港中大（深圳）举行
第五届研究生毕业典礼

奋勇向前
鹏程万里

11 月 21 日，在南国锦绣的冬季里，香港中文大学（深圳）隆重举行第五届研究生毕业典礼。

486 名研究生满载人生新的收获，踏上未来可期的新征程。港中大（深圳）校长徐扬生教授等大学主管人员、各学院教授与毕业生亲友出席了毕业典礼。此次研究生毕业典礼采用露天、分散式和网络直播相结合的方式进行，部分毕业生亲友与社会各界人士通过云端观礼，与港中大（深圳）师生一起见证并祝贺第五届研究生毕业生的荣耀时刻。

在致辞中，校长徐扬生教授以深圳四十年翻天覆地的变化和改革开放带来的巨大动力为例，启发同学思考其中蕴涵的深刻启示和值得学习的精神。

致辞结束后，校长徐扬生教授为优秀毕业生颁发证书。徐校长希望毕业生能保持深圳人的精神，把自己的命运与国家的发展和大湾区的机遇联系在一起，投身到火热的社会主义示范区建设中去。

本届毕业生是从港中大（深圳）毕业的第五届研究生毕业生，共 486 人，他们分别来自会计学、经济学、金融学，计算机与信息工程，同声传译、翻译（笔译／口译）、应用心理学，数据科学、金融工程以及供应链与物流管理高级管理人员理学专业，其中包含首届四位博士毕业生，他们来自计算机与信息工程专业。

今年毕业的研究生在校期间表现优异，很多同学在读期间参与学科竞赛或取得科研成果，在国内外期刊、会议发表论文，参与国家自然基金项目。其中，人文社科学院学生在多次全国口译大赛和英语演讲比赛中荣获奖项，数据科学硕士项目同学在国际级 AI-Trans 全球智能网络传输竞赛中获奖。

今年，港中大（深圳）迎来首届博士毕业生，他们均来自理工学院的计算机与信息工程哲学博士项目。在校期间，他们多次在国际知名期刊和会议发表多篇论文，所从事的研究课题也都是符合国家战略发展需求的前沿课题和攻坚项目。

人文社科学院的应用心理学理学硕士专业自 2018 年招生以来，今年也有了第一届 25 名毕业生。大部分毕业生将进入高校及科研院所例如浙江大学、中南大学、大数据研究院等单位工作，一部分毕业生将进入如国家开发银行、腾讯、华为等单位，工作地点主要集中在深圳、北京等一线城市。部分毕业生将继续到国际知名高校进行深造，也有毕业生在深圳建立心理创业项目，目前已进入初步运营。应用心理学理学硕士专业开办以来，社会反响热烈，入学竞争相当激烈，很多来自国际一流高校的毕业生选择申请该项目就读。

主讲嘉宾——中国银监会原主席刘明康教授：
秉承"博文约礼"精神，成为助力中国积极力量

深圳之所以伟大，不是因为其土地辽阔，是因为它永远对外敞开大门，无论进来的是熟悉还是不熟悉的伙伴；不是因为拥有了某几个行业的天之骄子，是因为成千上万的深圳人脚踏实地工作，从不盲目跟风；不是因为它被赋予了经济特区或先行示范区的称号，是因为深圳人敢想敢做，大胆拼搏，一言一行均体现着国际化的标准。

做好事永远不要期待任何回报，跟随自己的内心，做正确的事情即可；始终关注最重要的事物：良好的健康、个人成长和社会影响，这是我们社会所真正需要的东西。

主讲嘉宾——中国科学院院士唐本忠教授：
希望同学们突破旧范式，开辟新领域

我们从实验室得到各种各样、五花八门的实验数据。我们必须从那些看似寻常或"不寻常"的实验结果中找出重要的科学问题。我们的 AIE 研究就源于一个很小的实验"异常"。我们抓住这个稍纵即逝的机会，挖掘了它所涉及的基础科学问题，踏上了解决这些问题的征程。

如果一项研究只停留在现象观察阶段而不进一步刨根问底、深究其因，它最多只能算作一门 art，无法腾飞。只有当搞清其工作机制之后，art 才有可能发展成为 science。我们花了很多时间和精力去探讨理解 AIE 过程，最终建立了分子内运动受限或 RIM 模型并将其发展成为一个解释 AIE 效应的通用机理。RIM 机理使我们能够科学合理地设计新型 AIE 基元并探索其实际技术应用。

虽然科学进步并不一定总是导致技术创新，但"有用的"科学显然更有可能吸引更广泛的受众。

CUHK- Shenzhen Held the Fifth Graduation Ceremony for Postgraduate Students

On November 21, The Chinese University of Hong Kong, Shenzhen held the Fifth Graduation Ceremony for Postgraduate Students, symbolizing the embarkation of 486 graduate students on a new journey into a promising future. The ceremony was graced by the presence of President Yangsheng Xu, university officers, faculty staff, as well as friends and relatives of the graduates. To meet the requirements of pandemic control, the ceremony was held in open air with a live webcast provided for people who were not able to attend.

In the opening speech, President Xu encourages graduates to learn from the inspiration and the spirit behind the dramatic changes in Shenzhen over the past 40 years under the reform and opening up policy.

Following the speech, President Xu presented certificates to the outstanding graduates, who were ready to make a change in Shenzhen, the engine of the Greater Bay Area and the country's first pioneering demonstration zone for socialism with Chinese characteristics. With their Shenzhen spirit and with the numerous opportunities being created in the city, they can contribute to the growth of the city and a better society.

The fifth cohort of postgraduate students of CUHK-Shenzhen represents a total of 486 students in various programmes, ranging from Accounting, Economics, Finance, Data Science, Computer & Information Engineering (including four inaugural doctoral graduates), Translation & Interpreting Studies, Simultaneous Interpreting, Applied Psychology, Financial Engineering, to Supply Chain and Logistics Management (EMSc-SCLM).

Many of these outstanding graduates have made excellent academic achievements during their studies, such as participating in academic competitions and NSF projects, obtaining research results, and publishing papers in national and international

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journals and conferences. Among them, students from the School of Humanities and Social Sciences have won awards in several national interpreting competitions and English speech competitions; students from the Data Science programme have won prizes in the international AI–Trans Global Intelligent Network Transmission Competition.

This year, CUHK–Shenzhen welcomes its first class of Ph.D. graduates from the Computer and Information Engineering programme at the School of Science and Engineering. During their time at the university, they have published a number of papers in international journals and conferences, and have worked on cutting–edge and hard–hitting research projects that meet the needs of national strategic development.

The Master of Science in Applied Psychology programme at the School of Humanities and Social Sciences has also had its first class of 25 graduates this year since its enrollment in 2018. Most of the graduates will join universities and research institutes such as Zhejiang University, Central South University, and Shenzhen Research Institute of Big Data (SRIBD), while some will serve in organizations such as the China Development Bank, Tencent, and Huawei, with workplaces concentrating in first–tier cities such as Shenzhen and Beijing. Besides, some of the graduates will go on to further study at famous international universities or get self–employed with their psychological entrepreneurship project in Shenzhen. Since its inception, the programme has gained great popularity, attracting talented applicants from top universities from home and abroad.

Remarks by Prof. Mingkang Liu
Former Chairman, China Banking Regulatory Commission
"Embracing the spirit of 'through learning and temperance to virtue'and becoming a considerably positive force for China"

In his speech, Professor Mingkang Liu, former Chairman of the China Banking Regulatory Commission (CBRC) and Director of the Shenzhen Finance Institute (SFI), reviewed the extraordinary year of 2020. He said: "On the geopolitical front, the noisy US election finally settled down, but the uncertainty in the China–US relationship remains a top concern for officials, entrepreneurs and scientists. That said, we should be noted, that each cloud has a silver lining. China's economic recovery has been stronger than expected, becoming the only one with growth among G20 countries. And this was achieved against the backdrop of the tariff–driven trade tensions with the US for nearly 30 months and the economic contraction resulting from the COVID–19 outbreak."

Remarks by Professor Benzhong Tang
Academician, Chinese Academy of Sciences
"Paradigm Shift for a New Landscape"

Professor Tang shared with the students his philosophical reflections and insights from this wonderful journey of discovery.

(i) As we access various experimental data from the laboratory, we have to find the important scientific questions in the seemingly normal or "unusual" experimental results. Our AIE research stems from a small experimental "anomaly". We seized this fleeting opportunity to dig into the basic scientific questions involved and set out on a journey to solve them.

(ii) If a research remains at the stage of observing a phenomenon without further investigating its causes, it can only be considered as an art at best, which is not likely to evolve into a science unless we figure out its mechanism. Therefore, we have spent a lot of time and effort to explore and understand the AIE process, and finally developed the restriction of intramolecular motions (RIM) into a general mechanism to explain the AIE effect, which enabled us to scientifically design novel AIE primitives and explore their practical technical applications.

(iii) While scientific progress does not always lead to technological innovation, "useful" science is clearly more likely to appeal to a broader audience.

