SOUTH CHINA UNIVERSITY OF TECHNOLOGY

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SCUT Newsletter 华工新闻快讯

与创新同行
论坛
强化原始创新
暨科学中国人年度人物盛典
2018
科学中国人

1. Chen Guangxue, Professor of South China University of Technology was honored as "Person of the Year 2018" for by *Scientific Chinese* magazine

华南理工大学陈广学教授获“科学中国人2018年度人物”

Chen Guangxue, Professor of the School of Light Industry and Engineering of South China University of Technology was honored as "Person of the Year 2018" *by Scientific Chinese* magazine in the field of materials science.The honor was first bestowed in 2002 and has now become highly recognized in China, having an important influence in scientific and technological fields.

华南理工大学轻工科学与工程学院陈广学教授获“材料科学领域”科学中国人2018年度人物。科学中国人年度人物评选始于2002年，现已成为国内公认的、在科技界有重要影响力的活动之一。

Professor Chen Guangxue has long been engaged in scientific research on cartography, printing and packaging, and the application of the Internet of Things. In the field of color 3D printing, he has led a team to carry out a large number of theoretical researches and process innovations on full-color 3D printing of large-format paper substrates, and solved the technical problems of color reproduction and "step effect" of 3D printing. As for printing and packaging, his research advanced new technologies of green printing and intelligent packaging. Moreover, he has devoted himself to the development of microlens 3D printing, and has filled the gap in deformation 2.5D printing and display in China.

陈广学教授长期从事地图制图、印刷包装及物联网应用等方面的科学研究。在彩色3D打印领域，他带领团队围绕大幅面纸基材全彩色3D打印进行了大量的理论探索和工艺技术创新，系统解决了3D打印的颜色再现及“台阶效应”等技术难题；在印刷包装领域，他研究和推进绿色印刷与智能包装新技术，致力于微透镜3D印刷领域的发展，填补了国内形变2.5D印刷显示领域的空白。

工程虚拟仿真大赛（南部赛区）

2. South China University of Technology won two special prizes in the National Food Science & Engineering Virtual Simulation Contest

华南理工大学斩获全国食品工程虚拟仿真大赛两项特等奖

The 2nd National Food Science & Engineering Virtual Simulation Contest for College Students (South China Area) was held at South China University of Technology on June 29. The contest aims to promote the development of emerging engineering of food science & engineering at Chinese colleges and universities, improve the teaching quality of core courses for undergraduates in this major, and enhance the development of the food engineering industry. It will also serve to improve the capabilities of college students in terms of independent innovation, practical abilities and team work. After two rounds of contests, including a theoretical written test and a simulation operation competition, two special prizes and the honorary title of "Excellent Organization Award" were won by South China University of Technology.

第二届全国大学生食品工程虚拟仿真大赛（南部赛区）于6月29日在华南理工大学举行，本次大赛以推动高等学校食品类专业“新工科”建设为目的，以提高本科食品类专业核心课程教学质量，提升教育服务食品工程行业发展的能力为宗旨，充分激发大学生学习的自主创新、实践操作和团队协作能力，分别进行理论笔试和仿真操作两轮赛程。华南理工学获特等奖2项，并获“优秀组织奖”荣誉称号。

loss prevention 2019
DOW
TU Delft

3. Doctoral candidate from South China University of Technology won first prize of the top international academic conference in the field of process safety

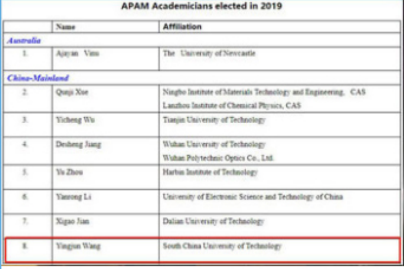
华南理工大学博士研究生获过程安全领域顶级国际学术会议一等奖

The International Symposium on Loss Prevention and Safety Promotion in the Process Industries and Accompany Exhibition (Loss Prevention 2019), a top international academic conference in the field of process safety, was held in mid-June at Delft University of Technology in the Netherlands. The main agenda of this event included risk analysis and safety management; process safety engineering and technological innovation; fire, explosion and poison leakage; human and organizational factors in risk and safety; process safety modeling and simulation; accident reflection and process safety education; leadership, risk management and supervision; information communication of risk and process safety; and LNG's Sustainable Development Performance.

