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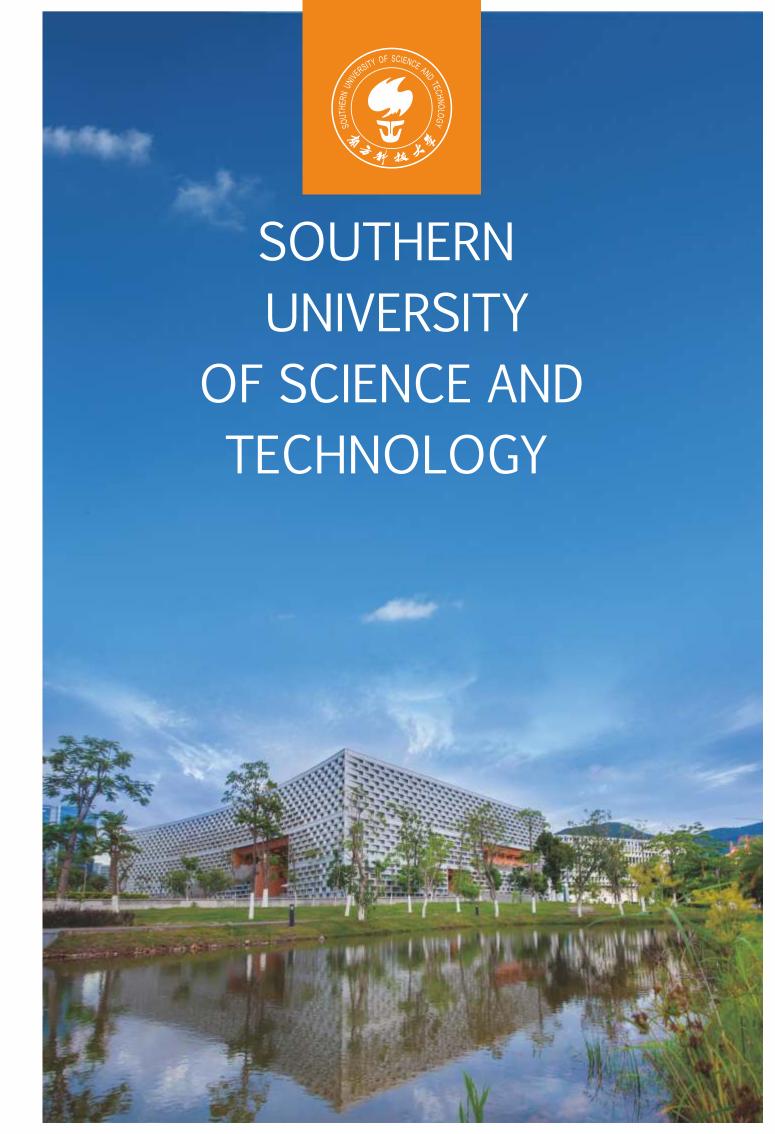
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www.sustc.edu.cn

2016年12月02日印制



#### **FEATURES**

办学特色



#### **MISSION**

#### 使命

**Service** To serve the needs of innovation-oriented national development

To serve the needs of building Shenzhen into a modern, international and innovative city

**Reform** To lead higher education reform in China

and serve as a testing ground for building high-level research universities through innovation

To serve as a model for reforming the education system and modernizing the national university system

服务使命 服务创新型国家建设

服务深圳现代化国际化创新型城市建设

**改革使命** 成为中国高教改革的一面旗帜、多元化办高水平研究型大学的试验田

为教育体制改革与现代大学制度建设作示范

#### **GOAL**

目标

01 02

03

04

To be a world-class research university

建成国际化高水平 研究型大学 To cultivate outstanding and innovative talents

培养拔尖创新人才

To achieve internationally excellent research outcomes

创造国际一流学术成果

To support the sustainable development of Shenzhen, Guangdong and the whole country by advancing knowledge and promoting the application of science and technology

推动科技应用,支撑国家、广东及深圳可持续发展

#### **ABOUT SUSTech**

#### 学校简介



Against the backdrop of China's extensive higher education reform, Southern University of Science and Technology (SUSTech) was established and funded by Shenzhen Municipality with a commitment to pilot higher education reform, experiment on systemic institutional changes, promote innovation in education, and serve the national and local development. Currently, Yurong Guo serves as Chairperson of the University Council. Prof. Shiyi Chen, an internationally renowned scholar in the field of fluid mechanics, is President of the University.

In April 2012, the Ministry of Education approved the establishment of SUSTech and designated the university as a pilot university for the cultivation of innovative talents and a testing ground for a comprehensive reform in higher education to modernize the national university system.

In alignment with the excellent practices at world-class universities of its kind, SUSTech will focus the academic programs on sciences and engineering with complementary programs selected in medical science, humanities, and social sciences. SUSTech will offer baccalaureate, master and doctoral degree programs, promote research in frontier disciplinary areas, and serve as a think tank for social development and sources of original knowledge and new technology.

Striving to become a top-tier international university that excels in research, in cultivation of innovative talents and in social services for sustainable development, SUSTech has adopted a three-stage strategic development plan.

Stage I (2016-2020) will lay down a solid foundation for long

term development. In accordance with international standards, the university will outline the disciplinary structure, establish academic programs, build the faculty body, design teaching and advising mechanisms, install modern management and supporting systems, and implement social service systems. By 2020, several featured disciplines should reach the top level domestically.

Stage II (2021-2025) will witness rapid development. Disciplinary clusters will emerge, led by internationally renowned scholars. The education function is well supported by an integrated talent cultivation system, and the quality of education is significantly improved and widely recognized by the public. The trilogy of research, education and industry is expected to generate cutting edge research outcomes, entrepreneurship and social services. SUSTech becomes a leading university with unique features in China.

**Stage III** (2026-2049) will anticipate development on all fronts. SUSTech strives to become a leading international university.

In the future, SUSTech will continue to carry forward the founding spirit of "being bold and experimental, truthful and realistic, reformative and innovative, competitive and excellent" with emphasis on education, research and services so as to achieve its goals on a global scale.



Building SUSTech into an international, worldclass university with Chinese characteristics is our unwavering goal. We have the courage, capability, confidence and determination to develop SUSTech, located at the frontier of innovation, into the most attractive university for academics and the most inspiring university for students around the world.

#### ——Yurong Guo, Chairperson of University Council, SUSTech

把南科大办成国际化、高水平、中国特色、世界一流的大学是我们坚定的目标。凭着独特的创新魄力和实干精神,我们一定能在改革开放的深圳,把南方科技大学建设成为汇聚海内外优秀人才的高地,建设成为全国学子向往的魅力学府。

——南方科技大学党委书记 郭雨蓉



SUSTech was founded with the mission to reform. That is the spirit we carry on today. We synchronize change and creation, and spur development with innovation. Following the guidelines of international standards, frontier disciplines, entrepreneurship and innovation, SUSTech will stand out with distinctive characteristics.

#### ----Shiyi Chen, President of SUSTech

南科大是伴随着改革使命而诞生的,今天,改革依然是南科大的使命与追求。我们要改革与创建同步,发展与创新同行,以"国际标准、前沿学科、创新创业"为导向,形成鲜明特色。

——南方科技大学校长 陈十一

南方科技大学(简称"南科大")是深圳在中国高等教育改革发展的宏观背景下,举全市之力创建的一所高起点、高定位的高等学校,它肩负着为我国高等教育改革发挥先导和示范作用的使命,并致力于服务创新型国家建设和深圳创新型城市建设。郭雨蓉为现任党委书记,陈十一为现任校长。

南科大被确定为国家高等教育综合改革试验校。2012年4月,教育部同意建校,并赋予学校探索具有中国特色的现代大学制度、探索创新人才培养模式的重大使命。

学校将借鉴世界一流理工科大学的学科设置和办学模式,以理学、工学学科为主,兼具医科和特色人文社会科学,在本科、硕士、博士层次办学,在一系列新的学科方向上开展研究,使学校成为引领社会发展的思想库和新知识、新技术的源泉。

南科大的办学目标是快速建成国际化高水平研究型大学,成为聚集和培养拔尖创新人才的学府以及创造国际一流学术成果、推动科技应用、支撑深圳可持续发展的平台。学校将分三个阶段实现办学目标。未来五年(2016-2020)为创建学科、夯实基础阶段,学校将按照国际一流标准建立学科,遵循高等教育规律,大胆创新,先行先试,初步构建完成具有南科大特色的学科体系、人才体系、教育教学体系、现代大学的管理体系、支撑保障体系和社会服务体系,在一些特色学科上达到国内先进水平。第二阶段(2021-2025)为快速发展阶段,学校将形成由国际高端人才领衔的学科团队;形成比较完善的人才培养体系和机制,人才培养质量显著提升,社会对人才培养质量的认可度显著提高;形成以学术前沿研究成果、创新创业和服务社会为核心的产学研体系,力争使南科大成为有自己特点的、中国最好的大学之一。第三阶段(2026-2049年)为沉淀积累、全面发展阶段,学校将力争成为世界上最好的大学之一。

南科大将发扬"敢闯敢试、求真务实、改革创新、追求卓越"的创校精神,突出"创知、创新、创业"(Research, Innovation and Entrepreneurship)的办学特色,大力培养创新人才,早日实现建成国际化高水平研究型大学、建成中国重大科学技术研究与拔尖创新人才培养重要基地的办学目标。

#### ACADEMIC PROGRAMS

#### 学科专业



With the aim of becoming a top-tier research university, by learning from best practice at world-class universities and driven by the needs of the development of the newly-emerged industries both in the country and in the Pearl River Delta region, SUSTech focuses on sciences and engineering, complemented by selected programs in medical science, humanities, and social sciences. By conducting research on a series of new areas of study, SUSTech takes a leading role as a think tank in social development as well as being a source of new knowledge and new technology. Currently, SUSTech has 17 undergraduate programs, including physics, chemistry, biological sciences, biotechnology, bioinformatics, biomedical engineering, communications engineering, microelectronics and engineering, optoelectronic information science and engineering, materials science and engineering, financial mathematics, and finance. In the next five years, SUSTech will gradually establish seven schools in sciences, engineering, life and health sciences, medical science, business, humanities and social sciences, innovation and entrepreneurship. Each school will consist of several departments. About 26 research centers will be established focusing on interdisciplinary studies.

南方科技大学根据国际化高水平研究型大学的办学定位和目标,借鉴世界一流理工大学的学科设置和办学模式,面向国家和珠三角地区战略性新兴产业发展的重大需求,以理学、工学学科为主,兼具医科和特色人文社会学科,在一系列新的学科方向上开展研究,使学校成为引领社会发展的思想库和新知识、新技术的源泉。目前,学校已开设物理学、化学、生物科学、生物技术、生物信息学、生物医学工程、通信工程、微电子科学与工程、光电子科学与工程、材料科学与工程、金融数学、金融学等17个本科专业。未来,学校将分步成立理学、工学、生命与健康、医学、商学等学院,每个学院下设若干个系,通过跨学科的交叉,建设26个研究中心。

SUSTech has established academic programs in sciences and engineering, and emphasizes emerging and interdisciplinary disciplines such as electronic information, biology, new materials, environmental conservation and green energies. Currently, SUSTech has 13 departments.