香港中文大學（深圳）成立
城市地下空间及能源研究院
CUHK- Shenzhen Establishes Institute of Urban Underground Space and Energy Studies

11月25日上午，我校举行城市地下空间及能源研究院成立仪式暨东南沿海经济发达地区干热岩开发战略研究高峰论坛。

香港中文大学（深圳）城市地下空间及能源研究院由中国工程院院士何继善担任创院院长，目前已邀请八位院士及多名教授领衔四大研究领域。研究院作为香港中文大学（深圳）的二级机构，将采用与国际接轨的管理模式和运营模式，致力为粤港澳大湾区建设成为充满活力的世界级城市群和具有全球影响力的国际科技创新中心提供有力的科学保障和技术支撑。

何继善院士在致辞中提出，目前资源短缺和能源匮乏已经成为制约各国经济社会发展的瓶颈，调整能源结构、改变能源不合理结构的现状，是克服能源制约的首要问题。地热能作为一种清洁环保的新能源，具有储量巨大、分布广泛、绿色环保、稳定可靠等特点，未来前景广阔，尤其是在东南沿海经济发达地区开展干热岩开发利用将成为研究院的重要研究领域之一。

研究院将充分利用粤港澳大湾区的地域特点，开展城市地下空间安全防控、城市战略储备能源、海洋城市战略物资勘探开发和智能感知探测系统等综合研究，在深圳乃至粤港澳大湾区科学探测和开发城市地下空间、地热能源和海洋资源，结合深圳在电子信息、大数据、云计算等产业优势与人才优势，打造集理论研究、仪器开发、示范应用于一体的具有国际影响力的学术研究中心和综合研究平台。

在随后举行的东南沿海经济发达地区干热岩开发战略研究高峰论坛中，来自多所高校的专家教授分别做主题演讲。地热科学研究是未来能源科学研究重要方向，同时也是国家科技部、教育部等部委重点研究项目，干热岩的开发利用是其中的主要组成部分。我国干热岩资源非常丰富，开发前景广阔，加快开发利用干热岩将对能源结构调整、减少温室气体排放、改善环境具有重要意义。专家认为，地下空间探测和研究与大数据研究、智联网络有机结合，能有力推动智慧城市、透明地球的构建。而我国地热资源目前仍处勘探开发初期阶段，前景广阔，未来应用方向包括油田高温高压异常区开发、余热利用等等。

The establishment ceremony of the Institute of Urban Underground Space and Energy Studies (IUSE) at The Chinese University of Hong Kong, Shenzhen was held on the morning of November 25, 2020, in conjunction with the Strategic Research Forum on the Development of Hot Dry Rock in Southeast Coastal Economically Developed Areas.

The Institute of Urban Underground Space and Energy Studies (IUSE) is a secondary institution of The Chinese University of Hong Kong, Shenzhen, with Jishan He, an academician of the Chinese Academy of Engineering, as its founding director. Currently, the Institute has identified four major research areas led by eight invited academicians and professors. Boasting a management and operation model that is in line with international standards, IUSE is committed to providing strong scientific and technological support for the development of the Guangdong–Hong Kong–Macau Greater Bay Area into a vibrant world–class city cluster and an international center of science and technology innovation with global influence.

As academician Jishan He suggested in his remarks, resource shortage and energy scarcity has become a bottleneck restricting the economic and social development of countries, while energy mix adjustment and optimization constitute the primary issue to overcome related constraints. With abundant reserves and massive potential for application, geothermal energy is a green, low-carbon, and stable solution to this conundrum. Therefore, the Institute has taken the development and utilization of dry hot rocks in the economically developed areas of the southeast coast as one of its important research fields.

In general, the Institute will make full use of the regional advantages of the Guangdong–Hong Kong–Macao Greater Bay Area to carry out comprehensive research on the prevention and control of urban underground space security, urban strategic energy reserves, exploration and development of strategic materials for marine cities, and intelligent sensing detection systems. It aims to evolve into an internationally influential academic research center and comprehensive research platform of theoretical research, instrument development and pilot applications, through leveraging Shenzhen's industrial and human resource advantages in electronic information, big data, cloud computing and other industries, and exploring urban underground space, geothermal energy and marine resources in the city and the Greater Bay Area at large.

Following the establishment ceremony, experts and professors from several universities delivered keynote speeches for the concurrent Strategic Research Forum on the Development of Hot Dry Rock in Southeast Coastal Economically Developed Areas. Geothermal energy studies, with the development and utilization of dry hot rocks as its cornerstone, is an important direction for future energy research as recognized by the Ministry of Science and Technology and the Ministry of Education, among other national authorities. In view of China's rich and promising dry hot rock resources, faster development and utilization of this energy source will greatly promote energy restructuring, reduce greenhouse gas emissions, and improve the environment. Experts believe that the organic combination of underground space exploration and research with big data research and IoT will strongly impel the construction of smart cities and transparent earth. As this energy source is only in the early stage of exploration and development in China, there is considerable potential to be explored, including the development of High Pressure, High Temperature (HPHT) and the utilization of waste heat.

香港中文大学（深圳）高科技成果亮相第二十二届高交会

　　11月11日，第二十二届中国国际高新技术成果交易会在深圳会展中心开幕，本届高交会以"科技改变生活，创新驱动发展"为主题，展览总面积达12万平方米以上（含分会场）。香港中文大学（深圳）此次共有三个研究团队参展，分别来自深圳市大数据研究院、理工学院——深圳市物联网智能系统与无线网络技术重点实验室与先进高分子材料研究院。

　　深圳市大数据研究院开发团队设计和创立的参会展品——太古分析平台（Dagoo）是一个在线数据可视化分析平台，可提供数据获取、清洗、分析、可视化的全套解决方案，包含百余个可视分析工具。旨在降低数据分析门槛，帮助非专业用户迅速上手，助力专业人士快速完成轻量级工作，达到节约时间，提高效率的作用。

　　深圳市大数据研究院是在深圳市委、市政府的支持下，由加拿大皇家科学院院士、香港中文大学（深圳）学术副校长罗智泉教授创建，致力于成为国际一流的"大数据研究机构和协同研发平台"的深圳市基础研究机构。

　　深圳市物联网智能系统与无线网络技术重点实验室 (IoT Lab) 智慧灯柱项目由香港中文大学（深圳）理工学院杨升浩教授带领研发，主要从事未来的存储、通信和计算模式等应用研究。本次参会展品——基于

分批稀疏编码的智慧灯柱，目前已应用于香港智慧路灯项目，香港观塘、九龙湾等地率先安装 52 支灯柱。此灯柱系统集定位、Wi－Fi 及 5G 基站功能于一身，亦可放置智能装置，收集城市数据等。该产品凭借其创新性的 BATS 技术荣获瑞士日内瓦第四十七届国际发明展评判嘉许特别金奖，在展会上一经亮相，即吸引多方关注，引起围观。

　　本次展会上，香港中文大学（深圳）先进高分子材料研究院向公众普及先进高分子材料在高端电子信息设备、智能制造、医疗器械、航空航天、海洋工程等重点产业的广泛应用，体现其在国民经济、社会发展和人民生活的各个领域的重要性。

　　先进高分子材料研究院团队带头人朱世平教授是加拿大皇家科学院院士、加拿大工程院院士，现任香港中文大学（深圳）副校长。研究院以技术创新为引领，以市场服务为导向，致力于高端聚合物材料的高性能化研究。

　　今年是"十三五"规划收官之年，也是为"十四五"规划启动实施奠定基础的一年，高交会上，各种科技成果闪耀出场，香港中文大学（深圳）集中展示先进高分子材料、人工智能、物联网等方面的科技成果，展现校地合作、技术成果产业化的良好发展趋势，近一步促进"产学研用"在各个层面的有机结合。
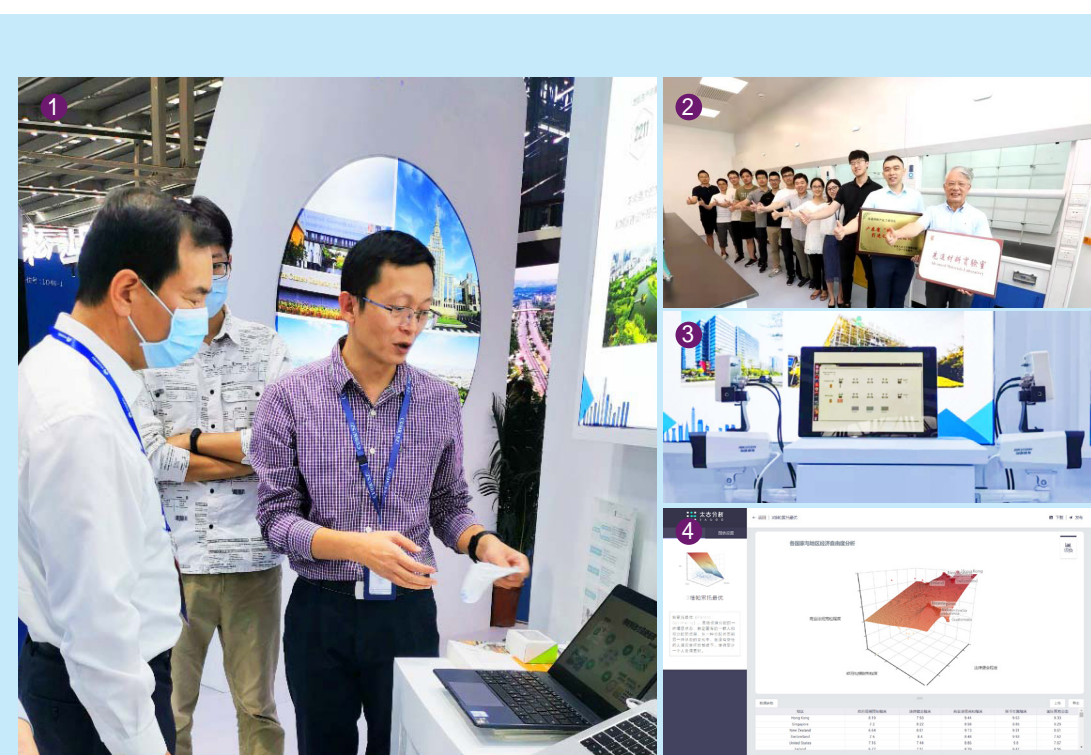
❶先进高分子材料团队成员（右）正在为龙岗区科创局局长桂军昌（左二）进行汇报讲解 ❷先进高分子材料研究院团队 ❸智慧灯柱 ❹太古分析平台软件界面展示

CUHK- Shenzhen High- Tech Achievements Exhibited at the 22nd China Hi- Tech Fair

On November 11, the 22nd China High–Tech Fair (CHTF) opened at the Shenzhen Convention and Exhibition Center. Under the theme "Transforming the Future with Technology and Driving Development with Innovation", CHTF 2020 covers an exhibition area of over 120,000 square meters, and attracts the participation of three research teams from The Chinese University of Hong Kong, Shenzhen, including Shenzhen Research Institute of Big Data (SRIBD), Shenzhen Key Laboratory of IoT Intelligent System and Wireless Network Technology, and Institute of Advanced Polymer Materials.

