



CHINA 聚焦“广东”

Focus on Guangdong

Shenzhen: The New Center for China's Top Schools

In just 40 years, Shenzhen has grown from a small, unknown fishing village to a thriving megalopolis, and is now one of the world's most commercially competitive cities (referred to collectively along with Beijing, Shanghai, and Guangzhou as “BeiShangGuangShen”). But if you asked people on the streets of China a few years ago about the Shenzhen Special Economic Zone—the country's first—from which came the well-known phrase “Shenzhen Speed,” they would tell you that Shenzhen was simply an “upstart” with no cultural foundation. Because of their rigid opinion, they would probably say, “There is no culture in Shenzhen, not even a few universities. What it has most is money.”

Those who hold this view, which Shenzhen's citizens reject as “sour grapes,” may be embarrassed now, because the city's financial gains are gradually helping to fill its educational vacuum. By February 2018, 17 of China's highest-level universities, including Tsinghua University, Peking University, Shandong University, Sun Yat-sen University, Tianjin University, and Xiamen University—which account for almost half of the best universities in China—had established a presence in Shenzhen in the form of research institutes, graduate schools, branch campuses, etc. That number does not include famous universities, such as the University of the Chinese Academy of

Sciences, Shanghai Jiaotong University, and Renmin University of China, which have signed agreements with Shenzhen. At the pace of current development, most of China's Project 985 colleges and universities will have outposts in Shenzhen in the future, among them one former Project 211 university and six Hong Kong universities, including the Chinese University of Hong Kong.

Attracting talent with money and vision

As part of China's overall talent recruitment strategy, other cities are rushing to acquire talent—Shenzhen, however, is not only fighting to procure talent, but colleges and universities as well. In China's traditional higher education system, colleges and universities are typically clustered in municipalities and capital cities, but Shenzhen is slowly trying to change this situation. The logic behind this is very clear: Colleges and universities are one of the most important reservoirs for high-level talent in cities. In the first half of 2018, Shenzhen gained 38 full-time academicians, most of whom are in colleges and universities. During March to September of this year, three of the four Nobel Prize winners who have moved to Shenzhen also signed with universities, including the Chinese



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University of Hong Kong (in Shenzhen).

Why is Shenzhen favored by China's top universities? The figures tell the story. The city's fiscal budget for education in 2018 is RMB 63.4 billion (USD 9.3 billion), accounting for about 16% of the city's fiscal expenditure, an increase of 25% over 2017. On the official website of the Shenzhen Science and Technology Innovation Commission, a public list of funding for 2018 scientific research indicates that projects supporting local universities in Shenzhen, plus famous universities and scientific research institutions at home and abroad cooperating with Shenzhen (including 17 foreign Project 985 universities, one Project 211 university, and six Hong Kong universities), account for about 70% of funded projects. Tsinghua University and the Harbin Institute of Technology in Shenzhen have received nearly RMB 30 million (USD 4.4 million) in grants. The graduate school and research institute of Peking University in Shenzhen have received more than RMB 25 million (USD 3.65 million). The Shenzhen Institute of Hong Kong University of Science and Technology has received RMB 13.3 million (USD 1.9 million).

These figures certainly explain why local universities in Shenzhen are developing so rapidly. The research funding for Shenzhen University is nearly RMB 90 million (USD 13.1 million), and Southern University of Science and Technology is receiving more than RMB 30 million (USD 4.4 million). Most remarkably, Shenzhen Institute of Information Technology, a vocational college, receives a research grant of up to RMB 10.8 million (USD 1.6 million), which is higher than the funding for many Project 985 colleges and universities in Shenzhen.

These figures confirm an aphorism that applies to the development of colleges and universities: "Money may not be omnipotent, but no money makes things impossible." Of course, Shenzhen's success in this area cannot be simply attributed to money, but rather to Guangdong Province and Shenzhen's forward-looking strategic vision and various supporting policies, including funds, talent acquisition, and scientific research.

Thinking globally, acting locally

China officially proposed to build world-class universities and first-class disciplines in 2015. In April of that year, Guangdong had taken the lead in launching the construction of high-level universities in science and engineering in China (referred to as "Double High" for short), uniting the formation of national Double First-Class universities with that of Double-High universities, and dealing quickly with all aspects of organization, funding, and project management. The province invested more than RMB 30 billion (USD 4.4 billion) in Double-High universities in three years. The speed of this implementation is undoubtedly amazing. By contrast, three years later, there are still many provinces in China that are more than willing to construct Double First-Class universities, but lack the necessary resources. In these provinces, the greatest asset is undoubtedly their talent recruitment policy. However, with no high-level personnel handling hardware and material accumulation, the policy amounts to little more than a "castle in the air."