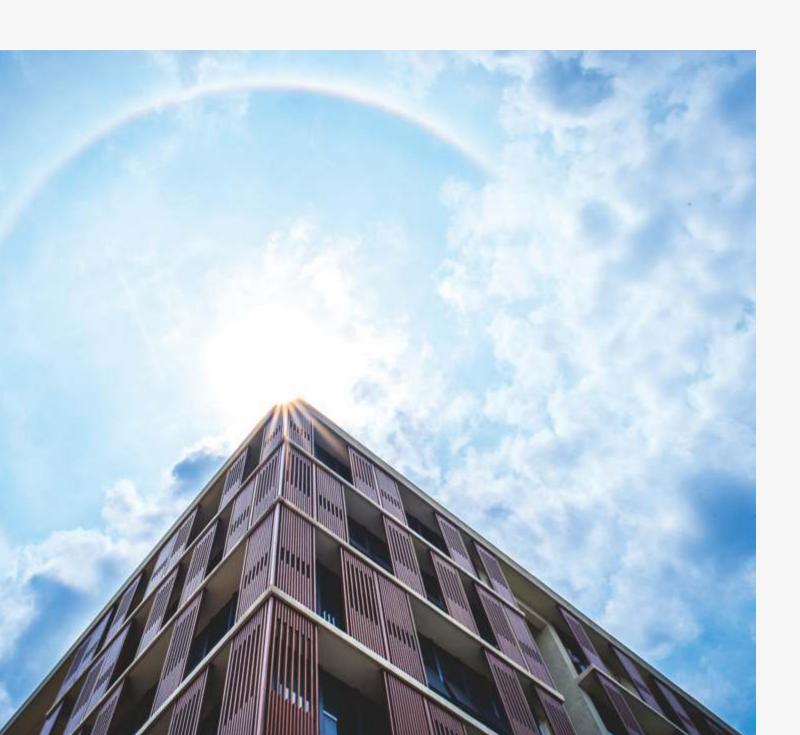
南方科技大学以理工科为主,目前设置13个系。 学校重点发展电子信息、生物、新材料、环保、新能源等新兴学科和交叉学科。

NO.	DEPARTMENT	PROGRAM	序号	系	专业
1	Mathematics	Financial Mathematics	1	数学系	金融数学
		Pure and Applied Mathematics			数学与应用数学
0	Physics	Physics	2	物理系	物理学
2	Physics	Applied Physics			应用物理学
3	Chemistry	Chemistry	3	化学系	化学
		Biological Sciences	4	4 生物系	生物科学
4	Biology	Biotechnology			生物技术
		Bioinformatics			生物信息学
	Electrical and Electronic Engineering	Communication Engineering		电子与电气工程系	通信工程
5		Microelectronics Science and Engineering	_		微电子科学与工程
		Opto-electronic Information Science and Engineering	5		光电信息科学与工程
		Information Engineering			信息工程
6	Materials Science and Engineering	Materials Science and Engineering	6	材料科学与工程系	材料科学与工程
7	Finance	Finance	7	金融系	金融学
8	School of Environmental Science and Engineering	Environmental Science and Engineering	8	环境科学与工程学院	环境科学与工程
9	Ocean Science and Engineering		9	海洋科学与工程系	
10	Mechanics and Aeronautics and Astronautics			力学与航空航天工程系	
11	Mechanical and Energy Engineering		11	机械与能源工程系	
12	Computer Science and Engineering	Computer Science and Technology	12	计算机科学与工程系	计算机科学与技术
13	Biomedical Engineering	Biomedical Engineering	13	生物医学工程系	生物医学工程

#### RESEARCH CENTERS

#### 科研基地

In the first phase, SUSTech plans to establish 26 research centers. The university plans to complete the construction of about 20 research centers by 2020 with two to three built every year, forming a high-level basic research and applied basic research platform. The 26 centers are:



南方科技大学初步规划建设26个研究中心,

其中,4个研究中心作为首批项目已经启动建设,其它研究中心陆续开建。

计划每年建设2-3个,到2020年建设20个左右,构建高水平基础研究和应用基础研究平台。

NO. RESEARCH CENTER  Center for Micro/Nano-Scale Science and Technology						
Science and Technology						
	Science and Technology					
Center for Material Manipulation and Application						
Advanced Electronics and Information Technology Research Center	Technology Research Center					
Center for Robotics and Artificial Intelligence						
Advanced Manufacturing Research Center						
6 Institute of Marine studies						
7 Institute of Aeronautics and Astronautics	5					
8 Environment and Resources Utilization Research Center						
9 New Energy Research Center						
10 Future City Research Center						
11 Industrial Design and Creative Arts Cente	r					
12 Life Science Research Center						
Biomedicine and Bio-Engineering Research Center						
14 Center for Neuro and Cognitive Sciences	;					
15 Institute of Public Health						
16 Animal Center						
Big Date and Large-Scale Computational Research Center						
Functional Molecules Science & Engineerir Research Center	ng					
Center for Picoscale Fundamental and Applied Research						
20 Soft Materials Research Center						
21 Financial Innovation Research Center						
22 Higher Education Research Center						
Materials Characterization & preparation Center						
Nutrition and Aging Research Center						
25 Neutron Science Center						
Neutron Science Center						

序号	研究中心名称			
	微纳尺度科学和工程研究中心			
2	材料性质调控及应用研究中心			
3	先进电子与信息技术研究中心			
4	机器人与人工智能研究中心			
5	先进制造研究中心			
6	海洋研究院			
7	航空航天研究院			
8	环境与资源综合利用研究中心			
9	新能源研究中心			
10	未来城市研究中心			
11	工业设计与艺术创意中心			
12	生命科学研究中心			
13	生物医药与工程研究中心			
14	神经与认知科学研究中心			
15	健康与公共卫生研究院			
16	动物中心			
17	大数据与大规模计算中心			
18	功能分子工程研究中心			
19	皮米尺度上的基础和应用研究中心			
20	软物质研究中心			
21	金融创新研究中心			
22	高等教育研究中心			
23	检测中心			
24	营养与衰老研究中心			
25	中子科学中心			
26	先进光子学研究中心			

#### **FACULTY** 师资力量



By November 2016, 330 faculty members were recruited by SUSTech. Over 90% are recruited from overseas, and more than 60% have either worked or obtained degrees from the world's top 100 universities. Among the faculty body are 14 CAS academicians, 34 recipients of the "Thousand Talents Program", 12 Changjiang Scholars, 12 recipients of "The National Science Fund for Distinguished Young Scholars", 46 recipients of the "Thousand Young Talents Program", 147 awardees of Shenzhen Talent Peacock Plan.

截至2016年11月,南方科技大学已签约引进教师约330人,其中90%以上拥有海外工作经验,60%以上 具有在世界排名前100名大学工作或学习的经历。其中包括院士14人,国家"干人计划"入选者34人、教 育部"长江学者"12人,"国家自然科学基金杰出青年基金"获得者12人,"青年千人计划"入选者 46人,深圳市"孔雀计划"147人。

#### **Faculty Structure**

师资构成



100% hold PhD degrees 博士学位



90% have worked overseas

具有海外工作经验





**††** 30%

60% are from the top 100 universities in the world 来自世界排名前100大学

About 30% are recipients of **Thousand Talents Program and Thousand Young Talents Program** 

干人计划和青年干人计划

In November, 2015, Prof. Robert H. Grubbs, the winner of Nobel Prize in Chemistry in 2005, became the Chairman of the Academic Advisory Board of the Department of Chemistry. Prof. Grubbs will establish the Grubbs Institute at SUSTech.

2015年11月,诺贝尔化学奖获得者Robert H. Grubbs教授受聘成为化学系学术顾问委员会主席,并将在南科大建立Grubbs Institute。

SUSTech has formed a first-class faculty body with a high international profile. 南方科技大学初步建成了一支国际化高水平的教师队伍。





# UNDERGRADUATE EDUCA:

SUSTech is committed to the cultivation of outstanding and innovative talents. In fall 2016, the undergraduate enrollment had reached close to 3,000 students, including the first seven international students. The first batch of graduate students admitted to SUSTech was enrolled in 2015. By 2020, SUSTech will have 4,000 undergraduate students and 4,000 graduate students. As proof of the quality of SUSTech education, 79% of the first cohort of SUSTech graduates has been admitted into PhD programs by world-class universities abroad.

Fulfilling the requirements for a bachelor's degree at SUSTech normally takes four years. The 2+2 educational model means two years of foundation courses focused on general education in a multitude of disciplines followed, by two years of studies in a specialized area. Student don not declare a major until the end of their second year. In promoting active learning, SUSTech engages students in in-class learning, in-laboratory training and scientific research.

SUSTech operates a residential college (RC) system. Central to the whole-person education at SUSTech, the RC offers a variety of extracurricular activities to nurture student development in cognitive, emotional and social skills. The RC is a community wherein faculty members and students communicate freely and frequently.

Each RC has its own culture, activities, informal courses, consultative services and interesting clubs. Each freshman is invited to join a RC. Different RCs develop distinctive characteristics, e.g. emphasis on music, arts, sports, language, etc. Through the RCs, each student signs up for a faculty advisor to receive mentoring through the undergraduate years.

Currently, there are six RCs, which are Zhiren College, Shuren College, Zhicheng College, Shude College, Zhixin College, and Shuli College.

南方科技大学致力于培养拔尖创新人才。2016年9月在校本科生近3000人,其中包括首次招收的7名留学生。2015年首批研究生入校学习。未来,进入稳定办学阶段,学校将有在校生8000人,其中本科生4000人,研究生4000人。首届毕业生中79%被世界名校录取,绝大多数进入博士专业学习,体现出学校人才培养的品质。

本科采取四学年制,实行"2+2"培养模式,学生前两年不分专业,集中学习基础核心课程,后两年根据个人兴趣和特长自选专业。大力提倡启发式教学、互动式教学,本科生参与科研。

学生采用书院制管理。书院是学校全面教育的核心组成部分,致力于促进学生在认知、情感、社会性等方面的多维度成长,在课堂之外为学生提供全方位的学习和丰富的兴趣活动。

各书院有自己的文化、活动和非正式的教育课程、辅导咨询、兴趣 社团。新入学的学生可根据各书院的特点,选择加入一个书院。书 院为每位学生分配一位全职教授作其导师,为学生的大学学习、生 活提供咨询和指导。