Dagoo, an exhibit designed and created by Shenzhen Research Institute of Big Data, is an online data visualization and analysis platform that provides a full set of solutions for data acquisition, cleaning, analysis and visualization. With over 100 visual analysis tools, Dagoo seeks to lower the threshold for data analysis, help non–expert users get started quickly, and enable professionals to complete lightweight work quickly, saving time and improving efficiency.

Shenzhen Research Institute of Big Data (SRIBD) was established by the Shenzhen Municipal Party Committee and Shenzhen

Municipal Government and was led by its founding director Prof. Tom Luo, Vice–president of CUHK–Shenzhen and a Fellow of The Academy of Science of the Royal Society of Canada. The institute aims to lead and coordinate the research and development of big–data related innovation in Shenzhen.

The Smart Lamppost project, initiated by Shenzhen Key Laboratory of IoT Intelligent Systems and Wireless Network Technology Laboratory (IoT Lab) and led by SSE Professor Yang Shenghao, is a future–ready programme focused on applications of storage, communication and computing models.

One of its exhibits at this year's CHTF includes a smart lamppost model based on batch sparse coding, which has been applied in Hong Kong's "Multi–functional Smart Lampposts" Pilot Scheme, with 52 lampposts already installed in Kwun Tong and Kowloon Bay. This lamppost system integrates positioning, Wi–Fi and 5G base station functions, and can also place smart devices to collect city data. It is also a winner of the Special Gold Award at the 47th International Exhibition of Inventions held in Geneva, Switzerland for its innovative BATS technology, which attracted a lot of attention since its debut.

At the exhibition, the Institute of Advanced Polymer Materials of The Chinese University of Hong Kong, Shenzhen popularized to the public the wide application of advanced polymer materials in key industries such as high–end electronic information equipment, intelligent manufacturing, medical devices, aerospace, ocean engineering, etc. This reflected their importance in the national economy, social development and various aspects of people's lives.

Spearheaded by Professor Zhu Shiping, Vice–president of CUHK–Shenzhen and a Fellow of The Academy of Science of the Royal Society of Canada, the institute is dedicated to the research of high performance of high–end polymer materials, with technological innovation as its guide and market service as its orientation.

This year is the closing year of the 13th Five–Year Plan, and also a year to lay the foundation for the start of the 14th Five–Year Plan. The achievements in advanced polymer materials, artificial intelligence and internet of things displayed by CUHK–Shenzhen at CHTF 2020 not only showcases a good momentum of university–region cooperation and industrialization of technological achievements, but also further facilitates the organic integration of "industry–university–research–application" at various levels.

Marlene Amstad

The Handbook of China's Financial System edited by SME Scholars Launched

　　香港中文大学（深圳）经管学院熊伟教授、Marlene Amstad 教授与中国人民银行货币政策司司长孙国峰教授编纂的《中国金融系统手册》正式发布，旨在构建适合中国经济金融体系的标准。本书撰稿人均为来自于学界、政府、和金融机构的知名学者和专家，对中国金融问题有着长期的观察和思考。

　　中国是世界上最重要的经济体之一，中国的成功很大程度上取决于其金融系统。评估中国的金融系统，需要以中国的独特特点为基础，不能以西方的模型或框架来分析和看待中国问题，需要建立适合中国体系的标准。《中国金融系统手册》旨在成为一本全面、深入且权威的中国金融系统指南。

　　《中国金融系统手册》深入探讨了中国金融系统的核心部分，主题囊括了银行、债券、股票市场、资产管理、养老金及金融科技等当下热点经济金融问题。每一章节均由来自学界、政府、和金融机构的知名学者和专家撰写，他们掌握很多一手资料，并对中国的金融问题有着长期的观察和思考。作为首本关于中国金融系统的权威性书籍，本手册将对中国金融系统的发展历程、运作方式以及重大改革前景和方向做出崭新的诠释。

The Handbook of China's Financial System edited by Prof. Xiong Wei and Prof. Marlene Amstad from SME, CUHK-Shenzhen, and Prof. Sun Guofeng, Director General of the Monetary Policy Department of the People's Bank of China, is launched. This handbook aims to serve as a comprehensive, in-depth, and authoritative guide to China's financial system. Contributors of this book represent a unique mix of scholars and policymakers, many with firsthand knowledge of setting and carrying out Chinese financial policy.

About The Handbook of China's Financial System

The Chinese economy is one of the most important in the world, and its success is driven in large part by its financial system. Though closely scrutinized, this system is poorly understood and vastly different than those in the West. The Handbook of China's Financial System will serve as a standard reference guide and invaluable resource to the workings of this critical institution.

The handbook looks in depth at the central aspects of the system, including banking, bonds, the stock market, asset management, the pension system, and financial technology. Each chapter is written by leading experts in the field, and the contributors represent a unique mix of scholars and policymakers, many with firsthand knowledge of setting and carrying out Chinese financial policy. As the first authoritative volume on China's financial system, this handbook sheds new light on how it developed, how it works, and the prospects and direction of significant reforms to come.

Edited by Marlene Amstad, Guofeng Sun, and Wei Xiong

The Handbook of China's Financial System
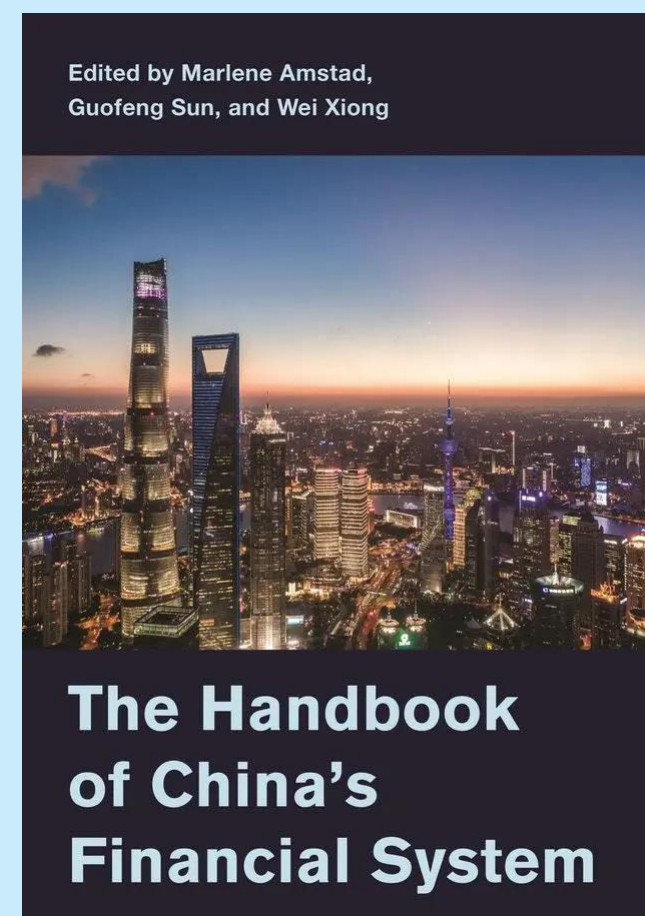
张大鹏、叶德全、黄宪达三位教授
入选 2020 全球 "高被引科学家" 名单

近日，2020 年度全球"高被引科学家"名单发布，香港中文大学（深圳）三位校长讲座教授——张大鹏教授、叶德全教授、黄宪达教授上榜。其中，数据科学学院张大鹏教授已连续七年入选该榜单。生命与健康科学学院叶德全教授首次上榜，是今年中国内地唯一入选的药理学与毒理学领域"高被引科学家"，黄宪达教授已连续两年入选该榜单。

"高被引科学家"榜单每年由科睿唯安（Clarivate Analytics）发布，旨在遴选出全球自然科学和社会科学的顶尖人才。数据来源于科睿唯安 InCites 平台上的 Essential Science Indicators（ESI）数据库以及学术研究平台 Web of Science，统计过去 11 年（2008-2019 年）发表论文及总引用次数。入榜的科学家均发表了多篇高被引论文，其被引频次位于同学科前 1%，彰显了他们在同行之中的重要学术影响力。

