Z W</b>, Fan Z J, Zhou Y M, et al. Study on Dynamic Response Characteristics of Circular Extended Foundation of Large Wind Turbine Generator[J]. Sustainability, 2022, 14(21): 14213.</p>						
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 427 874 472">Organisation</th> <th data-bbox="874 427 1134 472">Role</th> <th data-bbox="1134 427 1484 472">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 472 874 607"></td> <td data-bbox="874 472 1134 607"></td> <td data-bbox="1134 472 1484 607"></td> </tr> </tbody> </table>	Organisation	Role	Period			
Organisation	Role	Period					



## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Fu Guihai		
Post	Professor, graduate supervisor		
Academic career	Engineering Management	Central South University	1995-1999
	Water Resources and Hydropower Engineering	Kunming University of Science and Technology	2002-2005
			2009-2014
	Civil Engineering	Central South University	
Employment	Position	Employer	Period
	Assistant Engineer	China Railway Tunnel Group	1999-2002
	Lecturer	Hunan City University	2005-2010
	Associate Professor	Hunan City University	2011-2016
	Professor	Hunan City University	From 2017 to the present
Research and development projects over the last 5 years	<p>1. Research on Innovation and Entrepreneurship Education in Local Application-oriented Universities Based on the Integration of Industry and Education, Hunan Social Science Achievement Evaluation Committee, 0 yuan, 2024 - 2026, principal investigator</p> <p>2. Research on the Working Mechanism of Bridge Abutment Pile Foundations in Lacustrine Soft Soil Foundations Based on Time Effect (2021JJ50142), Hunan Provincial Natural Science Foundation Committee, 50,000 yuan, 2021 - 2023, principal investigator</p> <p>3. Research on the Integration of Innovation and Entrepreneurship Education and Professional Education in Local Application-oriented Universities (HNJG - 2020 - 0798), 10,000 yuan, 2020 - 2023, principal investigator</p>		
Industry collaborations over the last 5 years	<p>1. Design of Foundation Pit Support for the Construction Drawing Design Service Project of the Comprehensive Production Building of Xiangtan Branch of China Tower Co., Ltd., Project in charge</p> <p>2. Design of Foundation Pit Support for the Comprehensive Training Building of the EPC General Contracting Project of Ezhou Fire Training Base, Project in charge</p>		

<p>Patents and proprietary rights</p>	<p>1. A support and protection structure for building foundations (ZL 202010028758.1)</p> <p>2. A detection device for surrounding rock fractures in geotechnical engineering (ZL 202010028757.7)</p>	<p><b>Fu Guihai</b>, Zhou Hui, Hong Liang, Xu Zan</p> <p><b>Fu Guihai</b>, Zhou Hui, Hu Da, Guo Youlin</p>	<p>2021.9.14</p> <p>2022.3.11</p>									
<p>Important publications over the last 5 years</p>	<p>[1] <b>Fu Gui-Hai</b>, Deng Zong-Wei, Tang Jia. Analysis of Lacustrine Facies Soft Soil Roadbed Settlement Based on a Viscoelastic-Plastic Model, Jordan Journal of Civil Engineering, 2020, 14(1): 57-68.</p> <p>[2] 付贵海, 阳 标, 张根宝, 等. 湖相软土单轴蠕变特性及其模型研究[J]. 湖南城市学院学报 (自然科学版), 2023, 32(3): 1-7.</p>											
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Organisation	Role	Period										
Director of the Hunan Rock Mechanics and Engineering Society.		2019 - 2024										
Director of the Hunan Science and Technology Periodical Editors Association.		2023 - 2024										