目前,南方科技大学设立6个书院,分别为致仁书院、树仁书院、致诚书院、树德书院、致新书院、树礼书院。

#### **COURSE STRUCTURE**

#### 课程结构

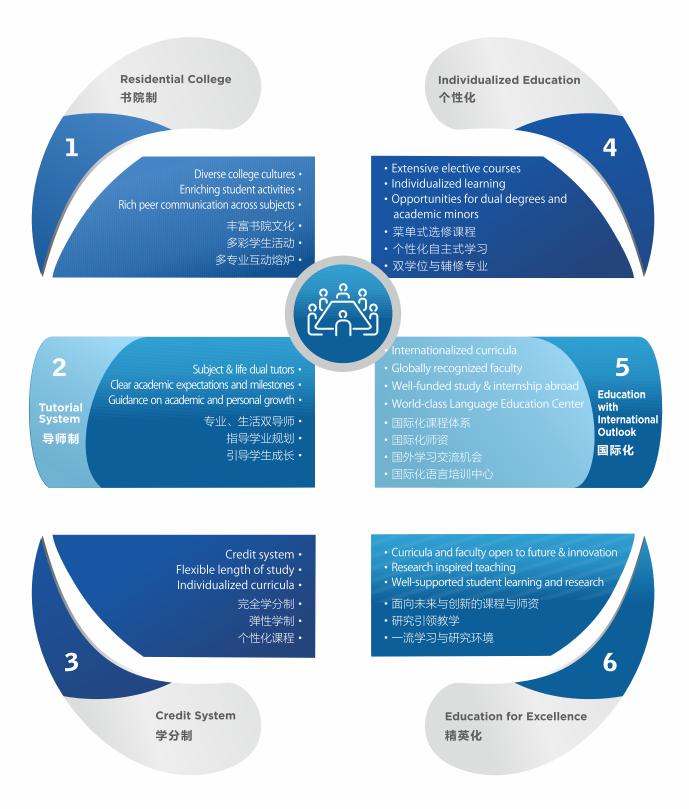
Internationalized curriculum synchronized A wide range of courses with that of the world's top universities 宽口径 专业建设采用国际化标准 Curriculum with breadth and depth 教学内容与国际一流大学同步 General education in the first two years 前2年的通识素质教育 English as an instructional language 专业教学使用英文原版教材 双语/全英文授课 Graduate design and research projec 毕业设计与科技创新 **Courses for** Integration of general education general education Elective courses and subject learning 专业选修课 通识通修必修课: Courses for genera 专业课程与通识通修课相互融合 **Core courses** Mathematics, Physics, Chemistry, 专业核心课 Biology, English, Course in arts, Foundational humanities and social sciences Student-centered innovation and 数学、物理、化学、生物、英语、 entrepreneurship training and projects 专业基础课 人文素养等基础课程 专业课程与创新创业项目 Focus on lab practice and internship **Elective Course for General Education** 通识通修选修课 重视实验/实践教学 Module of science and technology 自然科学与工程类模块 Early participation in research supported by faculty supervisors Module of social sciences, culture, and world civilization 入学即可入导师实验室参与科研 社会、文化与人类文明类模块 Module of literature, history, Grants available for students' overseas Chinese culture and classics internship, study and exchanges 文史经典与中华文化传承类模块 学校资助学生海外实习实践及各类交流

Module of aesthetics and arts

艺术与美学类模块

#### **EDUCATIONAL MODE**

#### 教育方式





## INNOVATION AND ENTREPRENEURSHIP EDUCATION

#### 创新创业教育

Providing SUSTech -sponsored "innovation and entrepreneurship" programs.

Online courses on innovation and entrepreneurship synchronized with those at the world's top universities. Tutor guided entrepreneurial practice.

Hands-on experience in the SUSTech Student Workshop.

资助大学生创新创业项目 引进国际一流大学的创新创业线上课程 导师全面指导学生创新创业实践 建立南科大学生创新创业工作坊





#### RESEARCH

#### 科学研究

Research is the pillar supporting SUSTech's education and university development. SUSTech has undertaken 267 research projects ranging from state, provincial, to city levels. SUSTech faculty has published 823 academic works and journal papers in the past three years.

科研是支撑高质量人才培养和高水平学科建设的基础,学校从2012年开始申请科技计划项目以来,短短三年,已承担国家、省、市科技计划项目共计267项,教师出版著作、发表论文共计823篇。





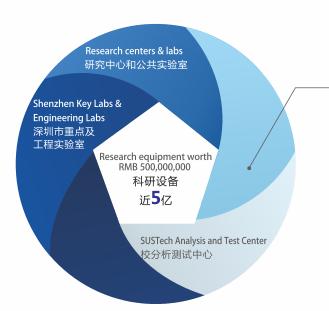






#### Research Platforms

#### 科研平台



Research centers, laboratories and other research platforms are the core of the academic system of the University. Extensive financial support from SUSTech and Shenzhen Municipal Government has been provided.

实验室、研究中心等科研平台建设在学校学 术系统中居于核心地位,得到学校和政府巨 大的财力支持。

#### **Research Projects**

#### 科研项目

■ In 2015, 85 SUSTech researchers submitted 94 research project applications for funds from the National Natural Science Foundation of China. 34 have been accepted to receive RMB 15,440,000 in total. 学校85名科研人员2015年申请国家自然科学基金各类项目94项,批准34项,资助直接经费1544万元。



SUSTech ranks No. 62 among the top 100 world leading institutions for high-quality science and No.3 in terms of the percentage change in WFC from 2012 to 2015 in the Nature Index 2016 Rising Stars recently released by Nature Supplement.

近日,《自然》增刊"自然指数2016新星榜"出炉,在全球100家高质量科研论文增长最显著的国家和机构中,南科大排名全球第62位,增速居全球第3位。

#### Academic conferences held by SUSTech 多次承办大型学术会议







#### Integration of Research, Teaching & Technology Transfer

明确产学研政策导向

Professors and researchers are encouraged to offer service to industry with supportive policies. 12 enterprises are in place and a further ten ones are in the process of registration.

允许教授每周一天在校外做科技服务,建立优惠的政策支持研究人员做技术转化。目前,已建立12家企业, 10家在注册中。

#### Abundant Space for Innovation and Entrepreneurship

提供宽裕的创新创业空间

The Construction of 150,000 m<sup>2</sup> has been reserved for faculty and students as the university innovation and entrepreneurship zone.

开辟筹建过程中保留的15万平方米的厂房,用作师生进行产学研的大学科技园。

#### SUSTech Innovation & Entrepreneurship Centre

#### 成立南科大创新创业中心

SUSTech is constructing its international Maker Base to promote innovation and entrepreneurship-related teaching, research, and international cooperation.

创建国际创客基地,全面开展创新创业方面的教学、科研、实践及国际合作。

#### STUDENTS 学子风采







**a** Jiale Wang, who graduated at the age of 17, is studying for a PhD at University of Oxford.

提前半年毕业并顺利进入牛津大学 攻读博士学位的王嘉乐年仅17岁

**b** Xiao Tong, awarded a full scholarship, is studying for a PhD at California Institute.

通晓获加州理工学院录取攻读博士学 位,并获得全额奖学金

Zishan Wu is pursuing her PhD at Yale University with a \$360,000 scholarship.

吴子珊攻读美国耶鲁大学博士学位, 获得五年共计36万美元的全额奖学金

#### Graduates

毕业生

In July 2014, Jiale Wang was admitted to Materials Science and Engineering Department, University of Oxford, and Minghao He was admitted to University College London. 79% of the first cohort of SUSTech graduates has been admitted into PhD programs by world-class universities abroad.

2014年7月,首届学生王嘉乐和何明浩提前半年毕业。王嘉乐被英国牛津大学材料科学与工程系录取,何明浩被英国伦敦大学学院录取。首届毕业生中79%被世界名校录取,绝大多数进入博士专业学习。

#### Undergraduate Research

学生科研

- Accepted by IEEE International Conference. IEEE计算机科学与自动工程国际会议收录南科大本科生论文
- Published in PLOS ONE. 国际学术期刊 PLOS one 刊发南科大本科生论文
- Presented at ICEPT 2015.
  南科大本科生参加电子封装技术国际会议并作口头报告

# Number of published papers by undergraduates

学生学术论文 发表数量(单位:篇)



#### **Student Awards**

学生获奖

- SUSTech student team participated in the International Mathematics Contest and won prizes, representing China for the first time. 代表中国大学生首次参加大学生国际数学竞赛并全部获奖
- SUSTech student team won three successive championships in the International Genetically Engineered Machine Competition (iGEM).

  国际基因工程机器大赛连续三年夺得金牌
- SUSTech students won the gold prize in the 5<sup>th</sup> University Physics Competition in the US. 第五届美国大学物理竞赛获金奖
- SUSTech students won first prize in the national university students mathematics modeling contest.
   全国大学生数学建模竞赛获一等奖
- SUSTech students won first prize in the China University Financial Elite Contest. 全国大学生金融精英挑战赛获一等奖
- SUSTech student won the Grand Prize in National Undergraduate Financial Futures and Derivatives Knowledge Contest. "中金所杯"全国高校大学生金融知识竞赛获 特等奖







#### **CAMPUS LIFE**

#### 校园生活



#### **Academic Culture**

学术文化

SUSTech students communicate face to face with Nobel Laureates, experts and scholars, and attend seminars, lectures and forums, frequently organized on campus.

以"南科大讲堂"为代表的高端学术讲座、论坛、研讨会密集举行,让诺奖得主、中外院士与学子面对面深入 交流,此外,南科大大力提倡理论与实践相结合的学习,设立专项学生学术研究支撑计划。



#### **Social Activities**

社会实践

As a pioneer and innovator in China's higher education, we help students to develop responsibility and independence through various activities.

南科大肩负着中国高等教育改革创新的使命,学生的责任感教育培养成为重要元素,学生们充分珍惜实践学习机会,深入基层,了解社会,体验生活,开展社会调研活动。





#### **Sports**

体育文化

■ SUSTech is the most exciting and vibrant place to live with its sports culture and numerous facilities.

"崇尚运动,乐于竞争"是南科大的体育育人精神写照,学校一期工程中已经建立完善的足球、篮球、网球、游泳等完善设施,学校体育中心努力使学校在体育教学、群体活动、竞技体育、体育科研、师资队伍、场馆设施六个方面跻身于国际一流高水平大学行列。

#### Dining 食在南科







#### STUDENT CLUB ACTIVITIES

#### 社团活动

Students at SUSTech organized many clubs such as the Literature Club, Hip Hop Club, Reading Club, Sit-Com Society, Guitar Club, Calligraphy Society and Voice-Dubbing Society. Through extra-curricular activities, students from different programs and disciplines interact with each other and share living and learning experiences.

Currently, there are 79 clubs, in fields of technological innovation, public service activities, literature and art etc., including 12 clubs for academic skills, 61 clubs for art and sports, 3 clubs for innovation and entrepreneurship, and 2 clubs for volunteer social work.

学生们自发组织了多姿多彩的社团,如文学社、街舞社、书友会、情景喜剧社、吉他社、书法社和广播社等。社团生活让不同学科专业的学生在知识、思想、情感、文化、信息等方面相互交融、影响和提高,开阔了学生的视野和胸襟,提升了学生文化素质和修养。

现有学生社团79个,覆盖科技创新、实践公益、文艺体育等活动方向,其中学术科技类12个,文化体育类61个,创新创业类3个,志愿公益类2个。

#### Arts

艺术校园

#### **SUPPORT**

#### 支持保障

Human Resource practice of SUSTech follows international standards and uses the tenure system. SUSTech offers a competitive salary package, faculty housing on campus, ample laboratory space, generous start-up funding, and modern teaching facilities. This is a place where the faculty can realize their dreams.