叶教授的研究领域是免疫学、药理学。其主要研究方向包括 G 蛋白偶联受体的信号转导及在固有免疫细胞中的作用，炎症机制和病理模型及相关药物靶标的发现。叶教授在开展教学与科研的同时，还担任多个国际学术期刊包括 Pharmacological Reviews 及 Physiological Reviews 的副主编。

张大鹏教授是香港中文大学（深圳）数据科学学院教授、校长讲座教授、深圳市人工智能与机器人研究院（AIRS）计算机视觉研究中心主任。

他是国际图像和图形学报（IJIG）以及 Springer 国际生物识别丛书（KISB）的创始人和主编，30 多年来一直从事模式识别，图像处理以及生物特征识别研究，是掌纹识别、中医四诊量化及人脸美学等研究领域的开创者和领军人。其研究成果屡多次获奖，如中韩授予的发明金奖及特殊金奖、日内瓦发明展银奖，以及香港特别行政区最高科学技术奖项"裘搓（Chroucher Foundation）优秀科研者"奖等。张教授已出版了 20 多部相关专著，400 余篇国际期刊论文和 40 多项美国、日本、香港特别行政区、中国专利。从 2014 年开始，他已连续七年被 Clarivate Analytics（科睿唯安）列为"高被引科学家"。

张教授还是 IEEE 计算机学会杰出演讲人，以及美国电气和电子工程师学会（IEEE）和国际模式识别协会（IAPR）会士。2019 年，在国际计算机科学和电子学的 Top 1000 名科学家评选中，张教授以 H-Index 115 排名前 85。2020 年 9 月，张大鹏教授凭借其在生物特征识别领域的卓越成就，当选加拿大皇家科学院院士。

叶德全教授是香港中文大学（深圳）生命与健康科学学院院长、校长讲座教授及医学院筹建办代理主任。

叶德全教授 1982 年本科毕业于上海第二医学院（现上海交通大学医学院），并于 1988 年获美国圣路易斯华盛顿大学博士学位。自 1989 年起，他先后在 Scripps 研究所及伊利诺伊大学医学院担任助理教授、副教授、教授，其科研项目获美国国立健康研究院连续资助 25 年。他先后与强生、诺华、GSK 等公司开展研发合作，作为第一发明人获批美国专利 2 项、中国专利 1 项，共同发明人专利 2 项。

黄宪达教授是香港中文大学（深圳）生命与健康科学学院助理院长、校长讲座教授及瓦谢尔计算生物研究院执行院长。

黄宪达教授于 2003 年获得台湾中央大学资讯工程学系博士学位。他曾任台湾交通大学生物科技学系讲座教授、台湾交通大学生物科技学系主任及生物科技学院副院长、台湾生物资讯学会理事长及台湾教育部五年五百亿计划交大生物资讯中心主任。

黄宪达教授的研究主要集中在计算生物、生物信息、基因体学、宏观基因组学、智能生物医药科技（药物设计、基因检测、精准医疗）、生物数据库设计与开发等领域，曾获台湾科技杰出研究奖（2010 年及 2015 年），吴大猷先生纪念奖 - 优秀年轻学者（2009 年）。

黄教授入榜跨学科领域"高被引科学家"，主要基于他在生物信息学研究领域的贡献。黄教授已发表 165 篇学术论文，被学界广为引用，其中包含 Science, Nucleic Acids Research, Hepatology,PLoS Biology, J. of Clinical Investigation 等高质量期刊。黄宪达教授所开发的 MicroRNA 数据库（miRTarBase），目前为国际认可汇集最完整数据的微小 RNA 生物数据库，已广为全世界科学家所使用，在生命科学与生物医药领域有重大影响。

Three CUHK-Shenzhen Professors Named Highly Cited Researchers

Three professors from CUHK–Shenzhen have earned the honour of being named in the list of "Highly Cited Researchers 2020" released by Clarivate, the global analytics company. They are Prof. David Zhang from the School of Data and Science, Prof. Dequan Ye and Prof. Hsien–Da Huang from the School of Life and Health Sciences.

An overall 6,167 researchers from more than 60 countries and regions were selected for the 2020 list. Most selected researchers are from interdisciplinary fields.

The Highly Cited Researchers list is released every year, identifying researchers who have demonstrated significant influence in their chosen field or fields through the publication of multiple highly cited papers within the last decade.

Professor David Zhang is a Presidential Chair Professor at the School of Data and Science, The Chinese University of Hong Kong, Shenzhen and the Director of Shenzhen Institute of Artificial Intelligence and Robotics for Society. David Zhang graduated in Computer Science from Peking University. He received his MSc in 1982 and his Ph.D. in 1985 in both Computer Science from the Harbin Institute of Technology (HIT), respectively. From 1986 to 1988 he was a Postdoctoral Fellow at Tsinghua University and then an Associate Professor at the Academia Sinica, Beijing. In 1994 he received his second PhD in Electrical and Computer Engineering from the University of Waterloo, Ontario, Canada. From 2005 to 2018, he has been a Chair Professor at the Hong Kong Polytechnic University where he is the Founding Director of Biometrics Research Centre (UGC/CRC) supported by the Hong Kong SAR Government.

Prof. Zhang is both the Founder and Editor–in–Chief of International Journal of Image & Graphics (IJIG) and Springer International Series on Biometrics (KISB); Distinguished Speaker of the IEEE Computer Society; and a Fellow of both IEEE and IAPR. Over the past 30 years, he has been working on pattern recognition, image processing and biometrics, and is a founding researcher in palmprint recognition, computerized TCM and facial beauty analysis. So far, he has published over 20 monographs, 400 international journal papers and 40 patents from USA/Japan/Mainland and HK SAR, China. His research achievements have won many awards, such as the Invention Gold Award and Special Gold Award from China and South Korea, the Silver Invention Award from Geneva's Invention Expo, and the "Chroucher Senior Research Fellowship" Award (Highest Science and Technology Award of Hong Kong Special Administrative Region, China). He has been continuously listed as a Highly Cited Researchers in Engineering by Clarivate Analytics (formerly known as Thomson Reuters) in 2014, 2015, 2016, 2017, 2018 and 2019, respectively. He is also ranked about 80 with H–Index 103 at Top 1000 Scientists for International Computer Science and Electronics.

Professor Ye Dequan graduated from Shanghai Second Medical College in 1982 and received his Ph.D. from Washington University in St. Louis, USA in 1988. Since 1989, he has served as an Assistant Professor, Associate Professor, and Professor at the Scripps Research Institute and the University of Illinois Medical School. His research projects have been continuously funded by the National Institutes of Health for 25 years. His main research interests include signal transduction of G protein–coupled receptors and their role in innate immune cells, inflammatory mechanisms and pathological models and the discovery of related drug targets. He has cooperated with Johnson & Johnson, Novartis, GSK and other companies to develop R&D cooperation. As the first inventor, he was granted 2 US patents, 1 Chinese patent, and 2 joint inventor patents. He published 198 academic papers on SCI and was cited more than 10,000 times. In 2010, he returned to China as Chair Professor at Shanghai Jiao Tong University and Dean of the School of Pharmacy, from January 2015 to January 2019, he served as Chair Professor at the University of Macau. Academic part–time work includes Associate Editor of FASEB Journal, Associate Editor of Pharmacological Reviews, Associate Editor of Physiology Reviews, Molecular Pharmacology and the editorial board of the British Journal of Pharmacology.

Hsien–Da Huang is a Professor at the School of Life and Health Sciences & the Executive Dean of the Arieh Warshel Institute of Computational Biology, The Chinese University of Hong Kong, Shenzhen. He received his Ph.D. at the Department of Computer Science and Information Engineering, National Central University, Taiwan, in 2003. He was a Chair Professor and Vice Dean at the College of Biological Science and Technology, National Chiao Tung University, Taiwan. During 2009–2016, he was the Chairman at Department of Biological Science and Technology, NCTU. He was also the President of Taiwan Society of Bioinformatics and Systems Biology (2014–2017).

Prof. Huang's research interests majorly focus on biological multi–disciplinary research topics, including Bioinformatics, Genomics, Metagenomics & Microbiome, Intelligent Biomedical Technologies (Drug Development, Genetic Test, & Precision Medicine), AI & Machine Learning, and Biological Database Design & Development. Prof. Huang was the winner of the Outstanding Research Award (2010 and 2015) and Ta–You Wu Memorial Award (2009). He has published more than 160 peer–reviewed publications, mostly in prestigious journals, including Science, Nucleic Acids Research, Hepatology, PLoS Biology, and J. of Clinical Investigation. Prof. Huang's group has developed a microRNA database, miRTarBase, which is an internationally recognized repository for collecting experimental miRNA–Target interaction (MTI). The database is continuously maintained and now broadly utilized and referred in life science and medical research field.