Last year, Guangdong issued the document "Opinions on Deepening the Reform of Mechanisms for Talent Development System Implementation," and proposed a series of measures to promote the establishment of a globally competitive talent system and accelerate the construction of special areas where talent can live and work. Shenzhen has been formulating more active and open

talent policies, ranging from the "1 + 6" policy for high-level professionals, to the "Peacock Plan" for introducing highly skilled talent from overseas, to the Ten Thousand Talents Project and the Talent Work Regulations. The "four beams and eight pillars" of the talent policy have been continuously improved and perfected, and more policy refinements are underway. Under these policies, the number of high-level experts in Shenzhen is now over 10,000, and the total number of professionals in the city exceeds 5.1 million.

Thanks to well-organized and firm implementation, the talent development policies have achieved excellent results. The most direct proof of this is that Zhongshan University, South China University of Technology, Jinan University, Guangzhou University of Traditional Chinese Medicine, and South China Normal University are now listed as Double First-Class universities, making Shenzhen seventh in the country in terms of the number of these institutions.

By May 2017, 545 state-level experts and 371 provincial experts had been acquired by Shenzhen's Double-High universities; 50 disciplines had entered the top 1% of the Essential Science Indicators (ESI) database, with five subjects entering the top 1%; and 2,024 projects had been funded by the National Natural Science Foundation, with a growth of 10%. The number of approved projects in eight of Shenzhen's universities ranked among the top 100 in the nation's colleges and universities, marking the greatest achievement in the city's history.

Recognizing local universities

Local universities in Shenzhen have also benefited enormously. In March 2017, the Guangdong Provincial Department of Education announced funding of RMB 1.5 billion (USD 220 million) for high-level university construction during that same year. According to the announcement, Shenzhen University received nearly RMB 30 million (USD 4.4 million) in financial subsidies, with nearly RMB 20 million (USD 2.9 million) in award funds. It should be said that this is in line with the rapid speed of the city's growth. Shenzhen University has six disciplines that have entered the top 1% of ESI's global rankings. This swift increase in academic rankings at home and abroad reflects the fact that this young university, founded only 35 years ago, is now in full vigor. According to media reports, Shenzhen will strengthen cooperation with prestigious universities at home and abroad on the basis of its effectively managed local universities, including Shenzhen University and Southern University of Science and Technology, and strive to develop several top-notch universities as well as more high-level, distinctive disciplines and professions. By 2025, the number of colleges and universities in Shenzhen is projected to reach 20, with full-time students numbering more than 200,000, three to five colleges and universities ranking among China's top 50, and more than 30 disciplines entering the top 1% of the ESI global rankings, making it one of the strongest cities for higher education in China.

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Job description

3-5 full-time Postdoctoral Research Fellow positions are available at Center for Air Pollution and Climate Change Research (APCC), Jinan University, Guangzhou, China. The successful applicants will work on projects related to atmospheric multiphase chemistry and air pollution (more details see <http://apcc.jnu.edu.cn/> and <https://sites.google.com/view/jnu-apcc/>). The positions are for a period of 2 years and can be extended upon mutual agreement.

Qualified Postdoc candidates are expected to

- have a Ph.D. degree in meteorology, atmospheric physics/chemistry, or a related field
- be under 35 years of age and no more than 3 years beyond receiving Ph.D. degree
- with experiences in aerosol measurements (physical or chemical), instrument development, or model simulation (WRF-Chem, GEOS-Chem or Molecular Dynamics)

Remuneration and Benefits

- Basic salary of 250,000 to 350,000 RMB (approx. 36,000 to 50,000 USD) per year depending on performance
- Housing allowance of 2000 RMB per month

About application materials:

- CV
- Copies of educational certificates
- A complete list of publications
- Names and contact details of 2-3 references (name, relationship to candidate, e-mail and telephone number)

Contact information

lan.zou.eci@jnu.edu.cn

The recruitment information above is long-term valid.



Faculty Positions Available at Harbin Institute of Technology, Shenzhen (HITSZ)

Founded in 1920, *Harbin Institute of Technology (HIT)*, which is under the Ministry of Industry and Information Technology, is a national key university offers specializations in science, engineering, management and many other fields. It is a member of the C9 League and also the first universities to be part of Project 985 and one in list of "Double First-Class" University project.

In the engineering field, HIT ranked No.2 in China and No.6 in the world according to US NEWS 2018. What is more, according to ARWU 2017, HIT ranked No.7 in China, top 200 in the world. In the same year, HIT ranked ESI top 1/10000 in the world, in China only three universities have ESI top 1/10000 disciplines in the world, and HIT is one of them.

Together with the Shenzhen Municipal Government, HIT created Harbin Institute of Technology, Shenzhen (HITSZ), which was established in 2002 as HIT Shenzhen Graduate School and currently serves as a key campus of HIT. It is the first university in Shenzhen which belong to C9 League member, also in the list of Project 985 and "Double First-Class" University project which starts to enroll undergraduate students.