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhang Genbao		
Post	Associate Professor, Master's Supervisor		
Academic career	Postdoctoral Fellow (Transportation Engineering)	East China Jiaotong University	From 2021 to the present
	Doctor of Engineering (Civil Engineering)	Hunan University	2012-2018
	Doctor through Government - sponsored Joint Training Program (Geotechnical Engineering)	The University of Texas at Austin	2015-2016
	Bachelor of Engineering (Civil Engineering)	Hunan University	2006-2010
Employment	Position	Employer	Period
	Associate Professor	Hunan City University	From 2023 to the present
	Lecturer	Hunan City University	2020-2022
	Assistant to the Division Chief	Office of International Cooperation and Exchanges, Hunan University	2019-2020
Research and development projects over the last 5 years	<p>National Natural Science Foundation of China Project (51908201), Laboratory Testing and Numerical Simulation of the Dynamic Characteristics of the Anchorage Interface of Soil Anchors under Traffic Loads, 250,000 yuan, 2020 - 2022, principal investigator.</p> <p>Hunan Provincial Natural Science Foundation Project (2020JJ5024), Research on the Long - term Bearing Characteristics of the Soil Slope Anchorage Interface under Disturbance, 50,000 yuan, 2020 - 2022, principal investigator.</p> <p>Hunan Provincial Science and Technology Commissioner Service for Rural Revitalization Project (2021NK4273), Research, Development, Application and Demonstration of a New Prefabricated Foundation for Rural Multifunctional Street Lamp Poles, 100,000 yuan, 2021 - 2022, principal investigator.</p> <p>Key Scientific Research Project of the Education Department of Hunan Province (21A0511), Research on the Service Mechanism and Performance Design of Cement - stabilized Soil Modified by Composite of Construction Waste and Reinforcing Fibers, 80,000 yuan, 2021 - 2023, principal investigator.</p>		

	Project for Preferential Support of Postdoctoral Researchers in Jiangxi Province (2021KY59), Laboratory Testing and Modeling of the Anchorage Characteristics of Energy Anchors under the Synergistic Service of Bearing and Heat Exchange, 30,000 yuan, 2022 - 2024, principal investigator.		
Industry collaborations over the last 5 years	<b>Zhang Genbao</b> , R & D of Energy Anchor Technology and Engineering Application Demonstration, a project commissioned by Hunan Shangshang Municipal Construction and Development Co., Ltd., with a funding of 150,000 yuan, September 2024.		
Patents and proprietary rights	<p>1. Testing Device and Method for Torsional Shear Characteristics of the Interface between Piles or Anchors and Rock - Soil Mass under Multiple Working Conditions. Invention Patent, China, Authorization Number: ZL 201811578677.8.</p> <p>2. Inclined Brace Retaining Structure for Basement Earthwork Excavation. Utility Model Patent, China, Authorization Number: ZL202123221023.X.</p> <p>3. Anchored Pile - Supported Reinforced Soil Retaining Wall Embankment for Treating Soft Soil Subgrade on the Shore. Invention Patent, China, Authorization Number: ZL201710072759.4.</p> <p>4. Testing Method and System for Simulating the Bonding Performance between Rock - Soil and Anchor Solid under Geostatic Pressure. Invention Patent, China, Authorization Number: ZL201811462789.7.</p> <p>5. Internet of Things System Platform Software V1.0 for Slope Monitoring Based on Artificial Intelligence.</p>	<p>Chen Changfu; Zhu Shimin; Mao Fengshan; Zhang Genbao; Huang Jiabin; Wen Yongkai; Chen Yilong; Du Cheng; Qiu Linqi; He Kuangyu; Li Na; Huang Xiaoshi</p> <p>Zhang Genbao; Liu Guojun; Zhang Chao; Chen Changfu; Zhu Shimin</p> <p>Chen Changfu; Mao Fengshan; Zhang Genbao; Zhao Hongbo; Li Xin; Miao Xiaoyan; Hu Zhengbo; Liu Yijun; Gao Jie; Liang Xiaoteng; Huang Jiabin</p> <p>Chen Changfu; Zhu Shimin; Mao Fengshan; Tang Renhua; Zhang Genbao; Huang Jiabin; Wen Yongkai</p>	<p>2024.01.16</p> <p>2022.05.06</p> <p>2022.05.24</p> <p>2021.02.09</p> <p>2021.03.05</p>