人文社科学院曹蓓博士论文在化学领域
国际顶尖期刊《德国应用化学》发表

近期，香港中文大学（深圳）人文社科学院通识组讲师曹蓓博士与中山大学研究团队在化学领域国际顶尖期刊《德国应用化学》发表题为《通过生物正交激活金(I)配合物在活体的抗癌与催化活性》的研究文章。

该研究发展出一种利用钯诱导的生物正交反应调节金化合物生物反应活性的方法，从而实现对癌细胞的靶向性抑制，这是生物正交反应在相关领域的首次应用，将有力促进金化合物在相关生物领域的进一步发展。曹蓓博士作为论文的共同第一作者，利用理论计算阐释钯诱导生物正交反应的反应路径，为这一新型正交反应的优化设计提供了理论依据。

作为解决传统铂类抗癌药物耐药性问题的重要思路，金(I)配合物具有毒副作用小、作用机理独特的特点，是一类潜力极大的抗癌配合物，同时其在生物催化领域也具有重要应用价值。但由于体内脱靶巯基化合物竞争结合的存在，金(I)配合物在细胞和活体内的应用受到极大限制。
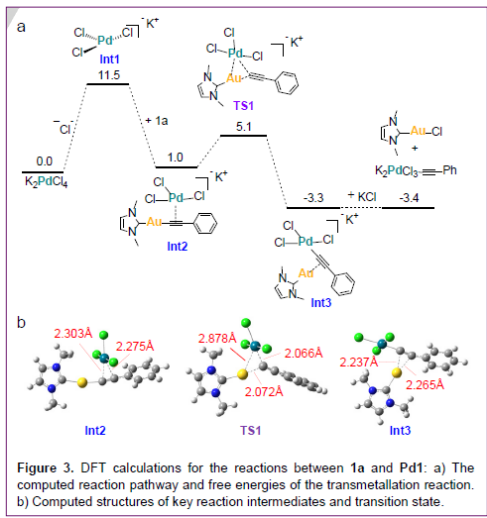
本研究报道了一种利用生物正交反应调控金(I)配合物活性反应活性的有效方法，即通过钯(III)触发的转金属反应激活稳定金(I)配合物，生成体外和体内条件下均具有高度催化活性和细胞毒性的活性金(I)，达到对金(I)配合物生物活性的选择性调控，从而避免金(I)配合物与体内脱靶巯基化合物的竞争结合，达到减少毒副作用的目的。

曹蓓博士在该工作中利用量子力学（密度泛函理论）理论，对转金属反应路径的关键机理进行建模计算。结果显示，转金属反应中存在金-钯相互作用，极大降低了反应能垒。而相同的金(I)配合物与体内脱靶巯基化合物相结合的反应能垒，大大高于金-钯转金属反应的关键能垒，从而为本课题进一步优化筛选钯试剂提供了关键理论支持。该理论计算部分得到了瓦谢尔计算生物研究院在硬件方面的大力支持。

此项研究成果获《德国应用化学》审稿人高度评价，被认为是含金药物领域的重要进展。审稿人认为该研究很好地展示了通过可控方式激活具有良好药用特性的金配合物的细胞内反应性，是一篇扎实而创新的论文。

Figure 3. DFT calculations for the reactions between 1a and PdⅡ: a) The computed reaction pathway and free energies of the transmetallation reaction. b) Computed structures of key reaction intermediates and transition state.

About the Author

曹蓓博士于 2010 年毕业于武汉大学化学与分子科学学院，获理学学士学位；2014 年毕业于香港大学化学系，获哲学博士学位；2015 年至 2017 年在香港大学从事博士后研究（Che, Chi-Ming 教授）。2017 年 8 月起，曹蓓博士执教于香港中文大学（深圳）人文社科学院，她的研究兴趣包含锂离子电池材料的理论计算，密度泛函理论研究过渡金属催化反应，量子力学／分子力学模拟复杂生物生物体系，极化水模型的理论发展 (GFN)。

Dr. Cao received her B.Sc. degree from the College of Chemistry and Molecular Sciences, Wuhan University in 2010, and her Ph.D. degree from the Department of Chemistry, The University of Hong Kong in 2014. She then served as a postdoctoral researcher (with Prof. Che, Chi-Ming) at The University of Hong Kong from 2015 to 2017. Since August 2017, Dr. Cao has been teaching at the School of Humanities and Social Sciences, The Chinese University of Hong Kong, Shenzhen. Her research interests include computational simulation of Li-ion battery, density functional theory calculation on transition metal catalysis, quantum mechanics/molecular mechanics (QM/MM) simulation of complex biological systems, and theory development for polarizable water models (GFN).

Paper by Doctor Cao Bei Published in Prime Chemistry Journal Angew. Chem. Int. Ed.

Bioorthogonal Activation of Dual Catalytic and Anti-Cancer Activities of Organogold(I) Complexes in Living Systems, a joint research paper by Doctor Cao Bei, Lecturer in General Education from the School of Humanity and Social Sciences (HSS), CUHK-Shenzhen, and a research team from Sun Yat-sen University, was published at the prime chemistry journal Angewandte Chemie International Edition.

Her research has developed an approach to modulate the bioreactive activity of gold complex using palladium-induced bioorthogonal reactions to achieve targeted inhibition of cancer cells. This is the first application of bioorthogonal reactions in the related fields, and will be a powerful stimulus for further development of metal complexes in related biological fields. As the co-first author of the paper, Dr. Cao Bei uses theoretical calculations to elucidate the reaction path for such an approach, laying a theoretical basis for the optimal design of this new orthogonal reaction.

About the Research
As an important alternative to traditional platinum-based anticancer drugs that may have intrinsic or acquired resistance,

Au (I) anticancer drugs boast great potential due to their low toxic side effects and unique mechanism of action. Such classification also has significant application value in the field of biocatalysis. However, due to the existence of off-target sulfhydryl compounds competing for binding in vivo, the application of Au(I) complexes in cells and in vivo is greatly limited.

The team has reported a new bioorthogonal activation approach by employing Pd(II) - triggered transmetallation reactions to conditionally activate the bio-reactivity of NHC - Au(I) - phenylacetylide complexes (e.g., 1a) in vitro and in vivo. In this way, it is possible to avoid the competitive binding of Au(I) complexes and off-target sulfhydryl compounds in vivo, and to reduce the toxic side effects.

In this work, Dr. Cao Bei uses Density-functional theory (DFT), a computational quantum mechanical modelling method, to model and calculate the key mechanism of the path of transmetallation reactions. The results show that there are gold-palladium interactions in the transmetallation reactions, which greatly reduces the reaction energy barrier. And in comparison, the same gold(I) complex combined with off-

target sulfhydryl compounds in vivo has a much higher reaction energy barrier than that of the gold-palladium transmetallation reactions. The results have provided key theoretical support for the further optimization of the screening of palladium reagents in this project. Noteworthy, the theoretical calculations of the paper were greatly supported by the Warshel Institute for Computational Biology, CUHK-Shenzhen in terms of hardware.

The results of this study were highly regarded by the reviewers of Angew. Chem. Int. Ed. as an important advance in the field of gold-containing drugs. The reviewers consider the study as a solid and innovative paper that demonstrates well the intracellular reactivity of gold complexes with good pharmacological properties activated in a controlled manner.

About Angew. Chem. Int. Ed.
Angew. Chem. Int. Ed. is one of the prime chemistry journals in the world. With its excellent Impact Factor of 12.959, it is the only journal in the field delivering a stimulating mixture of Review-type articles, Highlights, Communications, and Research Articles.

NeurIPS   4

近日，香港中文大学（深圳）数据科学学院查宏远教授团队的四篇论文被神经信息处理系统国际会议 NeurIPS 2020（Conference and Workshop on Neural Information Processing Systems）收录。论文所述研究均聚焦于提高并改进机器学习的框架模型及算法，且在实际应用中具有良好的性能与表现。

四篇论文分别是 "Network Diffusions via Neural Mean-Field Dynamics"（基于神经平均场动力学的网络传播）、"Learning to Incentivize Other Learning Agents"（学习激励其他智能体）、"Learning Strategic Network Emergence Games"（学习策略性

网络生成博弈）、"Learning Strategic Network Emergence Games"（学习策略性网络生成博弈）。

查宏远教授是香港中文大学（深圳）校长讲座教授，数据科学学院副院长（科研）、深圳市人工智能与机器人研究院副院长。查教授在计算机等相关领域的主流科技期刊和顶级学术会议上发表约 290 篇论文，谷歌 H-index 76，总引用率超 23600 次。他曾荣获"莱斯利福克斯奖二等奖、第 26 届 NeurIPS "最佳论文奖" 等多项重要学术奖项。

NeurIPS 是一个关于机器学习和计算神经科学的国际会议。该会议固定在每年的 12 月举行，由 NeurIPS 基金会主办。NeurIPS 是机器学习领域的顶级会议。NeurIPS 2020 接受的论文主要覆盖神经网络、深度学习、强化学习。

Papers of Prof. Zha Hongyuan's team
Accepted in Conference and Workshop on Neural Information Processing Systems

Four papers of Prof. Zha Hongyuan's team were included in Conference and Workshop on Neural Information Processing Systems (NeurIPS 2020). The four papers are "Network Diffusions via Neural Mean-Field Dynamics," "Learning to Incentivize Other Learning Agents," "Learning Strategic Network Emergence Games," and "Learning Strategic Network Emergence Games", focusing on the framework model and algorithm of machine learning.

Prof. Zha Hongyuan is the Presidential Chair Professor of CUHK-Shenzhen and Associate Dean of School of Data Science and AIRS. He has published about 290 papers in mainstream journals of science and technology and top academic

conferences in computer-related fields, with a Google H-index of 76 and a total citation rate of over 23,600 times. He has received many well-recognized academic awards, including the second prize of Leslie Fox Award and the 26th NeurIPS "Best Paper Award".

Conference on Neural Information Processing Systems (NeurIPS) is an international conference on machine learning and computational neuroscience, which is held annually in December and organized by the NeurIPS Foundation. NeurIPS is the leading conference in the field of machine learning, and the papers accepted for NeurIPS 2020 mainly cover neural networks, deep learning, and reinforcement learning. 9467 manuscripts were submitted to NeurIPS 2020, of which 1899 papers were accepted, with an acceptance rate of about 20.06%.

