

International Postdoctoral Position Descriptions

Offered by: Beijing University Of Technology

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N o.	Established Discipline / Field	Position Title	Research Directions and Core Research Content	Intended Enrollment and Program Duration	Introduction to the Supervisor and Research Team	Basic Requirements	Compensation and Benefits	Application Procedure
1	Biomedical Engineering	Biofluid Mechanics	1. Research Interest: Biofluid Mechanics and Its Clinical Applications. 2. Core Content: Hemodynamics Simulation,Surgical Planning, Intervention and Implantation Design	1-2 people, 1-6 years (determined based on the progress of the research project).	Prof. Liu Youjun, his research focus on blood flow modeling and hemodynamics simulation.	A background in biomedical engineering or mechanics is required.	Annual salary of 150,000 yuan (including national and local subsidies); Equipped with laboratory space and necessary equipment; Assistance with visa processing, accommodation, and children's education matters.	Applicants must first communicate with the prospective supervisor. Upon the supervisor's approval, the school will conduct a qualification review and a post-entry assessment. Those who pass the assessment will be reported to the university for final approval.
2	Biomedical Engineering	Tumor Biology	1. Research Interest: Molecular mechanisms and intervention strategies of tumor metabolic reprogramming and epigenetic regulation. 2. Core Content: Focus on tumor metabolic reprogramming and epigenetic regulation, exploring molecular targets and drug targets for tumorigenesis and	1-2 people, 1-6 years (determined based on the progress of the research project).	Zhang Hongsheng, Professor, Ph.D. Supervisor. His research focuses on the epigenetic mechanisms underlying tumorigenesis, progression, and drug resistance, with research directions including metabolic reprogramming and epigenetic regulation.	A background in biology, molecular biology, oncology, bioinformatics, or pharmacology is required.	Annual salary of 150,000 yuan (including national and local subsidies); Equipped with laboratory space and necessary equipment; Assistance with visa processing, accommodation, and children's education matters.	Applicants must first communicate with the prospective supervisor. Upon the supervisor's approval, the school will conduct a qualification review and a post-entry assessment. Those who pass the assessment will be reported to the

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3	Traffic Engineering (First-class Discipline)	Intelligent Traffic and Transportation Research Position	Research direction: Intelligent Traffic and Transportation. Core research content: Traffic big data, AI vertical large models, intelligent connected traffic systems.	1-2 recruits; 1-6 years (determined according to the progress of research projects)	Prof. Yanyan Chen is a full-time professor and doctoral supervisor who has been selected as a national candidate for the "Millions of Talents Project", enjoys special government allowances from the State Council, and serves as an expert of the Expert Committee of the Ministry of Transport. Additionally, the research team led by her has secured more than ten provincial and ministerial-level scientific research awards.	<ol style="list-style-type: none"> 1. Age generally not exceeding 35 years old; 2. Professional background related to Traffic Engineering; 3. Recognized scientific research achievements in the field of traffic by the discipline; 4. Excellent English listening, speaking, reading and writing skills, capable of conducting independent scientific research; 5. Abide by Chinese laws and regulations as well as the rules and regulations of the Institution. 	<ol style="list-style-type: none"> 1. Basic annual salary of 150,000 RMB; 2. Equipped with experimental sites and required equipment; 3. Assistance in handling visas, accommodation, children's education and other matters. 	Applicants should first contact with the intended supervisor. After obtaining the supervisor's approval, the college will conduct eligibility review and admission assessment. Those who pass the assessment will be reported by the college to the university for approval.
4	Applied Economics (First-level Discipline)	Foreign Postdoctoral Researcher in Applied Economics	Research Directions: Carbon Emissions and Climate Change, Energy Economy and Green Innovation, New Energy and New Energy Storage, Digital Economy and Industrial Ecology, Green Finance and Financial Technology, Power Technology Economy and Management, Smart Energy and Artificial Intelligence, and other related interdisciplinary fields and directions.	2-4 people, 2-3 years (determined according to the progress of research projects).	Team Leader: Professor Chi Yuanying, Doctoral Supervisor. She has long been engaged in research in fields such as low-carbon economy and green sustainable development, new energy and new energy storage, digital economy and big data, and interdisciplinary subjects of resources and environment. She currently serves as a Member/Deputy Secretary-General of the First Committee of the Energy Industry Brand Research and Development Branch of the China Energy Research Association; a Member of the Energy Intelligence Professional Committee of the China Electrotechnical Society; and a	<ol style="list-style-type: none"> 1. Generally under 35 years old; 2. Possessing relevant professional backgrounds in economics, management, computer science, artificial intelligence, etc.; 3. Having published at least 1 relevant research paper as the first author in SCI/SSCI journals; 4. Possessing good English listening, speaking, reading and writing skills, and being able to carry out scientific research 	<ol style="list-style-type: none"> 1. Annual salary for foreign postdoctoral researchers: approximately 150,000 RMB (pre-tax); 2. Eligible to apply for postdoctoral apartments for rent; 3. Equipped with experimental venues; 4. Assisting in handling visa, accommodation, children's education and other matters. 	Applicants should first communicate with the intended supervisor, Professor Chi Yuanying (Email: goodcyy@bjut.edu.cn). After obtaining the supervisor's consent, the school will conduct qualification review and admission assessment. Those who pass the assessment will be reported by the school to the university for approval.