南方科技大学人才选聘方式与国际接轨,师资管理采用国际研究型大学通用的终身制序列。学校为教师提供优厚的薪酬待遇,配套齐全的安居套房,充足的实验室空间,充裕的科研启动经费,以及教学、科研、生活方面的诸多便利,让教师有施展才华、实现抱负的平台,有安居乐业的坚实保障。



#### INTERNATIONAL COLLABORATION

#### 合作交流

#### Overseas Partners

#### 海外合作伙伴

#### North America 北美洲

01 Columbia University 哥伦比亚大学

02 University of California, Los Angeles 加州大学洛杉矶分校

03 Johns Hopkins University 约翰霍普金斯大学

04 University of Michigan 密歇根大学

05 University of British Columbia 英属哥伦比亚大学

06 University of California, Irvine 加州大学欧文分校

07 Georgia Institute of Technology 佐治亚理工学院

08 Stony Brook University 纽约州立大学石溪分校

#### Europe 欧洲

09 University of Copenhagen 哥本哈根大学

10 Friedrich-Alexander-Universität Erlangen-Nürnberg 埃尔朗根·纽伦堡大学

#### United Kingdom 英国

- 11 University of Edinburgh 爱丁堡大学
- 12 University of Birmingham 伯明翰大学
- 13 University of Leeds 利兹大学
- 14 University of Warwick 华威大学
- 15 University of East Anglia 东英吉利大学

#### Asia Pacific 亚太地区

16 University of Sydney 悉尼大学

- 17 National University of Singapore 新加坡国立大学
- 18 University of Queensland 昆士兰大学
- 19 University of Hong Kong 香港大学
- 20 Hong Kong University of Science and Technology 香港科技大学 (Incomplete list) 不完全统计



On July 19, 2016, SUSTech signed an agreement with Johns Hopkins University to jointly prepare for a high-quality medical school that meets international standards.

2016年7月19日,南方科技大学 与约翰霍普金斯大学签订合作协 议,联合筹备国际化高水平医学院。

#### First-class Center for Language Education

国际一流语言中心

A noted linguist with wide-ranging expertise in English language training and university management as the director of the center 国际一流语言专家担任语言中心主任

All teachers with graduate degrees from or work experience at world class universities. 英文教师全部具有国外一流大学学习经历

Advanced language training system. 国际一流英文培训体系

#### Joint Graduate Programs with Overseas Universities

南科大 —— 境外大学研究生联合培养项目























On June 8, 2016, UNESCO International Center for Higher Education Innovation was launched at SUSTech, Shenzhen.

2016年6月8日,联合国教科文组织高等教育创新中心在深圳揭牌,落户南科大。



On October 13, 2016, SUSTech President Shiyi Chen met with Rice University President David Leebron, who was elected as the Chairman for the Association of American Universities (AAU) on October 25.

2016年10月13日,校领导会见莱斯大学校长 David Leebron一行。



On August 11, 2016, President Shiyi Chen signed a Doctoral Training Agreement and Memorandum of Cooperation between SUSTech and University of East Anglia with UEA Vice-Chancellor David Richardson.

2016年8月11日,陈十一校长与东英吉利大学校 长David Richardson共同签署《南方科技大学 ——东英吉利大学博士生联合培养协议》、《南 方科技大学——东英吉利大学合作备忘录》。

SUSTech has established its international platform for academic exchange and cooperation. The International Center for Higher Education Innovation at SUSTech was approved as a UNESCO Category 2 Institute in 2015. SUSTech, in association with 9 higher education institutions, initiated the Shenzhen International Friendship-City University League (SIFCUL), which has attracted 28 universities from 13 countries. In addition, SUSTech has signed MOUs or agreements with more than 20 world class universities for joint programs, and cooperation in education and research. In this frame, students have opportunities to enrich their learning experience by studying at the University of British Columbia (Canada), the University of Edinburgh (UK), Georgia Institute of Technology (US), Columbia University (US), Temple University (US), University of Queensland (AU) and other universities via student exchange programs, academic exchanges, summer schools, internship, and other cooperation projects. SUSTech also offers Overseas Scholarships to enable all its students to avail of an opportunity for overseas experience within the time of their study at SUSTech.

南科大初步建成国际交流的平台。深圳市政府已与联合国教科文组织签约,在学校设立联合国教科文组织二类机构高等教育创新中心。学校倡议并会同其他9所高校成立了深圳国际友好城市大学联盟,已有13国28所高校加盟。同时,已与20多所境外知名大学在人才培养、教学科研等方面达成合作意向或签署合作协议,设有10多个境外学习交流项目,学生通过联合培养、学期交换、短期交流、暑期实习等方式,前往英属哥伦比亚大学(加拿大)、爱丁堡大学(英国)、佐治亚理工学院(美国)、哥伦比亚大学(美国)、天普大学(美国)、昆士兰大学(澳大利亚)等海外高校学习。南科大设立境外留学奖学金计划,争取让每一名本科生都有机会出境或出国学习交流。



On December 15, 2015, President Shiyi Chen met with University of Chicago President Robert Zimmer.

2015年12月15日,陈十一校长在香港会见了美国芝加哥大学校长并进行座谈。



On August 8, 2016, SUSTech delegation had afternoon tea with Vice-Chancellor & President Stuart Croft of the University of Warwick.

2016年8月8日,陈十一校长一行与华威 大学校长Stuart Croft等举行下午茶会谈。



On September 24, 2015, 10 SUSTech exchange students at Temple University participated in the Chinese gathering to welcome the visit of President Jinping Xi to the U.S.

2015年9月24日,10名在天普大学访学的学生与来自美国各地的华人一起欢迎访美的习近平主席。

On October 15, 2016, MOU Signing Ceremony between SUSTech, the University of Michigan and Beijing Institute for Collaborative Innovation.

2016年10月15日,南科大与北京协同创新研究院、密歇根大学签署合作协议,共建先进制造国际协同实验室。



On October 12, 2016, SUSTech hosted the two-day visit by University of Queensland scholars in Engineering and Brain Science led by UQ President Peter Høj.

2016年10月12日,澳大利亚昆士兰大学校长Peter Høj率领脑科学研究院以及工程、建筑与信息技术学院代表团来校访问。





During the summer of 2015, 15 students of SUSTech went to the University of British Columbia (UBC) to attend a four-week academic program.

2015年夏天,15名同学在英属哥伦比亚大学完成了为期四周的暑期课程学习。

#### INNOVATION 体制创新

SUSTech has established a modern governance system with Chinese characteristics. The university is led by the President under the auspices of the Council, with full faculty participation in the governance of academic affairs. In May 2011, the Shenzhen Municipal Government issued the Temporary SUSTech Ordinance, which, under the "one law for one institution" principle, guarantees the university's right to manage its own affairs through the rule of law and ensures full academic freedom.

The University Council is comprised of government representatives, the University President and faculty representatives, and members of the public. The university also has an external Presidential Advisory Committee to advise the President on long-term strategy and development. The first committee includes five internationally-renowned academic scholars, four of whom are members of the US National Academy of Engineering: Professor Henry Yang of UC Santa Barbara; Professor Chih-Ming Ho and Professor Xiang Zhang of UC Berkeley; Professor Gang Chen of MIT; and Professor Yu-Chong Tai of Caltech.

The University has also established the SUSTech Education Foundation to raise funds for operations and research. In 2014, SUSTech signed a cooperation agreement with Amer International Group which is a "Fortune 500" corporation, and established the "SUSTech-Amer Investment Fund" of RMB 1 billion. In 2016, Baoneng Group donated RMB 100 Million into SUSTech Education Foundation, and CheerLand Investment Group donated RMB 110 Million.

南方科技大学探索建立具有中国特色的现代大学制度,遵循理事会治理、教授治学、学术自治原则,实行党委领导下的校长负责制。2011年5月,深圳市政府发布《南方科技大学管理暂行办法》,以"一校一法"形式保障南方科技大学依法自主办学。

学校设理事会、党委会、校长、校务委员会和校学术委员会,建立教授会和顾问委员会。理事会是学校决策机构,由政府代表、校长、管理团队和教职工代表以及社会知名人士等组成。顾问委员会作为咨询机构,聘请国际一流学者担任委员,为学校发展出谋划策。首届顾问委员会委员包括5位国际学术权威——美国国家工程院院士: UCSB杨祖佑教授、UCLA何志明教授、MIT陈刚教授和UCB张翔教授,以及Caltech戴聿昌教授。

学校设立教育基金会,接收社会捐赠用于办学和科研。2014年,与世界500强企业正威国际集团签署战略合作框架协议,并成立"南科大正威产业投资基金",资金规模10亿元。2016年,先后获得宝能集团1亿元、乐土投资集团1.1亿元人民币捐款。



#### **GREEN CAMPUS**

#### 绿色校园

The campus of SUSTech is located in the Nanshan District of Shenzhen, covering an area of 1,943,800m<sup>2</sup>. The total construction area is more than 640,000m<sup>2</sup> planned to be completed in two phases.

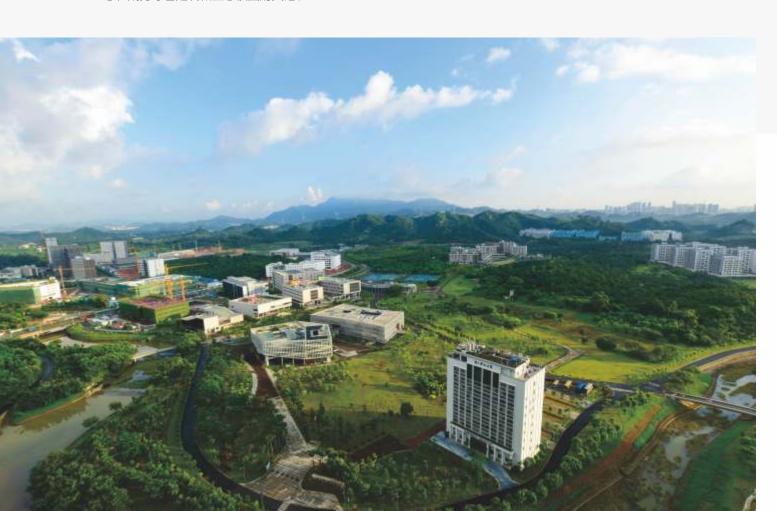
The total Phase I space which comprises 32 buildings and complementary facilities is 202,600 m², a capacity sufficient for 2,100 students with functions in teaching, research, administration, recreation and residential life. Phase II and the rest of Phase I are about 438,000m² planned to be completed in 2016-2018. Upon completion, the campus of SUSTech will meet the needs of 8,000 students.

The new campus enjoys convenient transportation in a natural, tranquil environment. The buildings are practical in use and modern in style. The architecture accommodates requirements of teaching, research and management, and conveys notions of energy conservation and eco-friendliness.