ICT　　　2020　"　　　　　　　　"
ICT China (2020) Technological Innovation & Application Award Goes to SSE/FNii Head Prof. Cui Shuguang

10 月 15 日，港中大（深圳）校长讲座教授崔曙光荣获 ICT 中国（2020）"技术创新应用奖"。

由中国联通研究院、香港中文大学（深圳）联合申报的"中国联通异构数据与深度学习创新行业应用及平台"从全国 2000 余个项目中脱颖而出，最终获得"技术创新应用奖"。该项目旨在融合运营商网络运行数据、互联网行为数据及行业应用数据，建设大数据深度学习平台，探索大数据在环保、教育、交通等多个民生领域的应用，释放产学研合作的创新力量。

ICT 中国（2020）案例评选设置了"城市创新规划奖"、"技术创新应用奖"、"优秀解决方案"和"企业创新先锋奖"共四类奖项。全国共 26 个项目获得技术创新应用奖，该奖项的评选侧重考量新一代信息技术在智慧城市建设、行业应用方面的创新性；同时获奖案例已经得到实际应用，具有可行性及实用性。

China Unicom's Innovative Industry Application and Platform for Heterogeneous Data and Deep Learning, a project jointly initiated by China Unicom Research Institute and The Chinese University of Hong Kong, Shenzhen with SSE Professor Cui Shuguang as a researcher, won the ICT China "Technological Innovation & Application Award" on October 15 at PTEXPO from among over 2,000 projects nationwide. The award-winning project aims to fuse operators' network operation data, Internet behavior data and industry application data to build a big data deep learning platform that empowers people to explore the application of big data in environmental protection, education and transportation, thus unleashing the innovative power of industry-university-research cooperation.

Reportedly, ICT China (2020) has set up four award categories for this year's case selection, including "City Innovation Planning Award", "Technological Innovation & Application Award", "Excellent Solution Award" and "Enterprise Innovation Pioneer Award". A total of 26 projects across the country were awarded under the Technological Innovation & Application category, which highlights those cases that have been practically applied with feasibility and practicality by innovatively integrating new-generation information technology in smart cities and industries.

HSS Faculty Xiaoyu Li's Project Funded as General Project for Guangdong's Philosophy and Social Science

近期，广东省哲学社会科学规划领导小组办公室正式公布 2020 年度广东省哲学社会科学"十三五"规划立项名单，香港中文大学（深圳）人文社科学院李潇雨老师申报的项目《近代西方中国图像学中的华南海疆研究》获得一般项目立项。

广东省哲学社会科学"十三五"规划项目由广东省哲学社会科学规划领导小组主办。该小组受省委、省政府委托，领导全省哲学社会科学规划工作，统筹协调全省哲学社会科学研究和事业的发展。该规划项目包含一般项目、青年项目、岭南文化项目和后期资助项目。获资助的一般项目将有助于推进理论创新和学术创新的基础研究，及有助于推动经济社会发展实践的应用研究。

李潇雨老师的课题《近代西方中国图像学中的华南海疆研究》将从跨学科的角度进行图像学研究。该研究将着重讨论图像以及具体的符号如何形成一个独立且复杂的、具有特定运作逻辑的意义生产机制，考察近代西方如何生产关于中国的知识。

具体研究中，李潇雨老师一方面将对华南海疆图像进行脉络式探索，对其中的外销画、摄影、水彩画、铜版画等系统讨论，在图像体系内部建立类型比较研究；也试图拓宽图像研究的范式，将图像材料纳入社会史、传播史、文化史的讨论范畴。另一方面李潇雨老师也将重点分析近代西方人的视觉作品如何建构兼具繁荣、落后、文明、低等的华南形象，并讨论这些矛盾形象背后的文化、政治意义。

Recently, the Guangdong Planning Office of Philosophy and Social Science has announced the list of 2020 Thirteenth Five-Year Plan Projects for Guangdong Province's Philosophy and Social Science. The list features a general project, Study of South China Coastal Frontiers in Modern Western Iconography, applied by Xiaoyu Li at the School of Humanities and Social Sciences, CUHK-Shenzhen.

The Thirteenth Five-Year Plan Projects are sponsored by the Guangdong Provincial Philosophy and Social Science Planning Leading Group, which is entrusted by the provincial Party committee and government to lead the planning of the province's philosophy and social sciences studies and coordinate the development of related research and undertakings. There are four project categories, including general projects, youth projects, Lingnan culture projects and post-funding projects. The funded general projects are basic research that promotes theoretical and academic innovation, and applied research that facilitates economic and social development in practice.

Ms. Li's project will take an interdisciplinary approach to iconography research, with a focus on how images and concrete symbols form an independent and complex mechanism of meaning production with a specific logic of operation, and how knowledge about China is produced in the modern West.

On the one hand, Li will explore the images of South China's sea border, discussing the system of export paintings, photography, watercolor paintings, and copper engravings, and establishing a comparative study within the image systems. She will also try to broaden the paradigm of image research, including image materials into the discussion of social history, communication history, and cultural history. On the other hand, Li will focus on the analysis of how the visual works of modern Westerners construct the image of South China as prosperous, backward, civilized, and inferior, and discuss the cultural and political meanings behind these contradictory images.

深圳市人工智能与机器人研究院朱熹教授、博士研究生徐彦恒在 JPC Letters 上发表研究成果
Paper by AIRS Professor Xi Zhu and Ph.D. Candidate Yanheng Xu's Published in JPC Letters

近日，深圳市人工智能与机器人研究院（简称 AIRS）普适人工智能应用研究中心的朱熹教授团队开发了目前世界上第一套基于区块链和云存储技术的自动实验系统。其研究成果"The Blockchain Integrated Automatic Experiment Platform (BiaeP)"被美国化学学会期刊 JPC Letters 接收。
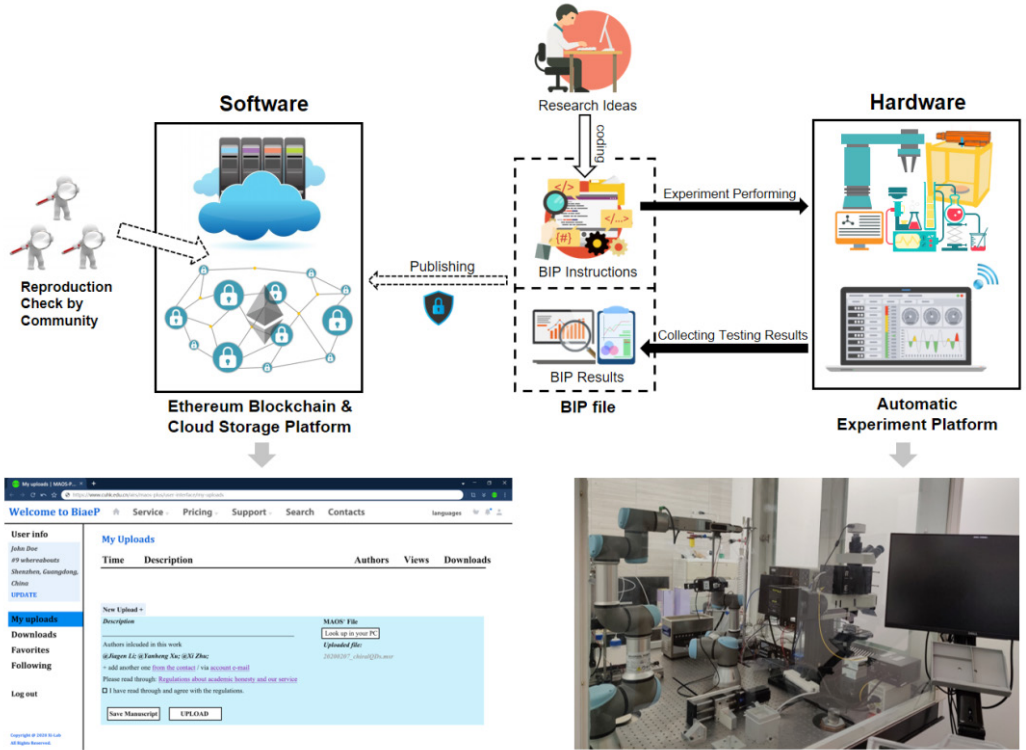
朱熹教授团队此次的研究成果意味着人工智能和区块链技术在生物制药和化学材料领域的落地。朱熹教授表示，这套区块链数据记录系统具有数据共享功能，方便研究者下载公开的 BIP 文件，并基于自己的实验设备，自动或手动重复实验以验证可重复性。

本论文主要作者为 AIRS 卓越博士生徐彦恒和刘汝林，其他作者包括博士生李佳根和徐曜，通讯作者为 AIRS 普适人工智能应用研究中心副主任朱熹教授。

Recently, Professor Xi Zhu's team at the Research Center on Generalized AI Applications of the Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS) has developed the world's first automated experimental system based on blockchain and cloud storage technology. The research result "The Blockchain Integrated Automatic Experiment Platform (BiaeP)" was accepted by the Journal of Physical Chemistry (JPC) Letters.

Prof. Zhu's works imply the implementation of artificial intelligence and blockchain technology in the field of biopharmaceutical and chemical materials. According to Prof. Zhu, their blockchain data logging system has a data sharing function, which allows researchers to download publicly available BIP files and redo experiments automatically or manually to verify the reproducibility based on their own experimental equipment.

