



“建行杯”**互联网+**
第六届中国国际
大学生创新创业大赛

The 6th China International College Students' "Internet+"
Innovation and Entrepreneurship Competition

Sponsored by China Construction Bank

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Special Report on The 6th China International College Students' "Internet + " Innovation and Entrepreneurship Competition



1. Press conference of the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition held

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On November 11, the Ministry of Education held a press conference on the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition (hereinafter referred to as the Competition). The Department of Higher Education of the Ministry of Education announced that 1.47 million entries had been submitted and 6.31 million participants from 4,186 universities and colleges in 117 countries and regions including China had signed up for the Competition. In response to the COVID-19 pandemic, it was determined that the Competition would be held in a hybrid format that combined both offline and online presentations, with aims to step further ahead in international presence, education, coverage, innovation, and Chinese characteristics.

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As reported, the finals of the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition was held at South China University of Technology (SCUT) from November 17 to 20. With the theme of "Dare to differ, Dare to win", a key aim of the Competition was to step further ahead in international presence, education, coverage, innovation, and Chinese characteristics. The Competition presented "1+6" events, where "1" refers to the main event, and "6" refers to six concurrent events, namely the Red Journey, Matchmaking Conference, Global Innovation and Entrepreneurship Achievement Exhibition, World Forum on Higher Education in Global Bay Areas, Global Unicorn Summit, and Face to Face with Global Youth Academics.

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2. The World Forum on Higher Education in Global Bay Areas opens

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The keynote speakers at the forum included David Haubert, Mayor of Dublin City in Silicon Valley, Michael Brown, Provost and Executive Vice President for Academic Affairs of the University of California (UC) and Yi CUI, Professor at Stanford University from the San Francisco Bay Area; Christopher Molloy, Chancellor for Rutgers University from Sa" iMMCh



3. Top Three Finalists of Higher Education Track of the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition Announced

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From November 17 to 18, the Battle for Gold Medals of the Higher Education Track of the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition was held at South China University of Technology (SCUT). 57 entries from the Chinese mainland, 5 from Hong Kong, Macao and Taiwan regions and 40 international entries were awarded the gold medals. The Top Three were announced at the same time.

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164 projects from the Chinese mainland, 23 from Hong Kong, Macao and Taiwan regions and 111 international projects were shortlisted for the Battle for Gold Medal on the Higher Education Track. Among them, teams from the Chinese mainland presented their entries offline at SCUT, while teams from Hong Kong, Macao and Taiwan region and international teams made their presentations online using the Zoom video conferencing software.

164

23

111

Zoom

In order to minimize the impact of the pandemic, SCUT launched a digital platform for live streaming. Online participation was based on Zoom which also supports simultaneous online interpretation. It is an innovative format to host global events in response to the COVID-19 pandemic.

Zoom

Finally, the entries of FATRI: Leader in China's MEMS Chip Industry from Xiamen University, Energy-efficient Industrial Edge AI Chip and Application from Tsinghua University, and the Communication Satellite Surveying from Beijing Institute of Technology were announced as the Top Three, while Yongwu Aquaculture – the World's Only Supplier in Scale Breeding of Cuttlefish (*Sepia pharaonis*) from Ningbo University won the Best Employment Opportunity Award, Dayin Technology – Innovator in Four-dimensional Stealth and Radar-absorbing Honeycomb Structure from SCUT won the Best Creative Idea Award, and Tongyu Automotive – Leader in Brake by Wire System from Tongji University won the Best Business Value Award.

“ MEMS “ AI
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The Top Three from the Chinese mainland joined the three international entries, namely, Jet Pack MAI from Moscow Aviation Institute (MAI), Advanced Robot-assisted System for Dental Surgery from the Technical University of Munich (TUM), and E-mental Health from Carnegie Mellon University (CMU), on the evening of November 18th for the Battle for Championship.

Robot-assisted System for Dental Surgery" "Jet Pack MAI" "Advanced
"E-mental Health"3 18



4. Face to Face with Global Youth Academics

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On the afternoon of November 18, Face to Face with Global Youth Academics was held at the

University City Campus of South China University of Technology (SCUT) as one of the concurrent events of the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition. Under the theme of "Innovation, Youth and the Future", the young scholars who are listed as global top 35 innovators under the age of 35 (MIT TR35) and young scholars



5. The Champion Unveiled! The Battle for Champion of the 6th "Internet+" Innovation and Entrepreneurship Competition Kicks off

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On the evening of November 18, the Battle for Champion of the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition kicked off at the Central Stadium of Guangzhou Higher Education Mega Center (GZHEMC).

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The Battle for Champion was held under the theme of "Youth, Intelligence and the Future". Industrial leaders, including Christopher Thomas, Chairman of Integrated Insights, Wu Xiaobo, Professor at Zhejiang University, Walker J. Wallace, Managing Partner of Shanghai Office of O'Melveny & Myers LLP, Zhang Shunmao, Senior Vice President of Huawei, and Shen Hui, Founder of WM Motor, were invited as commentators.