过程安全领域顶级国际学术会议—International Symposium on Loss Prevention and Safety Promotion in the Process Industries and Accompanying Exhibition（Loss Prevention 2019）于六月中旬在荷兰代尔夫特理工大学举办，本次会议主要内容涉及风险分析和安全管理，过程安全工程与技术创新，火灾、爆炸与毒物泄露，风险和安全中的人与组织因素，过程安全建模与模拟，事故学习与过程安全教育，领导、风险治理和监管，风险及过程安全信息沟通，基于LNG的可持续发展性能等。

Huang Kongxing, a doctoral candidate in the School of Mechanical and Automotive Engineering of South China University of Technology, won the First Prize of the Best Poster Award for his academic work *A Quantitative Risk Assessment Method for Na-Tech Event Triggered by Earthquake Based on Monte Carlo Simulation in Chemical Tank Farm* due to its innovative research (Quantitative risk analysis research on Na-Tech accidents caused by earthquakes), novel research methods and outstanding display effect. This is the first time that a Chinese scholar has won such an honor in the 45 years since the event was initiated.

华南理工大学机械与汽车工程学院博士研究生黄孔星的学术作品《A Quantitative Risk Assessment Method for Na-Tech Event Triggered by Earthquake Based on Monte Carlo Simulation in Chemical Tank Farm》以其创新的研究内容（关于地震灾害引发的Na-Tech事故定量风险评价研究）、新颖的研究方法、突出的展示效果荣获大会Best Poster Award一等奖，这也是大会举办45年来中国学者首次获得该项荣誉。



APAM Academicians elected in 2019

	Name	Affiliation
Australia		
1.	Ajayan Vinu	The University of Newcastle
China-Mainland		
2.	Qunji Xue	Ningbo Institute of Materials Technology and Engineering, CAS Lanzhou Institute of Chemical Physics, CAS
3.	Yicheng Wu	Tianjin University of Technology
4.	Desheng Jiang	Wuhan University of Technology Wuhan Polytechnic Optics Co., Ltd.
5.	Yu Zhou	Harbin Institute of Technology
6.	Yanrong Li	University of Electronic Science and Technology of China
7.	Xigao Jian	Dalian University of Technology
8.	Yingjun Wang	South China University of Technology

4. Academician Wang Yingjun of South China University of Technology was elected as Academician of Asia Pacific Materials Academy in 2019

华南理工大学王迎军院士当选2019年亚太材料科学院院士

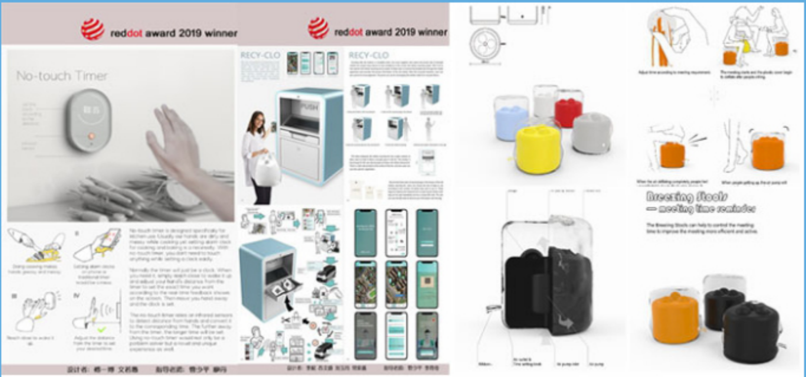
Wang Yingjun, professor of South China University of Technology, Academician of Chinese Academy of Engineering was elected as Academician of Asia Pacific Materials Academy in 2019. Academician Wang has been engaged in biomaterial research and engineering for more than 40 years, and has made many original achievements in bone, tooth, blood purification, tissue engineering and regenerative medical materials. She put forward and established the rudiment of material "biological adaptation" theory and the new concept of "biological response", invented a series of bionic construction technologies for bone regeneration and repair materials, and won more than 10 scientific and technological awards, including national technological invention awards, natural science awards of the Ministry of Education, and technological inventions awards of Guangdong Province. She obtained 37 national invention patents as first inventor, 7 Class III product registration certificates for achievement transformation in enterprises, and promoted the listing of 6 enterprises, making outstanding contributions to the development of the biomaterials and medical device industries.