The lead authors of this paper go to Yanheng Xu and Rulin Liu, both of whom are AIRS's distinguished Ph.D. students. The coordinating authors include AIRS Ph.D. students Jiagen Li and Yao Xu, with Professor Xi Zhu, Associate Director of the Research Center on Generalized AI Applications, AIRS as the corresponding author.

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Paper by Professor Shuguang Cui's Team at SSE/FNii Shortlisted for ICIP 2020 Best Paper

近日，2020 IEEE 国际图像处理会 (IEEE International Conference on Image Processing) 论文奖评选结果揭晓。在本次大会议中，共有 1689 篇论文参评，最终有 6 篇被选入最佳论文列表。

香港中文大学（深圳）理工学院、未来智联网络研究院崔曙光教授团队成果 Hypergraph-Based Image Processing 成功入围最佳论文列表。该论文第一作者为张松炀，是崔教授在加州大学戴维斯分校与丁崝教授共同指导的博士生。

Hypergraph-Based Image Processing, a paper by Professor Shuguang Cui's Team at the School of Science and Engineering & Future Network of Intelligence Institute, CUHK-Shenzhen, was elected as one of the six finalists (out of 1,689) to the 2020 IEEE International Conference on Image Processing Paper Awards. The first author of the paper is Songyang Zhang, a doctoral student of Prof. Cui and Prof. Zhi Ding at the University of California, Davis.

10月14日上午，深圳经济特区建立40周年庆祝大会隆重举行。中共中央总书记、国家主席、中央军委主席习近平出席大会并发表重要讲话。

中国工程院院士、香港中文大学（深圳）校长徐扬生教授当选深圳经济特区建立40周年创新创业人物和先进模范人物，并作为代表之一受邀参加了庆祝大会。在会上，徐扬生教授仔细聆听了习近平总书记的发言，并作出以下感悟与思考：

第一点，总书记在讲话中提到"对外要有吸引力，对外也要有竞争力"，包括人才的吸引。我觉得这句话讲得非常到位。从整体上讲，深圳特区的发展，包括目前定位为社会主义先行

示范区的发展都需要有"吸引力"。深圳的吸引力一定要做到比其他城市的吸引力更大才行，因为全世界都在竞争，我们的吸引力到底在哪里？这是我们一定要好好思考的问题，需要制定一些特殊的吸引政策。

另外，对外我们也要有竞争力，这句话也讲得非常正确，我们香港中文大学（深圳）这个学校是个国际化的大学，所有的毕业生生后都会在国际舞台展现中国年轻一代的风貌。因此，我们要培养具有强大竞争力的人才，只有有了在国际舞台上有竞争力的人才，中国才可以进一步强大。

第二点，总书记在讲话中把深圳定位为是粤港澳大湾区的引擎。我觉得"引擎"这个词用得非常好。粤港澳大湾区三地，没有一个引擎的话是带不上去的，那么如何来发挥好引擎的作用呢？我觉得包括三个方面：一是科技上的创新，二是制度上的改革，三是人才的培养。这几条都非常重要。引擎作用，就是要在真正根本的意义上发挥作用。

第三点，总书记讲话中让我觉得印象很深的就是"民生"，也就是"人民的利益"。中国共产党除了人民的利益以外，没有别的利益，这是最重要

的东西。人民是我们的血液。这个观点，总书记讲了很多次。我觉得这件事情非常重要，因为整个改革开放，整个特区建设，都是围绕着民生开始展开的，人民是真正知道每个政策到底是好还是坏的。所以，我觉得，我们的医疗事业、教育事业、服务事业等很多的事业，实际上都是围绕着民生展开的。深圳特区政府一定要做好这些关系民生领域的工作。

理工学院黄建伟教授当选 IEEE 网络科学和工程汇刊主编
SSE Associate Dean Jianwei Huang Appointed Editor-in-Chief of IEEE Transactions on Network Science and Engineering

近日，香港中文大学（深圳）理工学院副院长、校长讲座教授黄建伟教授当选 IEEE 网络科学和工程汇刊（IEEE Transactions on Network Science and Engineering - TNSE）的新一任主编（Editor-in-Chief），任期从2021年1月开始。继麻省理工学院的 Ali Jadbabaie 教授和佛罗里达大学的 Dapeng Wu 教授之后，黄建伟教授成为该期刊的第三任主编。

IEEE TNSE 是网络科学领域质量最高、选题最多的顶级期刊之一。根据《期刊引证报告》（JCR）2020年的数据，IEEE TNSE 在2019年的影响因子为5.213，在"多学科工程类"(Multidisciplinary Engineering) 期刊分类里排名3/106，位列 JCR 一区（Q1）。

Prof. Jianwei Huang, Associate Dean and Presidential Chair Professor at the School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen was appointed as the Editor-in-Chief of the IEEE Transactions on Network Science and Engineering (TNSE), with the term beginning in January 2021. Professor Huang is the third Editor-in-Chief of the journal, following Professor Ali Jadbabaie of MIT and Professor Dapeng Wu of the University of Florida.

IEEE TNSE is one of the highest quality and most selective journals in the field of network science. As of 2019, its impact factor was 5.213 according to Journal Citation Reports (JCR) 2020. TNSE is ranked 3/106 and falls into the highest quartile (Q1) in the Multidisciplinary Engineering journal category.

TNSE

IEEE TNSE 是网络科学领域的顶级期刊，横跨通信、社会、生物等多个研究领域，致力于探讨网络科学的理论和应用，以及构成网络系统中各元素之间的相互联系。期刊涵盖的网络类型包括物理和工程网络、信息网络、生物网络、语义网络、经济网络、社会网络和生态网络等。

About TNSE

The IEEE Transactions on Network Science and Engineering is the leading journal in the field of network science, spanning across communication, society, and biology studies. It is committed to timely publishing of peer-reviewed technical articles that deal with the theory and applications of network science and the interconnections among the elements in a system that form a network. The types of networks covered include physical or engineered networks, information networks, biological networks, semantic networks, economic networks, social networks, and ecological networks.
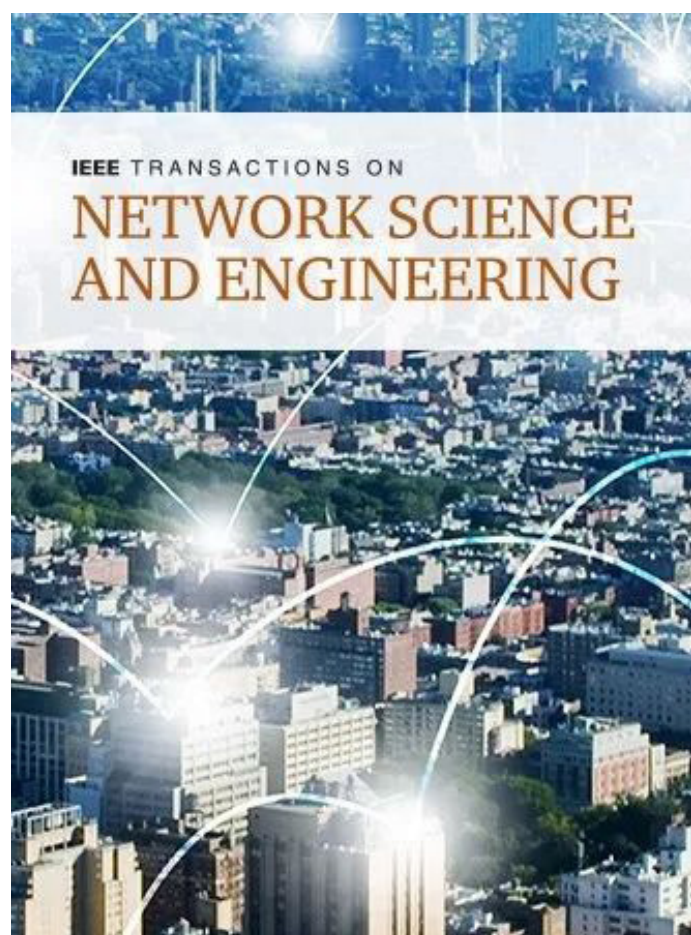
黄建伟为香港中文大学（深圳）校长讲座教授，理工学院副院长，兼任深圳市人工智能与机器人研究院副院长和群体智能中心主任。他是 IEEE Fellow，IEEE 通信学会杰出讲师，科睿唯安计算机科学领域全球高被引科学家，IEEE Open Journal of the Communications Society 副主编。他2005年于美国西北大学获得博士学位，2005-2007年间于美国普林斯顿大学从事博士后研究，2007-2018年间于香港中文大学信息工程系担任助理教授／副教授／正教授。

黄建伟教授在通信网络领域的国际一流期刊和会议上发表论文280余篇，谷歌学术总引用12000余次，H-Index 为58。他与其合作者九次获得国际会议和期刊的最佳论文奖，包括2011年 IEEE 马可尼无线通信论文奖。

黄建伟教授曾任多个通信网络领域 JCR Q1 一流国际期刊的编委，包括 IEEE JSAC/TMC/ToN/TWC/TCCN/TNSE。他历任 IEEE 通信学会认知网络专委会主席和多媒体通信专委会主席。他曾获得2015年 IEEE 通信学会多媒体通信专委员会杰出服务奖和2010年 IEEE GLBOECOM 卓越服务奖。

About Prof. Jianwei Huang

Jianwei Huang is a Presidential Chair Professor and the Associate Dean of the School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen. He also serves as the Vice President of Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS) and Director of the institute's Research Center on Crowd Intelligence. He is an IEEE Fellow, a Distinguished Lecturer of IEEE Communications Society, and a Clarivate Analytics Highly Cited Researcher in Computer Science. He received the PhD degree from Northwestern University (USA) in 2005, worked as a Postdoc Research Associate at Princeton University (USA) during 2005–2007, and worked as Assistant/Associate/Full Professor at the Department of Information Engineering at the Chinese University of Hong Kong during 2007–2018.