" " Integrated Insights

The final battle consisted of three parts: roadshows by competing teams, comments by guests, and a vote by jury panel comprising judges from home and abroad. Affected by the COVID-19 pandemic, the international teams made their presentations online. It was noted that that three international teams invited by SCUT made their way into the Battle for Champion.

Eventually, the Communication Satellite Surveying project from Beijing Institute of Technology scored 1,310 points and won the Battle for Champion. Energy-efficient Industrial Edge AI Chip and Application

from Tsinghua University and FATRI: Leader in China's MEMS Chip Industry from Xiamen University were both runners-up with 1,090 points. Jet Pack MAI from Moscow Aviation Institute (MAI), Advanced Robot-assisted system for Dental Surgery from the Technical University of Munich (TUM), and E-mental Health from Carnegie Mellon University (CMU) were the second runners-up.

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”	”	MEMS	”	1090
“Jet Pack MAI”		“Advanced Robot-assisted System for		
Dental Surgery”		“E-mental Health”		

Project Briefs

Beijing Institute of Technology: Communication Satellite Surveying

As humanity has entered the space WIFI era, surveying is an indispensable key link in the satellite Internet industry chain. The project enables flexibility (for hundreds of application scenarios), high efficiency (100x more surveying efficiency), and low-cost (90% cost savings). The team has reached intentions of cooperation with many top manufacturers in the industry.

WIFI		
	100	90%

Tsinghua University: Energy-efficient Industrial Edge AI Chip and Application

AI

Starting from the demands of application algorithms, this entry optimizes chips and algorithms in a synergetic manner. As the first ultra-low-power industrial IoT AI chip, it enables the convergence of AI, AI chips and IoT technology, tackles the problem of limited data and difficult migration in industrial application, and features advantages of sensitivity, security and convenience.

	AI	
AI		

Xiamen University: FATRI: Leader in China's MEMS Chip Industry

“ MEMS ”

The entry fills the gap of domestic manufacturing of high-end pressure chips. The product can be applied to aerospace, transportation, energy, industry, consumption, electronics and other fields. It features state-of-the-art hard-core technologies, such as the TMR quantum array technology in RCDGX01, with a detectable flowmeter of 33mm and the minimum detectable metal particle diameter of 100µm.

Carnegie Mellon University (CMU): E-mental Health**E-mental Health**

Based on the realistic background of the novel coronavirus and speech, graphic, video and emotion recognition technologies, the entry enables the speech tones, facial expressions and heartbeats to be monitored by a wearable device and artificial intelligence data analysis, and provide basis for simple, accurate, efficient and safe emotional assessment and follow-up intervention. Chen Xingyu, a graduate of the SCUT 2020 Joint Program of Computer Science and Technology, is one of the key members of the team.

2020

The Technical University of Munich (TUM): Advanced Robot-assisted System for Dental Surgery**Advanced Robot-assisted System for Dental Surgery**

Through the research and development of future AI robots for dental surgery, the entry intends to build a cloud platform for profound integration of hardware and software, and make breakthroughs in solving the realistic problems of limited numbers of dental implant doctors, the difficulty of repairing implants, as well as the high cost and low accuracy of artificial implant surgery.

AI

Moscow Aviation Institute (MAI): Jet Pack MAI**JetPack MAI**

The entry is committed to the development and manufacture of aircraft that could adapt to complicated applications, and to the optimization of engine performance and reduction of structural weight, so as to provide assistance in maintenance of wind power facilities, rescue missions in hazardous areas, airport navigation, etc.



6. Global Unicorn Summit Opens to Spread Innovative Ideas and Ignite Entrepreneurial Dreams

On the afternoon of November 19, the Global Unicorn Summit was held at the University City Campus of South China University of Technology (SCUT). Under the theme of "A Road to Innovation and Entrepreneurship in the New Era", outstanding leaders of innovation-oriented enterprises in different industries were present to share their experiences and visionary viewpoints on innovation and entrepreneurship through keynote speeches, panel discussions, and interviews.

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Du Lan, Senior Vice President of iFlytech, Liu Daofu, Vice President of Cambricon, Du Shangbiao, Vice President of Beijing iShansong, and Nicolai Peitersen, Co-Founder of Wikifactory delivered keynote speeches and engaged in dialogues with the audience. Other guest speakers also shared their own stories of innovation and entrepreneurship, passed on the power of passion, exploration, persistence, trust and perseverance to the college students and encouraged them to study hard and hone their skills, seize the opportunity to meet the challenges, and build up strength for forging ahead on the road of innovation and entrepreneurship with Chinese characteristics.

Nicolai Peitersen

The summit was held as one of the concurrent events of the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition against the backdrop of mass entrepreneurship and innovation around the nation. It conveyed the power of innovation and inspired the passion of young college students in entrepreneurship through dialogues with industrial leaders on their own experience and visionary viewpoints in innovation and entrepreneurship.