	<p>Software Copyright, China, Registration Number: 2021SR0348250.</p> <p>6. Internet of Things System Platform Software V1.0 for Foundation Pit Monitoring Based on Deep Learning. Software Copyright, China, Registration Number: 2021SR0348252.</p> <p>7. Internet of Things System Platform Software V1.0 for High - rise Building Monitoring Based on Big Data. Software Copyright, China, Registration Number: 2021SR0348284..</p>	<p>Zhang Genbao; Sun Junbo; Lin Sen; Liu Shukui; Ma Yongzhi</p> <p>Zhang Genbao; Sun Junbo; Chu Tao; Ma Yongzhi; Liu Shukui</p> <p>Sun Junbo; Zhang Genbao; Liu Shukui; Zhang Junfei; Cui Yang</p>	<p>2021.03.05</p> <p>2021.03.05</p>
<p>Important publications over the last 5 years</p>	<p>[1] 张根宝*, 徐长节, 邓蘭庭, 成稳林, 钟俊麟, 熊紫依, 金文英, 邓宗伟. 铁尾矿砂替代率对水泥土热力性能的影响研究. 应用基础和工程科学, 2024, 32(6): 1569-1581. (EI)</p> <p>[2] Zhang G, Xu C, Wang D, Wang Y, Sun J*, Zhu S, Morsy M, Liu Z, Wang X. Machine learning-based prediction of interface creep behavior of grouted soil anchors with varying soil moistures. Transportation Geotechnics, 2024, 48: 101299. (中科院 2 区)</p> <p>[3] Zhang G, Xu C, Wang Y, Sun J*, Ding H, Zhu S, Zou Z, Al azzani H, Li Z, Li D, Wang X. Experimental and data-driven prediction for the impact of free/bond lengths of element specimen on interface characterization of ground anchors. Ocean Engineering, 2024, 309:118468. (中科院 2 区)</p> <p>[4] 张根宝, 何仕林, 陈昌富*, 徐长节, 毛凤山. 基于离散元的 GFRP 筋-水泥土界面粘结特性分析. 工程地质学报, 2023, 31(6): 2115-2124. (CSCD)</p>		

- [5] 张根宝\*, 王春晓, 李卉, 汪荟荃. 基于学生导航视角的岩土工程课程思政的需求侧诠释. 科教文汇, 2023, 22: 139-141.
- [6] 张根宝, 张超\*, 白允, 杨楚卿. 空隙岩石非线性变形细观唯象分析模型及其应用. 公路交通科技, 2023, 40(2): 135-144. (CSCD)
- [7] 张根宝\*, 陈昌富, 徐长节, 朱世民, 陈海军. 基于双界面滑移耦合的水泥土锚杆荷载传递模型. 土木与环境工程学报, 2023, 45(1): 79-88. (CSCD)
- [8] 张根宝\*, 谢晨风, 张昱, 黄道吉. 交通荷载和锚杆相对位置变化对锚固边坡动力承载特性影响研究. 湖南城市学院学报, 2022, 31(6): 1-8.
- [9] Zhang G, Wang J, Sun J\*, Tang Y, Chen C, Morsy A M, Wang X. Properties of sustainable self-compacting concrete containing activated jute fiber and waste mineral powders. Journal of Materials Research and Technology, 2022, 19: 1740-1758. (中科院 1 区)
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- [11] Zhang G, Sun J\*, Chen C, Wang Y, Wang X. Optimized neural network prediction of interface bond strength for GFRP reinforced cemented soil. Geomechanics and Engineering, 2022, 28 (6): 599-611. (中科院 3 区)
- [12] Zhang G, Ding Z, Wang Y, Chen C, Fu G, Luo X, Zhang C, Wang X. Combined utilization of construction and demolition waste and propylene fiber in cement stabilized soil. Buildings, 2022, 12(3), 350. (中科院 3 区)
- [13] Zhang G, Zhu J\*, Chen C, Tang R, Zhu S, Luo X. Analytical reliability evaluation framework of three-dimensional engineering slopes. Buildings, 2022, 12(3), 268. (中科院 3 区)