华南理工大学王迎军当选2019年亚太材料科学院院士。王迎军院士40余年来一直从事生物材料研究与工程化工作，在骨、齿、血液净化、组织工程和再生医学材料等方面取得多项原创性成果。王迎军院士提出并建立了材料“生物适配”理论雏形和“生物应答”新理念，发明骨再生修复材料仿生构建系列技术，荣获国家技术发明、教育部自然科学、广东省技术发明等科技奖励10余项，以第一发明人获国家发明专利授

权37项，成果转化企业获III类产品注册证7个，推动6个企业上市，为生物材料和医疗器械行业发展做出突出贡献。

Note: The Asia-Pacific Academy of Materials Sciences is an international organization established in 1992. It includes12 member states and regions such as Australia, China, India, Japan, South Korea, Mongolia, Russia, and Singapore. The Academy mainly targets the needs of countries and regions for key materials, as well aspromoting unilateral and multilateral exchanges and cooperation among countries and regions.

注：亚太材料科学院是1992年成立的国际组织，包括澳大利亚、中国、印度、日本、韩国、蒙古、俄罗斯、新加坡等12个会员国和地区，主要针对各国和地区对关键材料的需求，促进各国和地区单边及多边交流与合作。

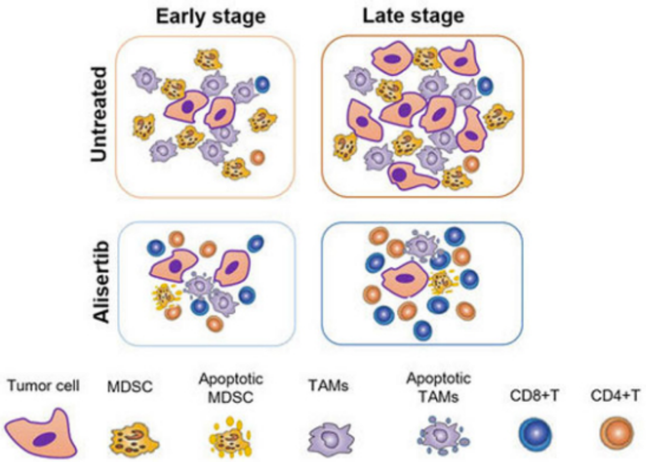


5. Students of South China University of Technology won Red Dot's Best of the Best award

至尊奖！华南理工学子斩获红点奖最高荣誉

Three works from the School of Design of South China University of Technology won the 2019 Red Dot Design Award. Among them, "No-touch Timer", designed by Fu Yibo and Wen Ruoyu, students majoring in industrial design, won the 2019 Red Dot's Best of the Best Award. "No-touch Timer" is a timer specially designed for the kitchen, and it comes in handy when you have a lot of oil on your hands while cooking, but you need to set an accurate time for cooking and baking. The other two works "Old Clothes Recycling Service System Design" and "Breezing Stool" won the Red Point Award in the competition.

华南理工大学设计学院有3个作品获2019年德国红点设计大奖, 其中由2016级工业设计专业傅一博、文若愚设计的作品“No-touch Timer”斩获2019年红点最高荣誉至尊奖（Red Dot：Best of the Best）。“No-touch Timer”无需触摸计时器专为厨房设计，旨在解决当做饭时手上油渍很多，却又需要为烹调、烘烤设定准确时间的问题。另外两个作品“Old clothes recycling service system design（旧衣回收服务体系设计研究）” 、 “Breezing Stool（充气凳子）” 获大赛红点奖。



6. An Important research result co-published by South China University of Technology and China University of Science and Technology in *Cancer Research* magazine

华南理工与中国科大在Cancer Research杂志发表重要研究成果

CANCER RESEARCH, a periodical under AACR Publishing Group, has published a report entitled *Aurora-A Inhibition Eliminates Myeloid Cell-mediated Immunosuppression and Enhances the Efficacy of Anti-PD-L1 Therapy in Breast Cancer*, which was completed by the research group of professor Lian Zhexiong from the Institute for Life Sciences of South China University of Technology, in cooperation with the research group of professor Yang Zhenye from the School of Life Sciences of University of Science and Technology of China.