南方科技大学位于深圳市南山区,校园占地面积194.38万平方米,规划总建筑面积约64万平方米,分两期建设。

首期工程32栋主体建筑及配套工程建筑面积共20.26万平方米,包含教学、科研、办公、体育、生活等各种功能建筑及设施,可满足2100名在校生办学规模的建筑需求。校园拟建工程规划建筑面积约43.8万平方米(含一期续建和二期工程),计划2016-2018年陆续投入使用,届时将可满足8000在校生的办学需求。

新校园环境优美、交通便利,校园内九山一水,风景如画。建筑彰显"厚重、节能、实用、环保"理念,成为绿色建筑和生态校园的典范。





## PHASE || CAMPUS DEVELOPMENT 二期规划

The campus of SUSTech sits on a scenic stretch of land with winding creeks and tree-lined hills in the Nanshan District of Shenzhen. The phase II of campus development will be built with a total area  $376.987m^2$ .

南方科技大学二期校园设计以"国际智慧门户、生态人文校园"为目标,旨在使南科大成为深圳对接国际前沿的学院节点,并在环境上形成独特的人文场所。

二期项目建筑功能包括教室、实验室、图书馆、食堂及专职科研用房、学生宿舍等,总建筑面积37.6987万平方米。目前校园二期规划方案已经定稿。

#### **ACADEMICS**

院系设置







Officially founded in June 2015, the Department of Mathematics aims to conduct cutting-edge research in mathematics and its applications, and to train a new generation of students with competitive mathematical skills, a strong sense of innovation and discovery, and real life problem solving capabilities.

Expected to grow rapidly, the department now has 31 faculty members, whose research interests range from pure mathematics, to computational mathematics, applied mathematics, probability and statistics, financial mathematics, and to mathematical biology. Among the faculty are top researchers in their fields, as well as experienced teachers who are dedicated to undergraduate and graduate education. The department provides not only facilities such as brand new computer labs, but also a friendly environment in which faculty members and students interact closely. It offers scholarship, financial aid and research funds to students.

数学系于2015年6月正式成立,是南方科技大学2015年新成立的重点院系。数学系的成立对于学校发展起着举足轻重的作用,为学校各个专业提供数学支持,同时为国家培养一批具有良好的数学基础、较强的创新意识和能力、优良的综合素质、有潜力成为领军人才的青年学子。

数学系共有专任教师31人,其中讲座教授5名,教授7

名,访问教授1名,副教授1名,助理教授5名,访问助理教授4名,教学系列人员8名;其中长江学者2名(汤涛教授、夏志宏教授),"干人计划"学者3名(夏志宏教授、王学锋教授、李才恒教授),"青年干人计划"学者1名(李景治副教授)。研究领域涉及数学的各个方向,包括基础数学、计算数学、应用数学、概率论与数理统计、金融数学等。

数学系现有金融数学和数学与应用数学两个本科专业,并正积极申报计算数学和统计学专业。数学系全力为学生营造一流的学习环境,配备门类齐全的图书资料,设立专门的数学实验室,提供多种类型的奖学金助学金和科研资助。同时根据国际化的办学方针,积极开展国际合作办学,与多所国际知名高校的相关院系建立形式多样、内容丰富的人才培养合作项目。



## Department of Physics 物理系

The Department of Physics was established in 2011. The Department's commitment is to develop first-class education and top-notch research in physics. The Department of Physics has been granted authority to award bachelor's degree on in physics. Moreover, the Department offers long-term joint Master and PhD programs, in collaboration with other renowned universities, including Peking University, Harbin Institute of Technology, University of Hong Kong, Hong Kong University of Science and Technology, and National University of Singapore. In addition, the Department has established long-term joint post-doctoral workstations with Peking University, Fudan University, Wuhan University and other colleges and universities.

The Department has a current size of 30 academic staffs, including 6 chair Professors, 3 professors, 13 associate professors, and 8 assistant professors. There are 4 Academicians of the Chinese Academy of Sciences (including dual-employed), 1 Changjiang Scholar, 1 Distinguished Young Scholar, 1 nationally outstanding teachers, 2 "Thousand Talents program" scholars, 9 "Thousand Youth Talents Program" scholars, 1 leading talent of "Pearl River Talent Program" by Guangdong Province, and 2 "Pengcheng" scholars. Members of our academic staff all have study or work experience at top 100 universities in the world.

The Department of Physics now offers 3 majors in condensed matter physics, materials physics and theoretical physics, while setting up biological physics, astrophysics and particle physics. The staff members are engaged in frontier researches in the fields of quantum transport and regulation, surface physics, materials physics, computational physics, condensed matter theory, quantum information and quantum computing.

In recent years, the staff members have published many papers in high profile journals, gaining the Department international impact. Our research support totaled more than 58.1 million (CNY), including 26 projects from National Natural Science Foundation of China, 4 projects from Ministry of Science and Technology and Department of Education, 9 projects from Guangdong Natural Science Foundation, and 22 projects from Shenzhen City.

物理系于2011年成立,致力于提供一流的物理学教育和顶尖的物理学研究。目前,物理系具有物理学学士学位授予资格,同时与北京大学、哈尔滨工业大学、香港大学、香港科技大学、新加坡国立大学等国内外知名高校长期联合培养硕士、博士研究生,与北京大学、复旦大学、武汉大学等高校长期联合设立博士后工作站。

物理系有一支年轻的科研教学队伍,含专职教师30人,其中讲座教授6人,教授3人,副教授13人,助理教授8人。有4位中科院院士(含双聘),1位"长江学者",1位"杰青",1位国家教学名师,2位"干人计划"专家,9位"青年干人",1位广东省"珠江人才计划"领军人才,2位"鹏城学者"。教师全部有境外TOP100大学与研究所学习、工作的经历,全部具有博士学位。

物理系现有二级学科凝聚态物理、材料物理、理论物理,同时正在组建生物物理、天体物理、粒子物理。研究领域涉及物理各个方向,包括量子输运及调控、表面物理、材料物理、计算物理、凝聚态物理理论等。

物理系科研人员具有深厚的学养和突出的科研能力。近年来,物理系教师共承担国家自然科学基金项目26项,科技部/教育部项目4项,广东省自然科学基金项目9项,深圳市项目22项,科研经费累计5810余万元。



### Department of Chemistry



Chemistry is regarded as the central science because of its role in connecting different subjects and its importance in interdisciplinary research, such as chemical biology, materials science, energy, agricultural development, drug discovery and so on. Established in 2011, the Chemistry Department has developed at a rapid speed, and has 23 full-time faculty members, nine engineers. The Department Chair is Prof. Xumu Zhang, a former Distinguished Professor of Chemistry at Rutgers University, the state university of New Jersey, a full Professor at Pennsylvania State University. He is also the recipient of "The Thousand Talents Program", The Outstanding Young Scientist B, and The Changjiang Scholar Lecture Professor. Thanks to the strong support from both the Central Government and the Shenzhen Municipal Government, the department aims to be one of the best in China and has attracted many experts from all over the world, some of whom were already tenured full professors in the US or equivalents in the US or Japan before joining SUSTech. They are all supported by various high-level talent programs in China—including 5 supported by the prestigious "Thousand Talents Program", eight supported by the "Thousand Young Talents Program", one supported by the Outstanding Youth Fund, and 18 supported by the Peacock Plan-Overseas High-Caliber Personnel of Shenzhen. In particular, the Chemistry Department strives to gain internationally reputed achievements in research and to foster excellent scientists and engineers in the areas of inorganic chemistry, organic chemistry, bioanalytical chemistry, and physical chemistry/molecular materials chemistry.

The Department of Chemistry has been awarded with 40 major research grants of more than RMB one billion (or 160million US\$). In the last three years, more than 100 research papers have been published in prestigious chemistry journals, such as Nature Communication., Chem. Soc. Rev., J. Am. Chem. Soc., Angew. Chem. Int. Ed., etc., some of which were highlighted in Nature, Nature Chemistry., or used as VIP cover papers.

Adhering to our SUSTech's motto of "Research, Innovation and Entrepreneurship", the chemistry department focuses on cultivating students' innovation, critical thinking and ability for interdisciplinary cooperation. The undergraduates at SUSTech are strongly encouraged to participate in various frontier research programs supervised by professors. The department maintains a wide range of sophisticated instrumentation necessary for modern chemical research and teaching.

化学作为21世纪的中心学科,在生命科学、材料科学、能源科学、农业科学、食品科学、环境科学等领域的应用越来越广泛。化学系成立于2011年,由长江讲座教授、"国家杰青B"和"干人计划"获得者,世界知名大学终身杰出教授张绪穆教授担任系主任。目前化学系拥有一支包括23名教授,9名工程师在内的全职科研和教学队伍。教授队伍中包括了5名中组部"干人计划"入选者,8名中组部"青年干人计划"入选者,1名国家自然科学基金委员会的"优青"和18名深圳市海外高层次人才引进计划("孔雀计划"),全部拥有海外学习和工作经验。化学系研究方向涵盖了能源化学、有机化学、无机化学、超分子化学、材料化学、计算化学、分析化学等多个领域。

化学系已独立承担四十多项国家级、地方级的科研项目,包括国家自然科学基金项目二十余项,总科研经费超过一亿元。过去的三年中,以南科大为通讯作者身份在Nature Communication,Chem. Soc. Rev., JACS, Angew. Chem. Int. Ed. 及其他化学权威期刊上发表重要论文100余篇,平均影响因子超过4.0,部分研究成果先后得到Nature, Nature Chem.等期刊的重点推荐或亮点报道。

化学系秉承我校"创知、创新、创业"的办学理念,注重培养学生的创新能力、批判精神和跨学科交叉合作的能力。化学系拥有优越的科研和教学条件。教授的科研实验室鼓励并提供本科生参与科研项目研究的机会。

## Department of Biology

生物系

Welcome to the Department of Biology! Since its establishment in 2012, the Department of Biology has attracted a few internationally renowned professors to join as the leaders and dozens of young promising scientists to start their independent academic career here with enthusiastic pursuit of excellence in research and teaching. The research interests of our faculty members include diverse topics such as molecular and cellular biology, molecular pharmacology, bioinformatics, systems biology, quantitative biology, developmental biology, neuroscience, structural biology and biophysics. The primary goals of our faculty are to address the most significant fundamental biological questions and to develop new strategies to treat various complex diseases. Such efforts will surely benefit from the shared inter-disciplinary collaborative spirit deeply rooted in the minds of all the faculty members working in different departments on the beautiful SUSTech campus.

Mentoring the next generation biologists with the highest standards is another primary task of the Department of Biology. Our professors choose internationally acclaimed textbooks to teach core courses of bioscience, biotechnology and bioinformatics in English. Undergraduates are encouraged to join the laboratory early to get firsthand working experience in basic and/or applied biological research, which helps them to consolidate the mastering of basic techniques, to broaden their knowledge horizons and to acquire the capabilities of problem identifying, hypothesis formulating and problem solving.

Life science, one of the fastest developing natural scientific disciplines, has been the driving force behind the growth of the world economy and provides the know-how basis for the development of new technologies serving to improve the human health and welfare at large. With the unreserved financial support from the Shenzhen municipal government, we are confident that the Department of Biology in SUSTech will surely grow into a top tier research and teaching center in the world.