					<p>Director of the Energy Economy and Management Research Branch of the China "Double Methods" Research Association. In the past five years, she has undertaken dozens of projects including those from the United Nations Environment Programme, the Key R&D Program of the Ministry of Science and Technology of the People's Republic of China, and the key project sub-topic of the Major Research Plan of the National Natural Science Foundation of China. She has won 3 provincial and ministerial-level or higher awards, obtained 7 invention patents, and published 6 monographs; she has also published dozens of papers in renowned domestic and foreign journals. The research team consists of many renowned professors, university high-level talents and young elites, covering multiple disciplinary fields such as economics, management, and engineering.</p>	<p>independently; 5. Abiding by Chinese laws and regulations as well as the rules and regulations of the unit.</p>		
5	Applied Economics	Research Position on Data Factor Circulation(In dustrial Economics)	<p>1. Data factor circulation empowering the development of advanced manufacturing industry; 2. Core Content: Conduct research on how data factor circulation empowers the development of advanced manufacturing industry, and explore the mechanism and model of data factor circulation empowering the development of advanced manufacturing industry.</p>	<p>1 person, 1-6 years (determined according to the progress of research projects).</p>	<p>Supervisor: Zhu Heliang, Professor of Applied Economics at Beijing University of Technology (BJUT), who has long been committed to research in industrial economy and digital economy. The research team includes many professors and doctoral students.</p>	<p>1. Generally under 35 years old; 2. Possessing relevant professional backgrounds in economics, etc.; 3. Having published at least 1 relevant research paper as the first author in SCI/SSCI journals; 4. Possessing good English listening, speaking, reading and writing skills, and being able to carry out</p>	<p>1. Annual salary for foreign postdoctoral researchers: approximately 150,000 RMB (pre-tax);2. Eligible to apply for postdoctoral apartments for rent;3. Equipped with experimental venues;4. Assisting in handling visa, accommodation, children's education and other matters.</p>	<p>Applicants should first communicate with the intended supervisor, Zhu Heliang (Email: zhubrand@163.com) . After obtaining the supervisor's consent, the school will conduct qualification review and admission assessment. Those who pass the assessment will be reported by the</p>