7. A Melody of Youth, Innovation and Entrepreneurship: the Global Innovation and Entrepreneurship Achievement Exhibition Unveiled

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From November 17 to 20, the Global Innovation and Entrepreneurship Achievement Exhibition was held at the University City Campus and Guangzhou International Campus of South China University of Technology (SCUT) simultaneously. As one of the concurrent events of the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition, the exhibition presented the outcomes and highlights of the Competition and demonstrated the innovative forces among the students. It also made the Competition more recognizable among students and inspired them to be part of the innovation and entrepreneurship trend.

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The exhibition perfectly integrated the competition setting with the campus landscape, featuring an organized layout and arrangement of the competition entries and innovative and entrepreneurial outcomes. Along the campus roads, the exhibition presented 513 entries for the finals, the innovative and entrepreneurial outcomes from various provinces (autonomous regions and municipalities), as well as information about previous competitions.

The special exhibition hall at Guangzhou International Campus consisted of several parts, covering the competition overview and highlights, entries of the Red Journey Track, the innovation-led development, employment-driven innovation and entrepreneurship, Hall of Fame of previous champions, and the COVID-19 pandemic response measures.

The Exhibition offered both an offline experience and online virtual tour, enabling around-the-clock remote visits to the exhibition. The Internet-based thinking and cutting-edge technology helped the exhibition reach a greater audience and fully display the innovative and entrepreneurial outcomes of the college students.



8. 3.665 billion Yuan! Investment Intentions Hit Record High at Matchmaking Conference

36.65

On November 19, the Matchmaking Conference was held at the University City Campus of South China University of Technology (SCUT). As one of the concurrent events the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition, the event attracted 459 investment institutions or independent investors and 2,020 potential projects, with the investment intentions amounting to 3.665 billion Yuan, all hitting record highs.

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With an online project matchmaking platform officially launched on September 28, this edition of Conference presented a full picture of entrepreneurial projects, private resources, and government

policies, with the further aim of offering all-around and one-stop service support. In this way, project owners and investors were able to communicate online in real-time, and achieve accurate, efficient and rapid exchange of intentions. The purpose of the Matchmaking Conference was to create a long-term empowering platform for investment, financing, project implementation and cooperation. Through various means such as online project presentations, intention communication, and offline matchmaking meetings, the Conference has helped facilitate the implementation and development of high-quality projects of this year's and previous competitions. This has exerted a multiplier effect of entrepreneurship-driven employment opportunities.

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The offline meeting on November 19 served as a strong supplement to the online platform. It was intended to promote the in-depth communication and exchange of needs between project owners and investors, and to accelerate the process of financing, implementation and incubation of the competition projects. Several teams presented their projects on-site during the meeting, including Han'in Life Science from the University of Science and Technology of China (USTC), Aerospace Core from Peking University (PKU), Family Farm from the University of Electronic Science and Technology of China (UESTC) and JoinChina Materials from South China University of Technology (SCUT). Chen Dejun, Bao Jianjun and Huang Yuezhen made keynote speeches from the perspectives of government-led incubators, investment institutions, independent investors and upstream and downstream enterprises.

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Invitations to the event were mainly given to industrial parks and enterprises in the Guangdong-Hong Kong-Macao Greater Bay Area (Guangdong). As new resource providers, this marked the first time they worked together with investment institutions and independent investors to empower innovative and entrepreneurial projects, laying a solid foundation for the upgrading and development of the future editions of the Matchmaking Conference.



8. The 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition Successfully Concluded

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Celebrating the dream of creating a world without borders, the Awarding Ceremony of the "CCB Cup" 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition was held on November 19 at the Central Stadium of Guangzhou Higher Education Mega Center (GZHEMC). Hosted by South China University of Technology (SCUT), gold medals were presented at the ceremony to over 100 teams selected from 1.47 million teams from all over the world. SCUT stood out with 10 teams winning gold medals, ranking first in the nation for its total number of gold medals.

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With the theme of "Dare to differ, Dare to win", the Competition attracted 1.47 million entries and 6.31 million participants from 4,186 universities and colleges in 117 countries and regions including China. This edition of the competition was unique in six aspects: the number of entries submitted by universities of the Chinese mainland hit a record high; a great number of prestigious overseas universities participated in the Competition (over half of the world's top 100 universities signed up); a diverse range of projects were submitted to the Competition covering the whole chain of innovation, entrepreneurship and education; the focused efforts of the Red Journey entries in poverty alleviation has seen impressive outcomes; the online and offline events and activities of the Competition synergistically presented numerous highlights; a significant number of employment opportunities were generated by the innovative and entrepreneurial entries of the Competition.

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The Awarding Ceremony was followed by a flag handover ceremony. The 7th China International College Students' "Internet+" Innovation and Entrepreneurship Competition will be held next year at Nanchang University in Jiangxi Province.

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