生命科学已成为21世纪自然科学的前沿学科。生命科学的发展关乎生命健康和民生幸福。如今,生命健康产业已成为推动世界经济发展的新动力,亦是深圳市重点培育的战略性新兴产业,前沿生命科学的发现是生命健康产业发展的基础。

生命科学是南方科技大学重点发展的学科之一,生物系师资力量雄厚,科研平台设施完善,目前有分子细胞生物学、分子药理学和疾病机理学、生物信息、系统生物学及定量生物学、发育生物学及相关疾病、神经生物学、生物物理学等研究方向。侧重生命科学前沿领域及人类重要健康问题(如细胞微环境、信号转导与疾病,癌症、肾脏疾病、骨质疏松、关节炎、神经退行疾病、脑卒中、个体化医疗等)的基础及应用研究,积极鼓励学科交叉。

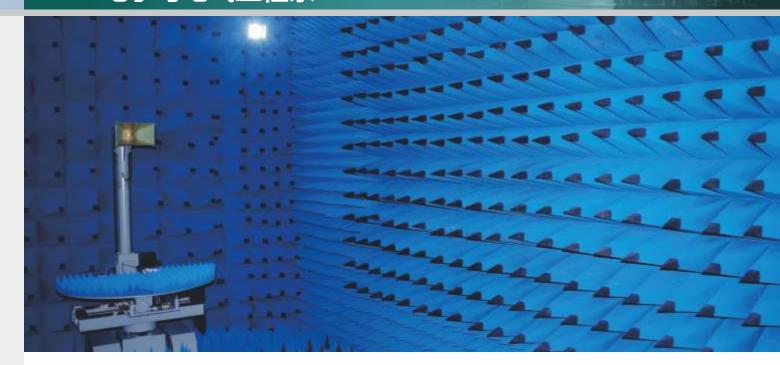
生物系开设了生物科学、生物技术、生物信息等本科专业。坚持骨干教授在教学一线讲课,广泛采用先进的英文原版教材,在调研国外著名研究型大学课程的基础上,结合国情与校情,制定了相对"精简"的课程结构。同时积极鼓励学生进实验室做科研,既巩固所学知识,增强动手能力,接触国际前沿领域知识,也获得发现问题、分析问题和解决问题的科研思维训练。

整体而言,生物系以国际先进的教学科研基地为依托,致力于培养拔尖创新人才,并努力在科研成果、学科建设和科技产业化等方面做出自己独特的贡献,服务于社会发展。



## Department of Electrical and Electronic Engineering

电子与电气工程系



HACKLE STREET

The Department of Electrical and Electronic Engineering at SUSTech is one of the first departments to be founded and aims to build up a world-class Electrical and Information Engineering center. The education goal of the department is to inspire students with scientific research in close relationship with innovative and fast developing Shenzhen industry.

Located in Shenzhen special economic zone, full of innovation, openness, and inclusiveness spirit, the department has been making full use of its favorable geographical location. The department has set up four undergraduate majors (Microelectronic Science and Engineering, Optoelectronic Information Science and Engineering, Communication Engineering, and Information Engineering) for active collaboration with Shenzhen's industry development trends with two more new majors (Electronic Science and Technology, Information and Communication Engineering) to be set up soon. The research area in the department covers not only the traditional electronic and information engineering fields but also the most cutting-edge and multidisciplinary areas such as next-generation information technology, energy-saving/new-energy vehicles, bio-medicine, high performance medical devices, and materials with close collaboration with industry partners. Top-notch technical development built on top of our firm traditional electrical and information engineering foundation will lead to academic advances as well as the industry development.

汽车、生物医药及高性能医疗器械、新材料等领域。电子系立足传统 电子与信息研究领域的研究工作,又在与能源、生物、材料等学科交 叉融合中寻求广阔的创新空间; 既涉及基础探索,又有工业应用研 究,密切结合产业发展,服务于国民经济。



## Department of Materials Science and Engineering

#### 材料科学与工程系



Materials Science and Engineering (MSE) is a multidisciplinary subject that systematically studies a variety of materials and emphasizes on the relationships between processing, structure, property, and performance. In modern society, MSE has become an important component for economic development, national defense, and daily life. The MSE program at SUSTech aims to equip students with knowledge, methods and tools of this field for engaging in the frontier research and development of materials. In addition to knowledge education, the MSE program also emphasizes of cultivating students' innovation, team work, and leadership skills.

Founded in July 2013, the Department of Materials Science and Engineering has 22 full-time faculty members, including 5 "Recruitment Program of Global Experts" recipients and 6 "Recruitment Program of Global Experts (Young Scholar Program)" recipients. The MSE department at SUSTech engages in a broad scope of advanced materials research, including energy materials, organic and inorganic electronics, sensors and actuators, biomaterials, polymer composites, nanomaterials, micro- and nanofabrication, as well as additive manufacturing. The development of the MSE program addresses three areas: the frontiers of materials research; the national strategic development plan in materials area; and the research and development needs of the local industries in the Pearl River Delta and Shenzhen municipality. The department strives to achieve a leading role in both knowledge discovery and technology transfer. The Department has established 18 research labs, 4 of which are Shenzhen key laboratories. Besides, the Department s two research teams have been selected as Shenzhen Overseas High-Caliber Team.

材料科学与工程专业是研究材料的合成、制备、结构、性能、应用等方面的学科,是物理、化学和工程等多学科交叉的应用科学。材料是人类赖以生存和发展的物质基础。在现代社会中,材料已成为国民经济建设、国防建设和人民生活的重要组成部分。本专业培养具有坚实的材料科学与工程理论知识,掌握前沿的材料研发和表征技术,同时具备熟练运用英语和计算机技术能力,从事高新材料研究开发和跨学科交叉合作的高素质科技人才。培养的学生不仅具有本学科及相关领域科学研究、设计与开发,教学及管理的综合能力,同时应具有较强的创新思想、团队合作和领导能力。学生毕业后能在本学科领域内从事传统材料工业生产,或新材料、新技术和新工艺的设计与研发,也适宜继续攻读本专业及相关学科的研究生,可到各型企业、科研机构、高校及事业单位从事科研、开发、教学及管理工作。

材料科学与工程系成立于2013年7月,现有22位全职终身制序列教师(助理教授、副教授、教授和讲座教授),还有4名教授将于半年内到岗。现有教授中有5名"干人计划"学者,6名"青年干人",1名广东省自然科学"杰出青年",1名广东省"特支计划"科技创新青年拔尖人才,1名广东省优秀青年教师。材料科学与工程系未来发展规划将兼顾前沿科学性、国家学科战略发展规划、及广东省和深圳市的产业布局,重点发展能源材料与器件、有机电子、生物和医学材料、信息材料、软物质材料、航空航天材料、高端制造技术(包括粉末冶金和增材制造)、微纳结构加工与应用等八个方向,力争十五年内建成国际知名的材料学科研究基地。

#### Department of Finance

#### 金融系

The Department of Finance is one of the first five departments of SUSTech founded in 2011. Our department aims to build a strong, domestically and internationally recognized finance discipline. Our department adheres to the SUSTech's motto of "Research, Innovation and Entrepreneurship" in research. We strive to contribute our research to the national strategic plans and the regional development in the Pearl River Delta and Shenzhen. The research projects undertaken by the department in Chinese financial stability and Fintech are all driven by the important issues in today's economy. Our department is committed to educating students with the most contemporary financial knowledge, critical thinking, entrepreneurship, and global vision so that they are ready to solve practical and challenging problems in China's finance and economy.

The Department of Finance has 13 full-time academic staffs. Among them, one is Changjiang Scholar and one is Shenzhen Leading Talent. Twelve of the academic members hold doctoral degrees from highly reputable overseas universities and most of them have experience in financial industries or financial supervision experience in regulatory institutions.

Our faculty published over 50 papers in 2015. Some of these papers were strongly recommended by "China Finance". "The financial crisis and government bailout" authored by Prof. Jia He was published in the 65th Anniversary of "China Finance". "The logic of Financial Regulation and Innovation in China" authored by Prof. Jia He was published as the cover article in "China Finance" 2016 eighteenth. Our department has regular academic seminars, featuring renowned speakers from well-known institutions and financial companies. A well-equipped finance laboratory is available for students to use, which is currently equipped with virtual exchanges, highfrequency databases, financial modeling dynamic simulation systems, a laboratory management platform, a large-screen management system, a multi-screen GTA integrated financial information system, MATLAB, etc. Our facilities are comprised of high performance workstations, projection systems, sound systems, switches, line counters, cabinets, etc., and our hardware facilities can accommodate up to 40 people for teaching and training.

Our department graduated its first cohort. Some of our students have begun their careers in the financial industry sector, with institutions such as Minsen Capital

Management. Some of them are pursuing higher degree in Finance, including PhDs in schools such as The University of Pittsburgh.

金融系以打造"国内一流、国际前沿"的知名学科为愿景,基于对中国金融改革发展和重大实际问题的分析及思考,兼顾前沿科学性、国家学科战略发展规划及珠三角和深圳市在金融领域的研发需求,结合强大的师资队伍、完善的教学设施、出色的学术成果,针对中国金融稳定、金融科技等方向进行分析和研究,力求为中国金融的改革和发展以及珠三角和深圳市的金融服务创新做出贡献。金融系紧跟金融发展前沿,目标是培养具有国际视野、深入分析和解决中国金融实际问题、引领中国资本走向世界的创新型高级人才。

金融系师资队伍包含专职教师13人。其中包含"长江学者"1人,深圳市地方级领军人才1人,深圳市高层次专业人才后备级人才1人;具有海外博士学历教师12人;具有金融部门及金融监管机构从业经验教师7人。

截至目前,以金融系为第一单位发表的论文多达50余篇。部分研究成果得到《中国金融》杂志的重点推荐,比如何佳教授在65周年纪念特刊上发表的《金融危机与政府救助》以及2016年第18期封面文章《中国金融监管与创新的逻辑》。金融系学术交流活动频繁,报告人均为学术界和金融业界的高端人才。金融系设有金融实验室,配备虚拟交易所、高频数据库、金融模型动态模拟系统、高性能工作站等,均开放供学生实训使用。

金融系毕业生去向包括赴美攻读金融博士、银行、证券公司、私募基金等。



## School of Environmental Science and Engineering

环境科学与工程学院



The School is currently comprised of five academic units: Water Science and Technology, Soil Science and Remediation, Atmospheric Environment, Industrial Ecology, and Global Environmental Change and Management. The School is recruiting an outstanding faculty nationally and globally. Current faculty members include one academician of Chinese Academy of Sciences, five recipients of the "Thousand Talents program", two recipients of "The National Science Fund for Distinguished Young Scholars" and two "Excellent Young Investigator" awardees by the National Natural Science Foundation of China. The School has established two undergraduate majors in "Environmental Science and Engineering" and "Hydrology and Water Resources Engineering". The fields of research for the current faculty and graduate students cover a wide range, including water resources, water quality, soil and groundwater remediation, water treatment, desalination, environmental health science, atmospheric chemistry, air pollution control, greenhouse gas emission reduction, solid waste disposal and utilization, earth system modeling, ecosystem assessment, carbon cycle, remote sensing, and global change.

The medium- and long-term objectives of the School are to become:

- 1.an innovative training ground for top talents in the field of environmental science and engineering in China; 2.a global center of excellence for environmental science and engineering research;
- 3.a national platform for the original innovation and industrialization of advanced environmental protection technologies; 4.a think-tank that influences the policy makers and educates the general public toward sustainable socio-economic development of China.