	<p>[14] <b>Zhang G</b>, Chen C, Sun J*, Li K, Xiao F, Wang Y, Chen M, Huang J, Wang X. Mixture optimization for cement-soil mixtures with embedded GFRP tendons. <i>Journal of Materials Research and Technology</i>, 2022, 18: 611-628. (中科院 1 区)</p> <p>[15] <b>Zhang G</b>, Chen C, Li K, Xiao F, Sun J*, Wang Y, Wang X. Multi-objective optimization design for GFRP tendon reinforced cemented soil. <i>Construction and Building Materials</i>, 2022, 320:126297. (中科院 1 区, ESI 高被引论文)</p> <p>[16] <b>张根宝*</b>, 胡达, 蔡建荣, 姚琦, 周昭明. 浅谈无人机倾斜摄影技术在岩土工程专业课程实例教学中的应用. <i>教育现代化</i>, 2021, 8(50): 158-160+185.</p> <p>[17] <b>Zhang G</b>, Chen C*, Zornberg J, Morsy A, Mao F. Interface creep behavior of grouted anchor in clayey soils: effect of soil moisture condition. <i>Acta Geotechnica</i>, 2020, 15: 2159–2177 (中科院 2 区)</p>												
<p>Activities in specialist bodies over the last 5 years</p>	<table border="1"> <thead> <tr> <th data-bbox="579 1093 877 1131">Organisation</th> <th data-bbox="877 1093 1165 1131">Role</th> <th data-bbox="1165 1093 1487 1131">Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="579 1176 877 1254">Hunan Rock Mechanics and Engineering Society,</td> <td data-bbox="877 1176 1165 1254">Executive Director,</td> <td data-bbox="1165 1176 1487 1254">2024 - Present</td> </tr> <tr> <td data-bbox="579 1276 877 1310">International Geosynthetics Society,</td> <td data-bbox="877 1276 1165 1310">Member,</td> <td data-bbox="1165 1276 1487 1310">2021 - Present</td> </tr> <tr> <td data-bbox="579 1332 877 1411">International Society for Soil Mechanics and Geotechnical Engineering,</td> <td data-bbox="877 1332 1165 1411">Member,</td> <td data-bbox="1165 1332 1487 1411">2022 - Present</td> </tr> </tbody> </table>	Organisation	Role	Period	Hunan Rock Mechanics and Engineering Society,	Executive Director,	2024 - Present	International Geosynthetics Society,	Member,	2021 - Present	International Society for Soil Mechanics and Geotechnical Engineering,	Member,	2022 - Present
Organisation	Role	Period											
Hunan Rock Mechanics and Engineering Society,	Executive Director,	2024 - Present											
International Geosynthetics Society,	Member,	2021 - Present											
International Society for Soil Mechanics and Geotechnical Engineering,	Member,	2022 - Present											

## Example form for Staff Handbook

**Please submit 1 page per person**

Name	Zhang Liang		
Post	Associate Professor, Graduate Supervisor		
Academic career	Bachelor of Mining Engineering	Jiangxi University of Science and Technology	2009-2013
	Master of Mining Engineering	Jiangxi University of Science and Technology	2013-2016
	Doctor of Civil Engineering	Changsha University of Science & Technology	2016-2020
Employment	Position	Employer	Period
	Department Head	Hunan City University	From 2023 to the present
Research and development projects over the last 5 years	<p>1) Project No. 52308399, funded by the National Natural Science Foundation of China, with an amount of 300,000 yuan. The project duration is from January 2024 to December 2026, as the principal investigator.</p> <p>2) Project No. TUC2022 - 02, funded by the Engineering Research Center of Tunnel and Underground Engineering, Ministry of Education (Beijing Jiaotong University), with an amount of 40,000 yuan. The project duration is from October 2022 to October 2024, as the principal investigator.</p> <p>3) Project No. 21B0725, funded by the Education Department of Hunan Province, with an amount of 60,000 yuan. The project duration is from December 2021 to May 2024, as the principal investigator.</p> <p>4) Project No. 51878074, funded by the National Natural Science Foundation of China, with an amount of 600,000 yuan. The project duration is from January 2019 to December 2022, as a participant.</p>		
Industry collaborations over the			