						scientific research independently; 5. Abiding by Chinese laws and regulations as well as the rules and regulations of the unit.		school to the university for approval.
6	Applied Economics	Research Position on the Impact Mechanism of Artificial Intelligence and Green Finance on Carbon Neutrality	1. Research Direction: The impact mechanism and policy simulation of artificial intelligence and green finance on energy technology innovation.2. Core Content: Conduct research on the impact mechanism of artificial intelligence and green finance on energy technology innovation, construct relevant models, and carry out simulation.	1 person, 1-6 years (determined according to the progress of research projects).	Brief Introduction of Supervisor Zeng Shihong's Team:Ph.D. in Economics, Professor, Doctoral Supervisor/Postdoctoral Cooperation Supervisor. He is a communication reviewer for the National Natural Science Foundation of China and the National Social Science Foundation of China. He serves as an editorial board member of Humanities & Social Sciences Communications, a JCR Tier 1 SSCI journal and a sub-journal of Nature. He also acts as an anonymous reviewer for more than 30 SSCI and SCI journals. He has conducted visiting research in the United States and Japan for 2 years. Most of the doctoral students he supervised work in research institutions such as the Chinese Academy of Social Sciences and Beijing Institute of Technology after graduation. In recent years, as the project leader, he has completed or is undertaking, and participated in completing a number of projects including General Projects of the National Natural Science Foundation of China, Special Research on the Major Basic Scientific Issues and Countermeasures for National Carbon Neutrality of the National Natural Science Foundation of China, and	1. Generally under 35 years old; 2. Possessing relevant professional backgrounds in economics, management, science, engineering, etc.; 3. Having published at least 1 relevant research paper as the first author in CSSCI, SCI/SSCI journals;4. Possessing good English listening, speaking, reading and writing skills, and being able to carry out scientific research independently;5. Abiding by Chinese laws and regulations as well as the rules and regulations of the unit.	1. Annual salary for foreign postdoctoral researchers: approximately 150,000 RMB (pre-tax);2. Eligible to apply for postdoctoral apartments for rent;3. Equipped with experimental venues;4. Assisting in handling visa, accommodation, children's education and other matters.	Applicants should first communicate with the intended supervisor, Zeng Shihong (Email: zengshihong@bjut.edu.cn). After obtaining the supervisor's consent, the school will conduct qualification review and admission assessment. Those who pass the assessment will be reported by the school to the university for approval.

					Major Projects of the National Social Science Foundation of China. More than 100 papers (chapters) have been published in SSCI, SCI journals and other publications.			
7	Management Science and Engineering (First-level Discipline)	Foreign Postdoctoral Researcher in Management Science and Engineering	<p>1. Research Direction: Safe Disposal and Resource Utilization of Hazardous Chemical Waste; Core Content: The superposition and transmission mechanism of multiple types of risk chains in the disposal of hazardous chemical waste, the site selection of disposal functional areas and transportation network planning, collaborative optimization and incentive mechanism design. 2. Research Direction: Strategies for Improving the Resilience and Safety Level of the Supply Chain of China's Important Industries; Core Content: Analysis of the types and characteristics of the supply chain of China's important industries, analysis of the impact mechanism of digital technology, and realization paths. 3. Research Direction: Pricing Strategy and Trading Model of Data Trading Platforms; Core Content: Pricing strategy, profit model of data trading platforms, and comparison of on-exchange and off-exchange trading models.</p>	3-6 people, 2-4 years (determined according to the progress of research projects).	<p>Li Jian, whose main research fields include financial technology, logistics and supply chain management, and digital economy management. He is the Director of the Blockchain Research Center of Beijing University of Technology, the Responsible Professor of the Doctoral Program in Management Science, and the Principal Investigator of Special Projects and Key Projects of the National Natural Science Foundation of China. He has been selected as a New Century Excellent Talent of the Ministry of Education, a Beijing Great Wall Scholar, and a Young Beijing Scholar. He serves as a Director of the Chinese Society of Management Science and Engineering, a Director of the Chinese Systems Engineering Society, etc. He has won the Second-Class Award of the Natural Science Award of the Ministry of Education, the Third-Class Award of the Humanities and Social Sciences Award of the Ministry of Education, and the First-Class Award of the Excellent Educational and Teaching Achievements of Beijing University of Technology. The research team consists of many renowned professors, Beijing high-level talents and young elites, covering multiple</p>	<p>1. Generally under 35 years old; 2. Possessing relevant professional backgrounds in management, economics, computer science, artificial intelligence, etc.; 3. Having published at least 1 relevant research paper as the first author in SCI/SSCI journals; 4. Possessing good English listening, speaking, reading and writing skills, and being able to carry out scientific research independently; 5. Abiding by Chinese laws and regulations as well as the rules and regulations of the unit.</p>	<p>1. Annual salary for foreign postdoctoral researchers: approximately 150,000 RMB (pre-tax); 2. Eligible to apply for postdoctoral apartments for rent; 3. Equipped with experimental venues; 4. Assisting in handling visa, accommodation, children's education and other matters.</p>	<p>Applicants should first communicate with the intended supervisor, Chi Yuanying (Email: lijiansem@bjut.edu.cn). After obtaining the supervisor's consent, the school will conduct qualification review and admission assessment. Those who pass the assessment will be reported by the school to the university for approval.</p>