环境科学与工程学院以建成国际一流的环境教育和科研基地为发展目标,致力于培养具备创新思维、国际化视野和现代工学素养的环境学科复合型人才。学院的教学和科研工作重点包括水科学与技术、土壤科学与修复技术、大气环境、固体废弃物资源化和全球环境变化及管理这五个方向。这些方向是当前环境科学与工程领域的核心和热点,也是国内外一流大学环境学科人才培养的重点。本学院拥有高水平的师资团队,包括中科院院士1人,"干人计划"专家5人,国家基金委"杰青"2人和"优青"2人。学院院长郑春苗教授为国家"干人计划"教授、国际地下水环境领域知名专家。现有教员均具有海外留学或工作的经历,胜任全英文教学。教员近5年发表SCI文章300多篇,包括世界顶级刊物Science,Nature和PNAS等。学院教员承担了包括国家自然科学基金、国家973计划、863计划、国家科技支撑计划在内的国家级及省市级科研项目70余项。此外,南方科技大学工程技术创新中心(北京)是本学院的产学研基地,致力于研发水处理、环境修复、节能减排等先进环保技术,并积极推动科研成果的产业化。该中心将同时成为本学院学生的实习、实践平台。学院目前开设环境科学与工程本科专业,并即将启动水文与水资源工程专业的设置。2016年下半年已全面启动环境科学与工程一级学科的硕士生和博士生培养工作。

#### 学院发展的中长期目标包括:

- 1、成为我国环境科学与工程领域拔尖创新人才的培养基地;
- 2、成为世界一流的环境科学与工程研究机构;
- 3、建成先进环保技术原始创新与产业化的国家级平台;
- 4、建成引领中国社会可持续发展的思想库。

## Department of Ocean Science and Engineering

#### 海洋科学与工程系

The Department of Ocean Science and Engineering has been established to build a world leading program of research and education in oceanography. Teaching and research at the department are mainly focused on physical oceanography, biological oceanography and marine microbiology, marine geophysics, and ocean engineering for the next five years. Faculty of the department will actively participate in, or lead the international ocean research projects/programs aiming to rapidly increase the international exposure of the Southern University of Science and Technology.

The Department of Ocean Science and Engineering believes building a word-class team of faculty is a priority, and is rapidly expanding. By the end of 2016 the faculty team will include one CAS academician, two Changjiang Scholars, four recipients of the "Thousand Talents Program", one recipient of the "Ten Thousand Talent Program" and two recipients of the "Thousand Young Talents Program". The chair of the department is Prof. Yongshun John Chen (PhD 89, Princeton U.) who is a Changjiang Scholar and recipient of "National Outstanding Young Scientist". As the current chair of the InterRidge, he is well known internationally in the mid-ocean ridge research community. All faculty members have either studied or worked abroad, and therefore teach in English.

Building upon the platform provided by the Institute of Ocean Engineering of Shenzhen which is funded by the Shenzhen City Government, the Department of Ocean Science and Engineering aims to become an oceanographic institution equipped with a research vessel (R/V Shenzhen), a dock, and a multidisciplinary laboratory of ocean engineering, which will significantly close its gap from the world-top institutions of oceanography such as the Woods Hole Oceanographic Institution, USA, the Scripps Institution

of Oceanography, USA, and the National Oceanography Centre, Southampton, UK.

从建系开始,海洋科学与工程系就定位为要建设成为 国际知名的海洋科学和工程研究基地,致力于培养国 际化高层次深海研究人才。近五年将重点建设物理海 洋学、海洋生物和微生物学、海洋地球物理学、海洋 工程四个学科,把参与或引领国际海洋领域研究计划 作为目标,通过国际合作为提升南方科技大学在国际 学术界的知名度做出重要贡献。

海洋科学与工程系始终把海外人才引进和具有国际视野的高水平师资队伍建设放在发展首位。到2016年底,师资队伍包括中科院院士1人,长江学者2人,"干人计划"专家4人,"国家杰青"3人,"万人计

十人订划 专家4人, 国家杰肯 3人, 万人订划"1人,"青年干人计划"2人。系主任陈永顺教授为美国普林斯顿大学博士、2001年回国的"长江学者"特聘教授("杰青"2002)、国际大洋中脊协会现任主席。全体教员都具有海外留学或工作的经历,胜任全英文教学。

借助深圳市政府筹建的深圳海洋研究院提供的海洋关键技术研发的平台,海洋科学与工程系将迅速建成拥有科学考察船、码头、海洋装备和工程技术实验室,向世界排名前几位的美国伍兹霍尔海洋研究所、美国斯克里普斯海洋研究所、英国的南安普顿国家海洋研究中心看齐。



## Department of Mechanics and Aerospace Engineering

力学与航空航天工程系



The department of Mechanics and Aerospace Engineering founds in December, 2015, which is the most important department in the College of Engineering SUSTech. It aims to establish a world-class leading department in mechanics and aerospace engineering, covering fluid mechanics, advanced technologies of aerodynamics, thermodynamics, aeroacoustics, mechanics, combustion, material, system control. The department will fully introducing the pattern of world first-class universities related departments, for countries in mechanics, aerospace, top-notch innovative personnel training aspects such as strategic needs, based on the forefront of important basic research and applied basic research, through the design of the top and discipline planning, set up an international research unit. The department will introduce innovative educational system and mechanism, to build a world-class level, in order to "study" model as the center, close contact with China aerospace industry leading unit. The goal of the department is to cultivate practical talents for our country aerospace industry (learning), key technology research and development (research), and to provide technical services (production).

The department consists of many high level professional experts from all over the world with diversified background in both academic and industry. Up to now, the faculty has 10 staff members, includes one CAS academician, four experts of the "Thousand Talents Program", and two experts of the "Thousand Talents Program for Young Professionals". All the department members have overseas study and working experience. The department is applying for the undergraduate course for Theoretical Mechanics, and admitting postgraduate students in fall 2016.

力学与航空航天工程系成立于2015年12月,是南科大工学院八大重点建设院系之一。力学与航空航天工程系是将充分借鉴世界一流大学相关院系的办学模式,面向国家在力学、航空航天、创新拔尖人才培养等方面的战略需求,立足于重要前沿基础研究和应用基础研究,经过顶层设计与学科规划,而成立的一个国际化的研究型的单位。力学与航空航天系将引进创新办学体制机制,建设一个世界一流水平的、以"产学研"模式为中心的、与中国航空航天工业紧密联系的领军单位。将为我国航空航天工业培养实用人才(学)、研发关键技术(研)并提供技术服务(产)。

力学与航空航天工程系在科技创新上,将引进国际航空航天工业的先进技术和科研优秀人才,成为中国航空航天工业与国际先进技术接轨的窗口。力求立足国家现有技术力量,发展未来航空航天所需的技术,成为中国航空航天工业关键技术研发的先驱者。积极参与国家重点项目,为工业界将科研向高技术成熟度发展,直接参与工程设计、产品研制或提供专业技术咨询,并注重基础工具软件开发,为中国航空航天工业提供技术服务。

力学与航空航天工程系正在聚集一批来自全球相关领域、涵盖学术和工业背景的高层次专业人员从事教学科研工作。截至目前,已到位师资10人,其中包括中科院院士1人,"干人计划"专家4人,"青年干人计划"专家2人。全体教员均具有海外留学及工作经历,目前承担的相关科研经费已达近7000万元。力学与航空航天系已着手申报理论力学本科专业,并已在2016年下半年启动力学一级学科的研究生培养工作。

## Department of Mechanical and Energy Engineering

机械与能源工程系

The Department of Mechanical and Energy Engineering was founded in Jan, 2016, aiming for a top tier world-class education and research facility. The Department now has three "Thousand Plan Program" talents, and several other talents with overseas high-level educational or work experience.

Mechanical Engineering is an engineering discipline to study the innovative design and advanced manufacturing of industrial products, industrial automation, intelligent machinery, and energy development and utilization as well as industrial management science. Mechanical Engineering is a foundation discipline for the product function and innovative realization, high quality and low cost assurance, and high production efficiency, playing the important role in global economics. The study of Mechanical Engineering is based on physics and mechanics principles, involving science fundamentals, engineering fundamentals, mechanical engineering major courses, and engineering practice. The graduates from Mechanical and Energy Engineering department will be ready to take technical and societal challenges for solving problems in the national needs.

The Department of Mechanical and Energy Engineering at SUSTech consists of three academic directions in undergraduate and graduate education. The three directions are Robotics and Automation, Innovative Design and Advanced Manufacturing, and Energy Engineering. In March 2 0 1 6, the Department started recruiting postgraduate students, and now the Department of Mechanical and Energy Engineering has 9 postgraduate students and 2 PhD students.

机械与能源工程系成立于2016年1月,本系的教师团队包括国家 "干人计划专家"、拥有海内外著名高校,研究机构教育与工作 经历一流人才。

机械工程是研究工业产品创新设计,先进制造,工业自动化,智能机械,能源的开发利用以及管理科学等的一门工程学科。机械工程是实现产品功能与创新,保证产品质量与成本以及生产效率的关键学科,在国民经济中起着举足轻重的作用。机械工程以物理力学为主,涉及机光电,热力学,流体力学,材料科学,传感与信息技术,智能与控制技术等理论,应用于广泛的工业领域,诸如航空航天、汽车、船舶、火车、能源动力、工程机械、以及电子、软件、商业等等和人民生活密切相关的领域,能够充分满足社会需要和个人志向发展。

本专业培养具有坚实的应用科学基础,掌握前沿的机械工程专业知识,同时具备熟练运用英语和计算机技术能力,从事创新性产品的研究开发和设计制造,以及跨学科交叉合作的高素质科技人才。培养的学生不仅具有本学科及相关领域科学研究、设计与开发,教学及管理的综合能力,同时具有较强的国际视野,创新精神、团队合作和领导能力,善于综合应用机械领域及相关学科的理论与方法、能解决重大工程科学问题和挑战。学生毕业后能够从事工程应用的科学研究,创新性产品开发与制造,或新材料、新技术和新工艺的研发与应用,以及工程管理,还可以继续攻读本专业及相关学科的研究生,到各型企业、科研机构、高校及事业单位从事科研、开发、教学及管理工作。

机械与能源工程系现有三个学科方向: 机器人与自动化、创新设计与先进制造、能源工程。2016年春季,机械系开始招收第一批研究生,现已有9名在读硕士研究生及2名在读博士研究生。



# nent of Computer Science and Engineerin

# Department of Computer Science and Engineering 计算机科学与工程系

## Department of Biomedical Engineering

生物医学工程系



The Department of Computer Science and Engineering was established in August 2016, and is one of the youngest departments in SUSTech. We offer BSc, MSc, and PhD degree education in Computer Science and Engineering.