AACR出版集团旗下期刊*CANCER RESEARCH*刊登了华南理工大学生命科学研究院廉哲雄教授课题组与中国科学技术大学生命科学学院杨振业教授课题组合作的研究论文“Aurora-A inhibition eliminates myeloid cell-mediated immunosuppression and enhances the efficacy of anti-PD-L1 therapy in breast cancer”。研究发现Aurora-A抑制剂alisertib具有直接重塑乳腺癌肿瘤微环境的作用，可以将对免疫治疗相对“冷”的肿瘤变“热”，增强免疫治疗的效果。该研究系统阐述了Aurora-A的抑制剂alisertib对乳腺癌肿瘤微环境的影响，揭示alisertib可以选择性直接清除免疫抑制细胞MDSC，为临床乳腺癌的治疗提供了重要的指导意见。

AR-based Interactive Platform between Man and Historic Architecture
Thanks !
第十二届建设与管理创新大赛ICCEM12
第十二届“高教杯”
2019年广东省职业技能竞赛
广东省CAD机械设计职业技能竞赛

7. Students from South China University of Technology excelled in competitions

华南理工大学赛事连连喜获佳绩

In the final of the Innovation Competition in Construction Engineering and Management (ICCEM), the participating teams of South China University of Technology performed well. Among them, the works entitled *Talking Building: AR-based Interactive Platform between Man and Historic Architecture* and *Evaluation for Riding Behavior of Take out Workers* won the second and third prize respectively. In addition, the works entitled *Research on Sharing Car Transfer Mode Outside of the Service Network*, *Automatic Evaluation Mechanism for Construction Workers Comfort* and *A Novel Indoor Localization and Navigation Method Based on BIM and Computer Vision* won excellence awards.

在国际建设工程与管理创新竞赛（ICCEM）决赛中，华南理工大学参赛队伍表现优异，其中“Talking Building——基于AR技术搭建人与历史建筑多元交互平台”获二等奖，“基于传感器和图像识别技术的外卖配送员骑行行为评价”获三等奖，“基于多传感器技术及深度学习的施工人员舒适度自动评价机制开发与应用”、“基于BIM与计算机视觉的室内定位导航技术”、“基于用户实时需求的共享汽车使用权网点外转移模式”获优秀奖。

Award Level	Project
Second Prize	Talking Building: AR-based Interactive Platform between Man and Historic Architecture
Third Prize	Evaluation for Riding Behavior of Takeout Workers
Excellence Award	Research on Sharing Car Transfer Mode Outside of the Service Network
Excellence Award	Automatic Evaluation Mechanism for Construction Workers Comfort
Excellence Award	A Novel Indoor Localization and Navigation Method Based on BIM and Computer Vision

The 12th "Higher Education Cup" National Innovation Contest in Advanced Mapping Technology and Product Information Modeling for College Students was held on July 22 at Ningbo Institute of Technology, Zhejiang University. The team from South China University of Technology won the group first prize, and a number of individual first prizes in 3D printing project and modeling/hand drawing contests. Among them, Du Jingyuan, an industrial design major from the School of Design, was ranked fifth in the modeling contest. Since first participating in 2009, teams from South China University of Technology have won a total of 10 group first prizes in the contest.

第十二届“高教杯”全国大学生先进成图技术与产品信息建模创新大赛于7月22日在浙江大学宁波理工学院举行，华南理工大学获团体一等奖，同时获3D打印项目以及多项个人建模/手绘一等奖，其中设计学院工业设计专业学生杜靖源获得建模总排名第五名。据了解，华南理工大学自2009年组队参加“高教杯”以来，已累计获得10次团体一等奖

2019 世界名校足球赛
2019 世界名校足球赛
WEUFT
Elite University Football Tournament 2019
2019 世界名校足球赛
World Elite University Football Tournament 2019
6

8. The 2019 World Elite University Football Tournament held at South China University of Technology

交流足球　深化情谊　2019年世界名校足球赛在华南理工大学举行

The 2019 World Elite University Football Tournament was held at South China University of Technology on July 13. Twelve teams from world-class universities including Cambridge University, University of Southern California, University of Tubingen, and Tsinghua University took part in the tournament. Gao Song, President of South China University of Technology, Wan Lijun, Deputy Director of the Department of Physical Education, Health and Art Education of the Ministry of Education, and Shi Zongkai, Deputy Director of the Tsinghua University Council attended the opening ceremony and delivered speeches. After nine days of fierce competition, the University of Tubingen defeated Witwatersrand University with a final score of 1-0 to win the championship. This is the third consecutive year that the University of Tubingen has received its championship.

2019世界名校足球赛于7月13日在华南理工大学举办。剑桥大学、南加州大学、图宾根大学、清华大学等12支世界名校的球队参加角逐。华南理工大学校长高松、教育部体育卫生与艺术教育司副司长万丽君、清华大学校务委员会副主任史宗恺出席开幕式并致辞。经过9天的激战，最终德国图宾根大学以1:0战胜金山大学，获得冠军，这也是图宾根大学连续第三年夺冠。

The 2019 World Elite University Football Development Forum was held during the tournament. As an important international academic exchange activity, the forum focused on campus football from an international perspective, introduced the development of campus football in universities at home and abroad, shared the experience of campus football development at elite universities across the globe, and explored the training mode of campus football talents.