last 5 years			
Patents and proprietary rights	<p>1) A device for making concrete specimens with micro-cracks: ZL 2021 2 2915241.7</p> <p>2) A wavelet basis construction method for ground penetrating radar signals based on lifting scheme: ZL 2019 1 0388443.5</p> <p>3) Method and system for identifying tunnel lining thickness based on geological radar wavelet transform: ZL 2020 1 0908318.5</p> <p>4) An analysis system for strong interference removal and resolution enhancement of geological radar signals: 2021SR1835300</p>	<p><b>Zhang Liang,</b> Huang Lanqing, Zhang Sheng, Zhou Yingxian, Yang Biao</p> <p>Ling Tonghua, <b>Zhang Liang,</b> Yu Bin</p> <p>Zhang Sheng, <b>Zhang Liang,</b> Hu Da, Fu Guihai, Hong Liang</p> <p><b>Zhang Liang,</b> Zhang Sheng, Ling Tonghua, Zhou Yingxian, Yang Biao, Wen Tao</p>	<p>2021.11.25-2036.11.2 5</p> <p>2019.05.10-2039.05.1 0</p> <p>2020.09.02-2040.09.0 2</p> <p>2021.07.27-2071.07.2 7</p>
Important publications over the last 5 years	<p>[1] <b>Zhang Liang*</b>, Zhang Sheng, Deng Zongwei, Ling Tonghua. Migration imaging processing of subgrade cavity GPR detection based on TUFK method[J]. Environmental Earth Sciences, 2024, 83(9): 283.</p> <p>[2] <b>Zhang Liang*</b>, Zhang Sheng, Deng Zongwei, Ling Tonghua. Geological detection of hard rocks by GPR and signal time-frequency characteristics analysis in urban underground trenchless construction[J]. Measurement Science and Technology, 2024, 35(4): 045406.</p> <p>[3] <b>Zhang Liang*</b>, Zhang Sheng, Ling Tonghua, Huang Fu. Biorthogonal wavelet energy entropy method with different time windows for strong interference processing of GPR signals[J]. Journal of Applied Geophysics, 2023, 216(9), 105158.</p> <p>[4] <b>张亮</b>, 邓泽邦, 张胜, 邓宗伟, 李海, 陈健琼. 基于小波能量矩的城市地下管线探地雷达识别与分析[J]. 湖南城市学院学报(自然科学版), 2023, 32(5):1-6.</p>		

	<p>[5] <b>Zhang Liang*</b>, Zhang Sheng, Ling Tonghua, Deng Zongwei. Frequency spectrum and energy refinement characteristics of blasting vibration signals in raw water pipeline tunnel excavation[J]. <i>Frontiers in Earth Science</i>, 2022, 10: 966222.</p> <p>[6] <b>Zhang Liang*</b>, Ling Tonghua, Yu Bin, Huang Fu, Zhang Sheng. Intensive interferences processing for GPR signal based on the wavelet transform and F-K filtering[J]. <i>Journal of Applied Geophysics</i>, 2021, 186(3): 104273.</p> <p>[7] <b>张亮</b>, 凌同华*, 陈增辉, 张胜, 余彬. 基于改进 CEEMDAN 方法确定微差爆破实际延期时间[J]. <i>振动与冲击</i>, 2020, 39(20): 274-280.</p> <p>[8] Ling Tonghua, <b>Zhang Liang*</b>, Huang Fu, Gu Danping, Yu Bin, Zhang Sheng. OMHT method for weak signal processing of GPR and its application in the identification of concrete micro-crack[J]. <i>Journal of Central South University</i>, 2019, 26(11): 3057–3065.</p> <p>[9] Ling Tonghua*, <b>Zhang Liang</b>, Liu Haoran, Gu Danping, Yu Bin, Zhang Sheng. OMWS method for weak signal processing of GPR and its application in the identification of concrete microcracks[J]. <i>Journal of Environmental &amp; Engineering Geophysics</i>, 2019, 24(2): 317–325.</p> <p>[10] 凌同华, <b>张亮*</b>, 刘浩然, 黄阜, 谷淡平, 余彬. 基于小波提升格式理论的隧道衬砌缺陷定量识别分析[J]. <i>中国公路学报</i>, 2019, 32(12): 197-204+226.</p>		
<p>Activities in specialist bodies over the last 5 years</p>	<p>Organisation</p>	<p>Role</p>	<p>Period</p>
	<p>Director of Hunan Rock Mechanics and Engineering Society, from December 2019 to December 2023.</p>		