Current faculty members in the Department of Computer Science and Engineering include 4 chair professors (2 national thousand-talent-program scholars, 2 IEEE fellows and 1 IET fellow), 1 professor, 2 associate professors and 3 assistant professors. All faculty members have doctoral degrees and have had many years teaching and research experiences in leading overseas universities before joining the Department. The Department is supported by six teaching fellows, and seven teaching and technical support staff members (such as laboratory engineers and teaching assistants), and six professional secretaries. The Department is expected to grow aggressively to 45 tenure-track professors in the next three years and sets itself an ambitious goal of becoming an internationally known and research-intensive department.

The four research directions in the Department include Artificial Intelligence, Data Science, Computer Systems and Networks, and Theoretical Computer Science. The research topics cover machine learning, intelligent computation, cognitive robotics, big data analytics and cloud computing, internet of things, future intelligent wireless network, smart cognitive sensing, mobile and wearable wireless sensor/actuator systems, parallel computation, network security, cryptography, intelligent pervasive computing, etc.

计算机科学与工程系成立于2016年8月,是南方科技大学 最年轻的学科之一,培养计算机科学与工程专业的本科、 硕士、博士研究生。

计算机科学与工程系现有全职讲座教授4名、教授1名、副教授2名、助理教授3名,其中包括"国家干人计划"特聘专家2名、IEEE会士2名、IET会士1名,全部具有博士学位和在世界知名大学从事多年科研或教学的经验。计算机科学与工程系还聘有计算机相关方向或交叉学科教学系列教师6名,教学辅助人员包括实验室工程师和助教7名,和6名专职秘书。在今后的三年内,计算机科学与工程系计划增长到45名全职长聘教师,立志成为在国际上有一定影响的研究型院系。在培养研究生方面将坚持当前的国际化培养模式,与国际名校联培博士生。使学生既能与国外的教育与生活环境接轨,又不与国内的环境脱轨。从而提高将来职业进一步发展的选择范围。

计算机科学与工程系的主要研究方向有人工智能、数据科学、计算机系统与网络、计算机理论。内容包括机器学习、智能计算、认知机器人、大数据分析与云计算、物联网、信息物理融合系统、下一代智能无线网络、智能认知传感、可移动、可穿戴无线传感器-执行器系统、并行计算、网络安全、密码学及应用、智能普适计算等。



The Department of Biomedical Engineering was established in June 2016, when Prof. Xiangdong Guo from Columbia University, the Founding Chair, was appointed as Senior Advisor. The Department has 20 full-time and part-time faculty members (including one "Thousand Talents Program" expert, three "Young Talents Program" experts), four teaching laboratories, and thirty undergraduate students. Research areas at the Department include biomechanics, cell and tissue engineering, medical imaging and biomedical signal analysis, neural engineering, auditory physiology and information processing.

The Department of Biomedical Engineering receives strong support from the Department of Biomedical Engineering at Columbia University and has formed its own undergraduate curricula based on the BME curricula of Columbia University. The Department shall cultivate students at bachelor, master and PhD. levels together with Department of Biomedical Engineering at Columbia University.

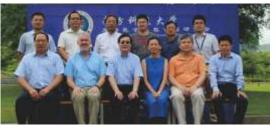
The Department's core culture is "Adventurous, Arduous, Amiable". We sincerely welcome more global talents to join us to create an interdisciplinary innovative research platform, and make the platform a world-class biomedical engineering center within ten years.

生物医学工程系成立于2016年6月。美国哥伦比亚大学郭向东教授为创系系主任, 受聘为高级顾问。我系现有专兼职教职员工20人(其中,1名"干人计划"专家,3人"青年干人计划"专家),教学实验室4间,本科生30人,研究方向包括生物力学、细胞与组织工程、医学影像和生物医学信号分析、神经工程、听觉生理和信息处理等。

目前,哥伦比亚大学生物医学工程系全力支持南方科技大学建设生物医学工程系,我系借鉴了哥伦比亚大学生物医学工程系的培养课程,并建立了加强版的哥伦比亚大学生物医学工程的培养思路,并与哥伦比亚大学联合培养本、硕、博学生。

我系确立了Adventurous(勇于冒险)、Arduous(甘于艰苦)、Amiable(乐于和谐)的"AAA"建系文化,并诚邀海内外优秀人才加入,共创一个多学科交叉创新的研究平台,依托南方科技大学一流的科研、教学平台,力争十年内将我系建设成为国际知名的生物医学工程研究基地。

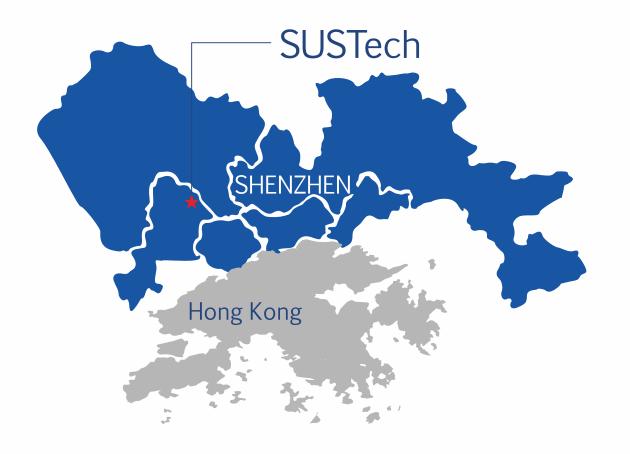




#### SUSTech 南方科技大学

#### A PUBLIC RESEARCH UNIVERSITY LOCATED IN SHENZHEN, CHINA

南方科技大学位于中国深圳,是一所创新型公办研究型大学



#### **SHENZHEN**

#### 深圳

#### FROM A FISHING VILLAGE TO A METROPOLIS

从渔村走向世界



JUST **35** YEARS 仅仅35年







Shenzhen 深圳	Area 面积	Population 人口	GDP per capita 人均GDP	City status 城市地位
1980 	<b>327.5 square</b> <b>kilometers</b> 327.5平方公里	<b>20,000</b> 2万	/	Fishing villages 渔村
2015	<b>1,991.64 square</b> <b>kilometers</b> 1,991.64平方公里	<b>15,000,000</b> 1,500万	Around RMB 150,000 (\$24,000) 约15万元, 折合美元约2.4万元	No. 1 Chinese city in general competitiveness中国城市综合竞争力排名第一



#### MIRACLES ARE TAKING PLACE

#### 奇迹正在发生

Shenzhen is an experimental city of China's open-door policy and modernization strategy. As an important high-tech R&D and manufacturing hub in Southern China, Shenzhen is one of the most economically invigorating cities in China, and the fastest growing city in the world. It has the third largest container port in the world, and the fourth largest harbor in Mainland China. It is one of "China's Excellent Tourism Cities", and was nominated for "Charming China 2014 - The Most Attractive Ten Cities for International Visitors". Shenzhen is a pioneer city where dreams come true.

深圳是我国改革开放政策和现代化建设先行先试的地区;是全球发展最快、中国经济最活跃的城市之一;是中国南方重要的高新技术研发和制造基地,同时是世界第三大集装箱港口,中国大陆第四大航空港,中国优秀旅游城市,并被评选为"2014魅力中国——外籍人才眼中最具吸引力的十大城市"。深圳,一座孕育梦想并成就梦想的先锋城市。



#### SHENZHEN, A LEADING INNOVATION CITY

深圳·创新型城市



#### 深圳是中国最具硅谷气质的城市。

"Shenzhen is the city that most resembles the Silicon Valley."

"

—— 美国《商业周刊》

---- Business Week

More than 30,000 technology companies in Shenzhen 深圳拥有科技型企业超 30,000家

3 companies with over 100 billion RMB of sales 其中销售额超千亿元的企业 3 <sub>家</sub>

17 companies with over 10 billion RMB of sales 超百亿元的企业 **17**家

157 companies with over 1 billion RMB of sales 超十亿元的企业 157<sub>家</sub>

1,203 companies with over 0.1 billion RMB of sales 超亿元的企业 1,203家

More than 4,700 high-tech companies at the national level

国家级高新技术企业超 4,70

Such as Huawei, BYD, BGI, EVOC, DJI 如华为、比亚迪、华大基因、研祥、大疆创新 4,700家

Shenzhen invested **58** billion RMB in research & development, accounting for **4.2%** of its GDP, which is equivalent to that of South Korea. 研发投入580亿元,占全市GDP比重为4.2%,与韩国比例相当

**11,600** PCT patent applications; ranked No.1 among cities in China PCT国际专利申请量1.16万件,全国城市第一

**1,216,300** professionals in various fields

各类专业技术人员 121.63 万

Frontier areas of innovation include 4G technology, metamaterials, gene sequencing, 3D display, and alternative energy vehicles

4G技术、超材料、基因测序、3D显示、新能源汽车等领域创新能力处于世界前沿





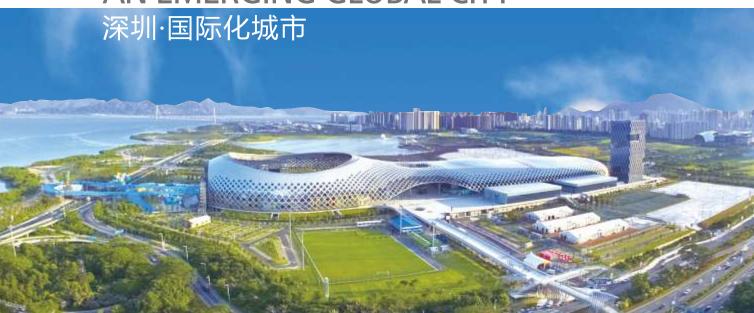








#### SHENZHEN, AN EMERGING GLOBAL CITY





#### 外籍人才眼中最具吸引力的中国城市之一

"The most attractive Chinese city in the eyes of foreigners."

—— 引才引智 "中国城市榜"

----- A List of Chinese Cities

**76** International Friendship Cities and Twin Cities of Shenzhen 国际友好及友好交流城市76个

**28** members of Shenzhen International Friendship-City University League 友城大学联盟成员28个

Shenzhen's international visitors have exceeded **7.8** million annually 年度外籍人士访深超过780万人次

**20,000** foreign residents 常住外籍人员2万

Foreign direct investment (FDI) has reached **\$5.805 billion** 实际使用外商直接投资金额58.05亿美元

The total imports and exports have reached **\$487.7 billion** 进出口总额4877亿美元

The port throughput has been ranked the **3**<sup>™</sup> in the world 港口吞吐量位居世界第3位

Shenzhen Global City Indicator Scheme 深圳市国际化城市建设指标体系

Friendship City Culture and Arts Week 友城文化艺术周

Shenzhen Foundation for International Exchange and Cooperation 深圳市国际交流合作基金会

One community library per 15,000 people 深圳每1.5万人拥有一个基层图书馆服务点

Friendship City Entrepreneur Club 友城企业家俱乐部

#### To be the bridgehead of the Maritime Silk Road 努力建设海上丝绸之路桥头堡

More International Friendship Cities 结交更多的友好城市

More business and industry ties 当地工商界发生更多联系

More inter-governmental collaborations 更多构建政府间的合作平台

#### To provide top-level public services 加快打造国际一流公共服务环境

Higher education : Improved quality and enhanced Internationalization

创新发展高等教育,提升教育质量和国际化水平

City environment: Open, diversified and internationalized 积极营造开放多元的国际化氛围

