

## **Introduction to the International Postdoctoral Program at BJUT**

During the 23 years of establishing a postdoctoral research mobile station, a total of 18 post-doctoral research mobile stations have been established in BJUT, including Mechanical Engineering, Materials Science and Engineering, Mathematics, Optical Engineering, Electronic Science and Technology, Computer Science and Technology, Civil Engineering, Environmental Science and Engineering, Management Science and Engineering, Mechanics, Power Engineering and Engineering Thermophysics, Physics, Biomedical Engineering, Transportation Engineering, Control Science and Engineering, Statistics, Software Engineering, Chemical Engineering and Technology. Specific overview information (see attachment).

In the fourth round of National Discipline Evaluation in 2017, the discipline of Civil Engineering of BJUT ranked among the top 2%-5%, the discipline of Environmental Science and Engineering of BJUT ranked among the top 5%-10%, and Seven disciplines, namely, Mechanical Engineering, Materials Science and Engineering, Computer Science and Technology, Control Science and Engineering, Software Engineering, Optical Engineering, and Statistics, were among the top 10% -20%.

As of December 2019, BJUT has recruited a total of 818 post-doctoral researchers, and currently has 224 post-doctoral researchers. Now a relatively systematic and stable postdoctoral research team has been formed in our university.

## BJUT Postdoctoral Research Mobile Station

| NO. | Faculties/<br>Colleges  | Name of<br>Post-doctoral<br>Research Mobile<br>Station | Major Setting and Research Scope  |
|-----|---|--|---|
| 1   | Faculty of<br>Information<br>Technology   | Electronic Science<br>and Technology                   | Physical Electronics, Circuits and<br>Systems, Microelectronics and Solid<br>State Electronics  |
| 2   |   | Control Science and<br>Engineering                     | Control Theory and Control Engineering,<br>Detection Technology and Automation<br>Devices, Pattern Recognition and<br>Intelligent Systems, Navigation Guidance<br>and Control                       |
| 3   |   | Computer Science<br>and Technology                     | Multimedia Information Technology and<br>Human-computer Interaction<br>Technology, Artificial Intelligence,<br>Pattern Recognition and Computer<br>Vision, New Computer Interaction<br>Technology   |
| 4   |   | Software<br>Engineering                                | Software Engineering Theory and<br>Methods, Embedded Computing and<br>Internet of Things, Digital Media<br>Technology, Computer and Network<br>Security, Big Data Technology and Cloud<br>Computing |
| 5   | College of<br>Mechanical<br>Engineering<br>and Applied<br>Electronics<br>Technology | Mechanical<br>Engineering                              | Mechanical Design and Theory,<br>Mechanical and Electrical Engineering,<br>Mechanical Manufacturing and<br>Automation   |
| 6   |   | Mechanics  | Engineering Mechanics, Fluid Mechanics,<br>Solid Mechanics, Dynamics and Control  |
| 7   | College of<br>Architecture &<br>Civil<br>Engineering                                | Civil Engineering                                      | Geotechnical Engineering, Structural<br>Engineering, Disaster Prevention and<br>Mitigation Engineering and Protection<br>Engineering, Bridge and Tunnel<br>Engineering, Municipal Engineering       |
| 8   | College of<br>Environmental<br>& Energy   | Environmental<br>Science and<br>Engineering            | Environmental Science, Environmental<br>Engineering   |

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|----|---|---|---|
| 9  | Engineering                                   | Power Engineering and Engineering Thermophysics | Thermal Engineering, Refrigeration and Cryogenic Engineering, Power Mechanical Engineering, Automotive Engineering  |
| 10 |   | Chemical Engineering and Technology             | Applied Chemistry, Materials Chemicals, Industrial Catalysis  |
| 11 | College of Applied Sciences                   | Mathematics                                     | Basic Mathematics, Applied Mathematics, Probability Statistics  |
| 12 |   | Physics   | Theoretical Physics, Optics, Condensed Matter Physics   |
| 13 |   | Statistics                                      | Statistics and Applications   |
| 14 | College of Materials Sciences and Engineering | Materials Science and Engineering               | Materials Science, Materials Physics and Chemistry, Materials Processing Engineering  |
| 15 | College of Economics & Management             | Management Science and Engineering              | Industrial Structure Adjustment and Optimization, Engineering Project Argumentation Theory and Method, China Service Industry Development Strategy, Financial Engineering, Industrial Innovation Research |
| 16 | College of Life Sciences & Bio-Engineering    | Biomedical Engineering                          | Biomedical Engineering, Viral Disease Prevention Research, Drug Design and Synthesis, Quantum Biology and Cancer Control Research, Bioelectronics and Biomechanics  |
| 17 | College of Metropolitan Transportation        | Transport Engineering                           | Transportation Planning and Management, Traffic Safety, Traffic Information and Control, Road and Railway Engineering   |
| 18 | Institute of Laser Engineering                | Optical Engineering                             | Optical Engineering   |