Dr. Huang has published 280+ papers in leading international journals and conferences on communications and networking, with a total Google Scholar citations of 12000+ and an H-index of 58. He is the co-author of 9 Best Paper Awards, including the IEEE Marconi Prize Paper Award in Wireless Communications in 2011.

Dr. Huang has served as an Associate Editor of several JCR Q1 journals, such as IEEE Transactions on Mobile Computing, IEEE/ACM Transactions on Networking, IEEE Transactions on Network Science and Engineering, IEEE Transactions on Wireless Communications, IEEE Journal on Selected Areas in Communications – Cognitive Radio Series, and IEEE Transactions on Cognitive Communications and Networking. He has served as an Editor of Wiley Information and Communication Technology Series, Springer Encyclopedia of Wireless Networks, and Springer Handbook of Cognitive Radio. He has served as the Chair of IEEE Communications Society Cognitive Network Technical Committee and Multimedia Communications Technical Committee. He is the recipient of IEEE Communications Society Multimedia Communications Technical Committee Distinguished Service Award in 2015 and IEEE GLOBECOM Outstanding Service Award in 2010.

山麓水边书香致远
——鹏城金秋读书月 走进大学图书馆

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查看图书馆介
绍视频

11月3日，深圳读书月正式启动。为配合"读书让生活更加多彩，阅读让城市更有温度"的活动主题，香港中文大学（深圳）开展大学图书馆深度游活动，让广大市民及媒体记者感受大学图书馆的丰富藏书与文化环境。

读书无法拓宽人生长度，却可以改变人生高度。在6层楼高的香港中文大学（深圳）图书馆里，一层比一层更安静。师生在外面的世界稳步前进，图书馆却像个被隔绝的桃源。这样一座"知识的殿堂"，守住了多少求知若渴的灵魂，又将多少底气赋予那些即将开启人生新旅程的学子。

港中大（深圳）图书馆位于学校中央大道北侧，是该校"山麓建筑"之一。它东临行政楼，西连学生中心，北依山体，建筑周边伴以水塘，动静韵律，和谐雅静。在这座以水平长条体量转折的书架序列和垂直光线穿透书架交错形成的空间里，到处透着国际化元素。

走进图书馆，一面高耸的书架映入眼帘，上面摆满了来自世界各地的图书。港中大（深圳）图书馆总面积约为2万平方米，共有6层，3500余个阅览座位，4个静音舱和87个师生研讨室，其检索和服务终端达到了320台。它打破了以馆藏为中心进行馆舍分割的空间格局，以多层挑高的书架天光大堂为空间中心，让自然光穿过书架自由散布在书本上，为师生营造了一个轻松、舒适的阅读环境。

促进交互、鼓励创新、建立智能化体系是该校图书馆的不变追求。为给师生提供一站式的信息服务，图书馆引进了世界领先的资源发布平台和书籍借还、整理技术，帮助读者便捷、高效地获取信息。"这台自动盘点机器人具备自动无轨导航、自动查书扫书等功能，能在8小时内完成全部馆藏盘点，并将扫描结果与系统数据对比形成报表。"站在4楼一处书架旁，助理馆长王雯斐向记者展示了眼前自动盘点机器人的工作过程，"为提高空间利用率，我们正在筹备3D打印空间和多媒体互动课堂。"

迎山色青葱，拾知识遗珠。图书馆最美的，不仅是设计，更是蕴藏在书籍内的新世界。

目前，港中大（深圳）馆内纸本达14.4万册，包含72236册中文纸本，以及72152册外文纸本。虽然纸本馆藏书目不多，但该图书馆内电子图书总数已超202万部；多媒体资料逾2200种；学术数据库（期刊、数值数据、古籍等）达123个。此外，港中大（深圳）图书馆还是中国高等教育文献保障体系（CALIS）、中国高校人文社会科学文献中心（CASHL）以及国家科技图书文献中心（NSTL）的成员馆，与国内数百家高校图书馆建立了文献传递的合作，并与深圳地区图书馆组建"深圳文献港"，实现了深圳地区纸本资源的馆际互借，为学校教育科研提供了良好的资源支持。

"图书馆对大学来说十分重要，它是阐述大学办学理念、彰显大学风格的地方。港中大（深圳）是一所学贯中西、汇通古今、融合文理的大学，师生既要探索世界顶峰，又要了解传统与历史，所以，我们重视全方面地培养。"在图书馆3楼，记者看到了一排校长藏书架。据了解，这是该校校长徐扬生院士特意从自己藏书中挑选的："想要让学生了解校长和老师所看的书籍。读书不能单追求数量，而应注重质量。"

徐校长认为现今是一个信息时代（Information Age），图书馆对大学而言十分重要的原因它能够满足不同学科的学生对于信息的探索需求。而大学图书馆是一个"Information Hub"，大学对学生教育的方法主要是传输，也就是一种知识的传递。

在开馆时长上，该校图书馆周开馆时间为100余小时，网络服务24小时不间断。"平时图书馆开馆时间为早7点半至晚11点半，但在考试期间，这里是通宵开放的。"王雯斐对记者说。

无论何时，港中大（深圳）图书馆弥漫着一切为读书服务的气氛。即使在闭馆前5分钟，馆员也愿意为师生服务。闭馆后，馆门口永远都有一班校车护送学生回寝室。这种人性化的服务，让大家有一种"知识被尊重"的感觉。

从一片黄土、几块砖瓦，至拔地而起、藏书万卷。香港中文大（深圳）图书馆的成长史也是其教育事业的开拓史，图书馆从

建设伊始，所有的建筑空间与装饰细节都充分为"读书求知"而考虑；建成后的图书馆，是师生的精神家园，让读书人在这里获得滋养，打开新的天地。不忘教育初心，方得育人始终，图书馆与大学，两者互生共荣，一起践行读书育人的理想。

内容来源／徐特客户端，传讯与公共关系处

Reading Season Activity-- Experience CUHK- Shenzhen Library

Reading enriches our life, and there is no better place for reading than a library.

The library of The Chinese University of Hong Kong, Shenzhen is nestled on the north side of the University's Central Avenue. Hailed as one of the "foothill buildings" on campus, it presents a harmonious blend of tranquility and vitality, with the Administration Building on the right, and a corridor leading to the Student Centre on the left. The design of the library breaks the six-floor large volume into two three-floor C shape volume. Through turning and elevating, it becomes coherent with the entrance and green land of the campus, keeps the sight from central green land to the hill, and also maintains a natural landscape for the campus.

The library's center is a hall with multi-storey-high book shelves and skylight. This space extends all the way to the bottom of the building, which is the reading room. The outdoor spaces of the library are yards, corridors, and platforms, and they fit to the indoors hall and rooms, creating frame view for both interior and exterior. The design is based on a high storage efficiency module, and leads indirect light to the reading space through transition from external wall to partition and wood and metal sunshade. On the elevation we designed recessed veranda and open wall, to support a thick and flexural upper volume. And along with people's walk, they can get various views of this building with traditional image and temperament of university.

"The library embodies the spirit of the University", said President Yangsheng Xu. In accordance with the education principle of the University, the library's service is always rooted in the interest of the students and research.

LibGuides, the world's leading content management system, is introduced to the library to integrate its high-quality resources and to provide reference services of excellence. Leganto, an internationally aligned resource list management system, is also available at CUHK-Shenzhen Library for teaching staff to create, access, and manage course resource lists. Beyond that, the Library has adopted Alma, which is widely used by libraries in various countries, to manage resources, and Primo to help readers access library resources easily and efficiently.

With a total area of approximately 20,000 ㎡, the six-storey library offers more than 2,800 study seats, and a total of 320 search and service terminals. The library currently provides access to over 2.48 million e-books, 2,200 sets of audio-visual materials, and 105 academic databases (periodicals, numerical data, ancient books, etc.). It is open to the students and faculties for over 100 hours per week with its Internet service available on a 24/7 basis. Just as what President Xu pursues, "the library should be a quiet yet warm place for learning, scholarship and research."

CUHK-Shenzhen library is now a member of the China Academic Library and Information System (CALIS), the China Academic Social Sciences & Humanities Library (CASHL), and the National Science and Technology Library (NSTL). It has cooperated with hundreds of university libraries in China for inter-library loan and document delivery, and set up the "Shenzhen Document Network" with Shenzhen libraries, an effort to realize the inter-library loan of paper resources in Shenzhen and to support our university's academic research.

With its rich and easily accessible collection of resources, the Library is an academic exchange center for readers to discover and share knowledge. Building on the university's ICT infrastructure, it is endeavored to establish an intelligent library system with the gradual introduction of advanced technologies. A shared learning space that supports creative thinking, encourages interactive and immersive studying and fosters lifelong learning is taking shape and will eventually serve as an integral cornerstone to the University's goal of evolving into a world-class research university.

Committed to forming an "Information Hub" as President Xu mentioned, the library will never cease to advance with the time. Growing alongside the students and maturing alongside the academic achievements, the library's lifeline will stretch with this University.