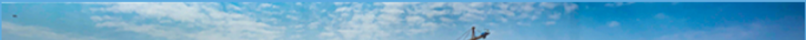
活动期间还举办了2019世界名校足球发展论坛，此次论坛作为赛事期间的一项重要的国际学术交流活动，立足国际视野，聚焦青少年校园足球，梳理国内外高校校园足球发展现状，分享国际一流大学校园足球发展的经验，探索校园足球人才培养模式和路径。

9. The School of Business Administration of South China University of Technology obtained AACSB international accreditation and reached high international standards

华南理工大学工商管理学院获AACSB国际认证整体实力达到国际高水平

On July 26, after deliberation by the AACSB Initial Accreditation Committee (IAC) and resolution of the AACSB Board of Directors, the School of Business Administration of South China University of Technology officially passed AACSB accreditation and obtained full five-year accreditation. Up to now, only 5% of business schools in the world have obtained AACSB accreditation, and the School of Business Administration of South China University of Technology has become one of the 24 business schools in mainland China that have obtained it. The expert group spoke highly of the School of Business Administration of South China University of Technology, and believed that its work was solid and effective.
AACSB, established in 1916, is a non-profit organization mainly composed of world-renowned business schools. It is committed to improving the level of higher education in business schools and is an internationally recognized accreditation body for business schools. The sponsors of AACSB International Accreditation include Harvard University, Columbia University, Cornell University, University of Pennsylvania, Yale University, and University of Wisconsin.

7月26日，经AACSB初始认证委员会（IAC）审议以及AACSB董事会决议，华南理工大学工商管理学院正式通过AACSB认证，并获得五年满额认证。截至目前，全球仅有5%的商学院获得AACSB认证，华南理工大学工商管理学院成为内地24家获得AACSB认证的商学院之一。专家组给出了高度正面评价意见，认为华工工商管理学院的各项工作扎实有效。 据悉，AACSB成立于1916年，是以世界著名商学院为主构成的非盈利组织，致力于提高商学院高等教育水平，是全球商学院国际著名认证机构。AACSB国际认证的发起成员包括哈佛大学、哥伦比亚大学、康乃尔大学、宾夕法尼亚大学、耶鲁大学、威斯康星大学等。



10. The Inaugural Opening Ceremony of Guangzhou International Campus of South China University of Technology was held successfully

华南理工大学广州国际校区首届开学典礼成功举行

On the morning of September 29, the 2019 Opening Ceremony of Guangzhou International Campus of South China University of Technology was held, and 2,419 students in Guangzhou International Campus started a new journey. A number of academicians and experts from home and abroad, representatives of overseas universities and the Ministry of Education, provincial and municipal leaders, alumni representatives, heads of all participating units and a number of media all witnessed this historic moment.

9月29日上午，华南理工大学广州国际校区举行2019年开学典礼，2419名入住广州国际校区的2019级学生正式宣告开启人生新的征程。多位国内外院士专家，与广州国际校区开展国际合作的海外高校代表、教育部、各省市领导、校友代表、所有参建单位的负责人以及多家媒体共同见证这一历史性时刻。

The four-party agreement to jointly establish Guangzhou International Campus was signed in March 2017 by the Ministry of Education, Guangdong Province, Guangzhou City, and South China University of Technology. The campus covers an area of approximately 1.13 square kilometers and has a total construction area of 1.4 square kilometers. Groundbreaking for the project took place on May 9, 2018. The first phase of the project was put into use in August 2019 to welcome new freshmen. The campus will be fully completed in 2021. At present, Guangzhou International Campus has four colleges, namely, the School of Molecular Science and Engineering, School of Biomedical Science and Engineering, Shien-Ming Wu School of Intelligent Engineering, and School of Microelectronics.

据悉，广州国际校区是由教育部、广东省、广州市、华南理工大学四方于2017年3月签署共建，占地面积约1700亩，总建筑面积为140万平方米，项目已于2018年5月9日奠基，首期建设于2019年8月份交付启用，迎接首批本科生入驻;2021年校区将全面建成。目前首批建设的学院有分子科学与工程学院、生物医学科学与工程学院、吴贤铭智能工程学院、微电子学院等4个学院。

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