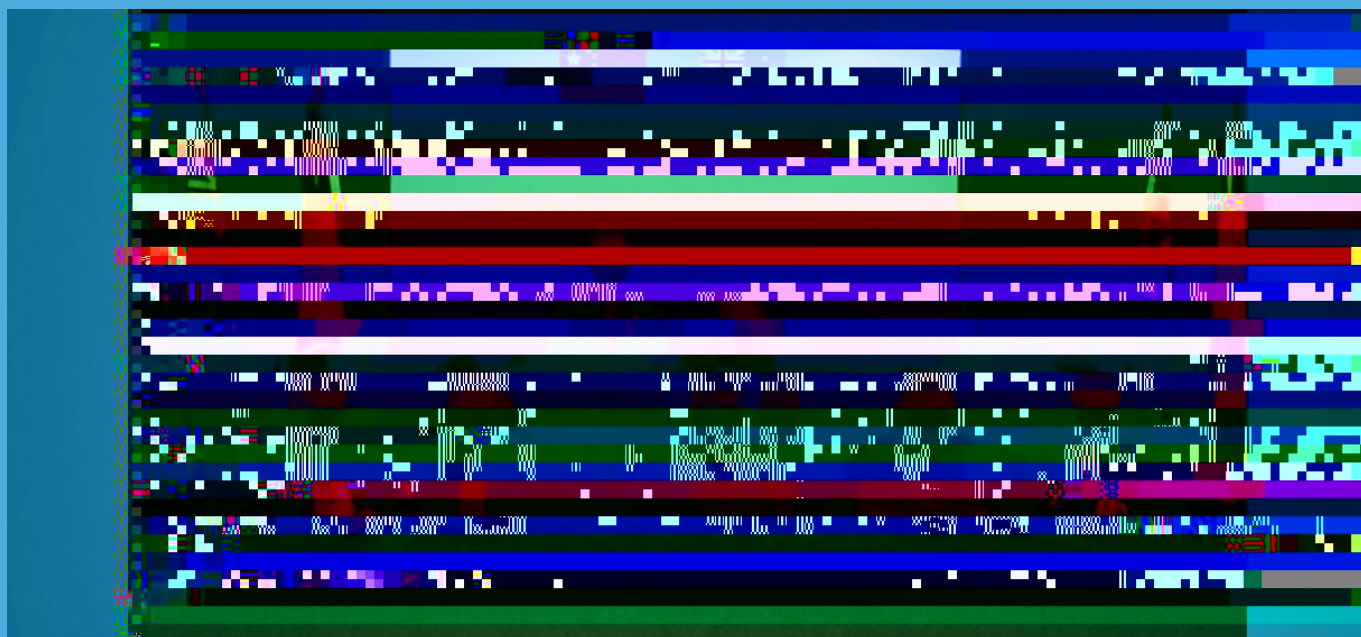




SOUTH CHINA UNIVERSITY
OF TECHNOLOGY



In this June, the Ministry of Education of China and the Ministry of Tertiary Education and Skills of New-Zealand jointly held the China-New Zealand Education Development Forum. Zhang Xichun, Chancellor of South China University of Technology, attended the Forum.

Zhang Xichun and Professor Cheryl de la Rey, Vice-Chancellor of New Zealand's University of

Canterbury, signed a cooperation agreement on the establishment of the "International Cooperation Joint Laboratory on Smart Healthcare Automation". The joint laboratory aims to integrate interdisciplinary research in healthcare and AI, contributing new strengths to scientific innovation, ensuring the two-way flow of talents and technologies, and setting a good example of China-New Zealand cooperation on science and technology.

Cheryl de la Rey “

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The Ministry of Education of China and the Ministry of Higher Education and Research of France jointly held the first Sino-French Education Development Forum in Paris on June 21, 2024. Chinese Minister of Education Huai Jinpeng and French Minister of Higher Education and Research Sylvie Retailleau attended the event and delivered speeches. The forum is one of the important outcomes of the 6th meeting of the China-France High-Level Dialogue Mechanism on People-to-People Exchange.

SCUT Vice President Li Weiqing was invited to lead a delegation to participate in the forum, and, as one of the only three Chinese universities, SCUT renewed its agreement with the University of Nantes regarding the engineering education research program, witnessed by the Ministers of both countries. Li also participated in the parallel session on "Fundamental Sciences, Knowledge Innovation, and Talent Cultivation," where she shared SCUT's initiatives in advancing our international cooperation programs and SCUT's cooperation with our French counterparts.



High-Level

The High-Level Sino-European Dialogue on Materials was held at the Guangzhou International Campus of SCUT on July 8, 2024. Wang Yuzhong, Academician with the Chinese Academy of Engineering, and Rodrigo Martins, Member of the European Academy of Sciences, delivered a speech on behalf of the Chinese and European side respectively. 22 academicians and experts from Chinese Academy of Sciences, Chinese Academy of Engineering, European Academy of Sciences and other institutions had an in-depth discussion on scientific research cooperation, talent cultivation and other subjects, which involved many topics, such as environmental protection, energy development, healthcare, smart manufacturing and material sciences and applications. The Chinese and European sides reached cooperation intentions on many programs. The dialogue boosts China-Europe exchange and cooperation on material sciences and breathes new life into global material sciences development.