					disciplinary fields such as management, economics, and information science.			
8	Physics / Condensed Matter Physics	Research Position in Electromagnetic Functional Materials and Devices	Research Position on Electromagnetic Functional Materials and Devices 1. Research Direction: Electromagnetic functional materials. 2. Core Content: Conduct research on the design and properties of electromagnetic functional materials, and develop their applications in fields such as electromagnetic compatibility, photothermal, sensing, and storage.	1-2 persons. 1-6 years, determined according to the progress of the research project.	The research supervisor, Professor Zhi-Ling Hou, has a research team consisting of 2 professors and 1 lecturer. The team mainly conducts research in the fields of electromagnetic shielding and absorbing materials, photothermal conversion materials, nonlinear electrical transport materials, metamaterials and devices. They have published over 100 SCI-referenced papers in academic journals such as Adv. Mater. and Nat Commun., with over 10,000 citations. Among them, there are 10 highly cited papers. They have also obtained more than 10 patent authorizations and won 3 provincial and ministerial-level science and technology awards.	<ol style="list-style-type: none"> 1. The age should generally not exceed 35 years old. 2. Possess a background in related fields such as condensed matter physics and materials science. 3. Have officially published at least one SCI journal paper as the first/co-first author in the relevant field. 4. Have good proficiency in English in listening, speaking, reading and writing, and be capable of independently conducting research work. 5. Comply with Chinese laws and regulations as well as the rules and regulations of the unit. 	<ol style="list-style-type: none"> 1. Annual salary of 150,000 ¥ (before tax). 2. Provide 30,000 ¥ for research start-up funds. 3. Equip with experimental facilities and necessary equipment. 4. Assist in handling visa, accommodation, and children's education and other matters. 	Contact Email: houlz@bjut.edu.cn The applicant first communicates with the intended supervisor. After the supervisor gives approval, the institute conducts a qualification review and an on-site assessment. Those who pass the assessment will be reported by the institute to the college for approval.
9	Mechanical Engineering / Manufacturing and Automation; Mechanical Design and Theory; Mechatronic Engineering; Measurement and Control Technology and Instruments	Mechanical Engineering Teaching & Research Position	<ol style="list-style-type: none"> 1. Research direction: Digitalization and intelligentization of mechanical engineering 2. Core content: research to be carried out around: dynamic and static performance analysis technologies for manufacturing equipment; intelligent manufacturing technologies; mechanical design theory; mechatronic engineering and additive manufacturing technologies; advanced 	3-4 candidates; 1-5 years (to be determined based on the progress of research projects)	In the fields covered by the core content, the Mechanical Engineering discipline has strong research teams and corresponding research platforms, has undertaken multiple national major S&T projects and National Natural Science Foundation projects, and maintains a tradition of collaborative research with a strong research atmosphere.	<ol style="list-style-type: none"> 1. Generally no more than 35 years old; 2. Relevant academic background in mechanical engineering; 3. Published at least one SCI paper in a JCR Q1 journal; 4. Strong English listening, speaking, reading, and writing skills; able to conduct research independently; 5. Comply with PRC laws/regulations and 	<ol style="list-style-type: none"> 1. Annual salary RMB 150,000 (including national and local subsidies); 2. Laboratory space and required equipment provided; 3. Eligible to apply for postdoctoral apartment housing 	Applicants should first contact the Mechanical Engineering postdoctoral workstation liaison; after obtaining the supervisor's consent, establish contact with the supervisor/team and communicate further. After the supervisor agrees to accept the applicant, the college conducts

			hydraulic drive and control technologies			institutional rules		eligibility review and station-entry assessment; those who pass are submitted by the college to the university for approval.
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