Shenzhen is a city born to innovate, Shenzhen has become a frontrunner in promoting innovation-driven development when China's economy steps into the new normal. Shenzhen is now widely known as a 'City of Makers' and a 'City of Innovation.' With a brand-new look, HITSZ will follow the HIT tradition, keep on the philosophy of high starting point, high standard to attract more international excellent talents and carries forward the Shenzhen spirit to serve as a contributor to national and regional economic and social development.

For more details, please refer to www.hitsz.edu.cn.

Fields Open for Recruitment:

- | | |
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| (1) Computer Science and Technology | (15) Environmental Science and Engineering |
| (2) Electronic Science and Technology | (16) Management Science and Engineering |
| (3) Materials Science and Engineering | (17) Biomedical Engineering |
| (4) Control Science and Engineering | (18) Chemistry |
| (5) Power Engineering and Engineering Thermophysics | (19) Physics |
| (6) Mechanics | (20) Biology |
| (7) Mathematics | (21) Design |
| (8) Practical Economics | (22) Sociology |
| (9) Business Administration | (23) Marxism |
| (10) Civil Engineering | (24) Marine Science |
| (11) Mechanical Engineering | (25) Aeronautical and Astronautical Science and Technology |
| (12) Architecture | (26) Urban and Rural Planning |
| (13) Space Science and Technology | (27) Linguistics |
| (14) Information and Communication Engineering | (28) English |

Qualifications and Requirements:

- (1) Ph.D. completed in a related field before the start of employment.
- (2) Overseas working experience or postdoctoral training is preferred.
- (3) All strong candidates are encouraged to apply.

Salary and Benefits:

- (1) Applicants will be appointed as 'Professor', 'Associate Professor' or 'Assistant Professor' according to their qualifications and backgrounds.
- (2) Salary: approximately from 300 thousands to 1.5 million.
- (3) Research funds will be provided according to different positions and subjects.
- (4) Applicants could apply for high-level talents allowance in Shenzhen (approximately from 1.6 million to 3 million), or rent teachers' welfare house, the rent is lower than the market price.

To Apply:

Each application must include the following documents:

- (1) Application Form for Faculty Position (the form could be down-

loaded from website: <http://www.hitsz.edu.cn/job/view/2.html>; applicants should indicate their main research area to facilitate the application process).

- (2) A cover letter including three parts: (1) self-introduction (explaining why the applicant should be considered for the job), (2) the expected contribution to the School based in terms of research, and (3) future work plan, if hired.

- (3) Three Letters of Recommendation

- (4) Electronic copy of supporting documents (diploma, achievements, list of publications, etc.)

Application materials should be sent to YANG Zhixi at: hrrsz@hit.edu.cn.

Contact:

Ms. YANG Zhixi
Human Resources Department
Harbin Institute of Technology, Shenzhen
Tel: +86-755-26033365
E-mail: hrrsz@hit.edu.cn





Faculty Positions at all ranks at Southern University of Science and Technology (SUSTech)

The SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY (SUSTech) is offering exciting opportunities for scientists and engineers in a variety of disciplines.

The **Southern University of Science and Technology (SUSTech)** in Shenzhen, is actively seeking outstanding candidates. Applications are invited for all major science, engineering and medical disciplines.

Successful applicants will be appointed to the faculty of SUSTech at a level commensurate with their background and experience, from tenure-track assistant professor to tenured chair professor.

SUSTech offers a competitive salary and start-up package (compared with US and HK universities) for recipients of relevant national talents programmes. Benefits include: a competitive starting salary; a living subsidy of 2.75 million RMB (young talents programmes) or 4.5 million RMB (senior talents programmes) over three to five years; a start-up fund of up to 12 million RMB; principal investigator and tenure-track systems; a housing allowance up to 8,000 RMB per month; and social insurance and welfare.

communication skills and the capacity to teach in English.

If interested, please submit the following material electronically to hr@sustc.edu.cn: 1) Curriculum Vitae (with a complete list of publications); 2) Statement of research interests; 3) Statement of teaching philosophy; 4) Selected reprints of three recent papers; and 5) Names and contact information of five references. Review of applications will begin immediately and continue until the positions are filled.

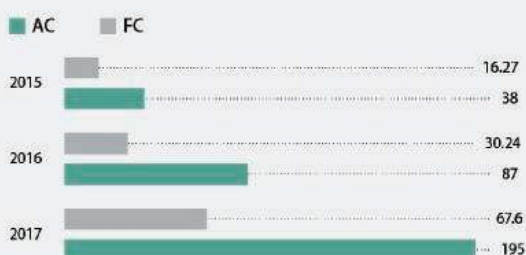
Applicants should have a PhD in a relevant science, engineering or medical field. Applicants must have a proven track record of high-quality peer-reviewed academic publications, as well as excellent



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