2024 7 8

Rodrigo Martins

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The 2024 SCUT Global Summer School of Emerging Engineering and Science Training Program for Innovative Talents started at the Guangzhou International Campus on July 14, 2024. Focusing on the "new and cutting-edge engineering programs", the summer program attaches importance to five key fields: AI, soft matters, biomedicine, chemical engineering and power science and technology innovation. It attracted over 70 international students from 15 overseas cooperative universities of SCUT, including Imperial College London and University of Edinburgh.

The summer program aims at promoting SCUT's line on education of "Internationalization at Home" and "Two Way Mobility", and helping the international students to learn about the scientific frontiers and the latest development of China through interdisciplinary learning of frontier courses and cross-culture study. The 2024 SCUT Global Summer School of Emerging Engineering and Science Training Program, characterized by hands-on experiences in the Guangdong-Hong Kong-Macao Greater Bay Area, involves academic frontier teaching, in-depth research of enterprises, culture immersion and history exploration and is widely acclaimed.

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Kinetic sieving separation of a gating macrocyclic crystal for purification of propylene

Jiazhu Luo^{1,6}, Guokun Yang^{2,6}, Guozhen Zhang^{2,6}, Zhenteng Huang¹, Junjie Peng¹, Yixiang Luo¹, Xinjie Wang³, Cuiting Yang¹, Jun Jiang⁴, Derong Cao¹, Banglin Chen^{5,7} , Hao Tang¹ , Jing Xiao¹ 

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Researchers led by Research Fellow Jing Xiao and Prof. Hao Tang from South China University of Technology, in collaboration with research teams led by Prof. Banglin Chen from Fujian Normal University and Prof. Guozhen Zhang from the University of Science and Technology of China, have reported a new method for kinetic sieving for separating and purifying propylene using a gating macrocycle crystal (GMCs for the first time. The GMCs demonstrated significant potential in propylene purification, providing a new approach for gas purification technologies. This research was published in the top international chemistry journal Chem.

Propylene is one of the most widely produced basic chemical raw materials globally. However, separating propylene from propane is a challenging and energy-intensive process. The GMCs show a significantly higher adsorption rate for propylene compared to propane, making them highly effective in separating these two gases.

GMC

GMC

Chem

GMC



The first Forum for Women Scientists in Marine Engineering was held at SCUT on July 30, 2024. The head of the Chinese Society of Naval Architects and Marine Engineers and 20 female scientists from 17 universities as the representatives participated in the forum. The attending women scientists elaborated on the achievements in their frontier research respectively based on the topics such as "performance study and engineering practice of data-driven marine engineering equipment". The event is of great significance for sci-tech innovation and development promotion as it supports the growth of female scientific and technological workers, builds an exchange and collaboration platform for women scientists in marine engineering, and improves the position and influence of female scientists in the field of ocean engineering.

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Total: 2546	Institutions	Countries/Regions	Web of Science Documents	Cites	Cites/Paper
22	UNIVERSITY	MAINTAIN			
23	ISLAMIC AZAD UNIVERSITY	IRAN	16,244	200,110	11.00
24	DALIAN UNIVERSITY OF TECHNOLOGY	CHINA	17,300	265,261	15.24
25	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	CHINA MAINLAND	13,980	263,314	18.84
26	BEIJING INSTITUTE OF TECHNOLOGY	CHINA MAINLAND	15,969	259,946	16.28
27	NATIONAL UNIVERSITY OF SINGAPORE	SINGAPORE	10,245	250,623	24.46
28	HUNAN UNIVERSITY	CHINA MAINLAND	11,532	249,415	21.63
29	UNIVERSITY OF SCIENCE & TECHNOLOGY	CHINA MAINLAND	11,995	245,427	20.46

InCites Essential Science Indicators, Literature World Sep 12, 2024
For more information, click here

According to the statistics from the Essential Science Indicators (ESI database updated on September 12, 2024, SCUT's engineering entered the world's top 0.01%. It is SCUT's first subject area and the sole subject area in Guangdong province highlighted by the ESI rankings. Engineering encompasses 29 primary disciplines, and among the main supporting disciplines, mechanical engineering, chemical engineering, electric engineering, control engineering, communication engineering and energy engineering all rank among ARWU's global top 50 disciplines.

ESI is an analytical tool to measure research level, and the disciplines that have entered ESI global top 1%, 0.1% and 0.01% are regarded as excellent, distinguished and advanced ones respectively. SCUT currently has 16 disciplines, which have entered ESI global top 1%, 5 for top 0.1%, and 1 for top 0.01%.

2024	9	12	ESI			
				29		
					50	
ESI						
			16	ESI	5	1

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