MONTHLY REPORT

2025.10 University of Science and Technology of China

第11期



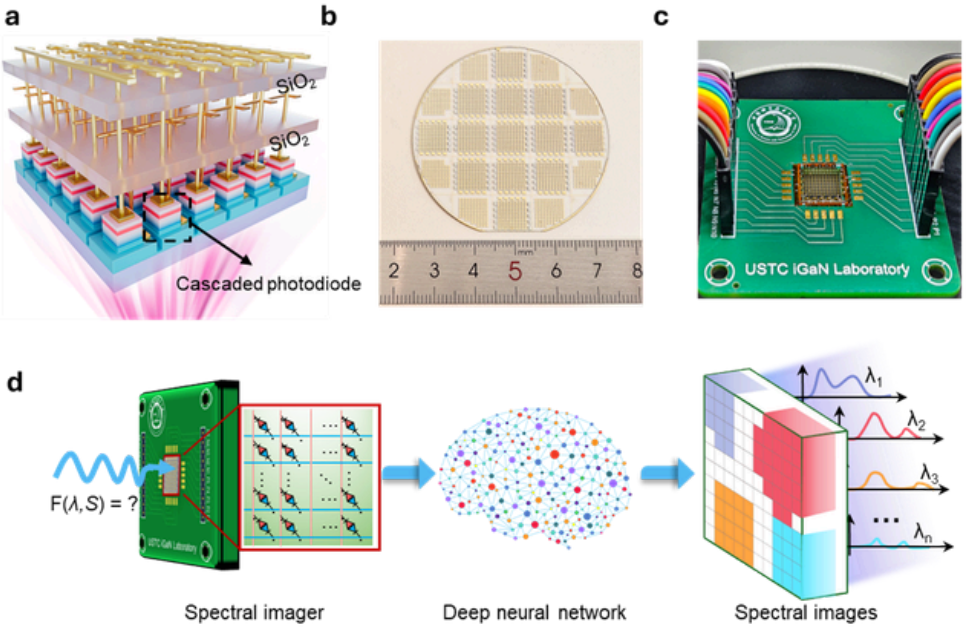
Abstract ◎ Research ◎ News ◎ Alumni

RESEARCH

Oct. 10

READ MORE

USTC Researchers Develop the First Miniaturized Ultraviolet Spectrometer and Spectral Imager



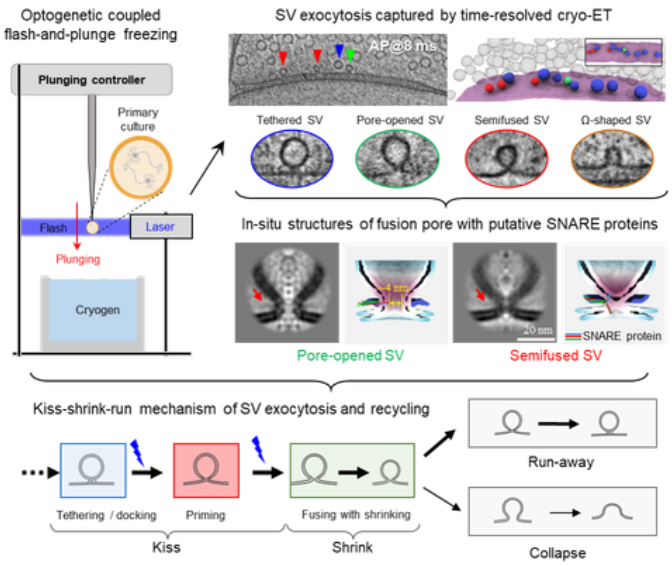
Recently, the iGaN Laboratory led by Professor Haiding Sun at the School of Microelectronics, University of Science and Technology of China (USTC) of Chinese Academy of Sciences(CAS), together with a global collaborative team from Wuhan University, Zhejiang University and University of Cambridge, has successfully developed the first miniaturized ultraviolet (UV) spectrometer and realized on-chip spectral imaging. Based on a novel gallium nitride (GaN) cascaded photodiode architecture and integrated with deep neural network (DNN) algorithms, the device achieves high-precision spectral detection and high-resolution multispectral imaging. With a response speed on the nanosecond scale, it sets a new world record for the fastest reported miniaturized spectrometer. The work was published online in ***Nature Photonics*** on September 26, 2025.

RESEARCH

Oct. 17

READ MORE

USTC Scientists Uncover Mystery of Neurotransmission with Time-Resolved Cryo-ET



A research team led by Prof. BI Guo-Qiang from the University of Science and Technology of China (USTC) of the Chinese Academy of Sciences (CAS), in collaboration with several domestic and international institutions, has resolved a 50-year-old controversy in neuroscience.

By employing a self-developed, time-resolved cryo-electron tomography (cryo-ET) technique, the team has delineated the intricate choreography of synaptic vesicle (SV) release and rapid recycling, the cornerstone of neural communication. Their findings, which introduce a new biophysical mechanism termed the "Kiss-Shrink-Run", were published in ***Science*** on October 17 (Beijing time).

This work overturns the classic dichotomy: SV release is neither pure kiss-and-run nor full-collapse, but includes a key shrinking phase. The "kiss-shrink-run" mechanism unifies the long-debated models and provides a structural basis for the efficiency and fidelity of synaptic transmission. It also offers a fresh perspective on neurotransmission, synaptic plasticity, and related brain functions and diseases. In parallel, the technology establishes an in situ framework to interrogate membrane dynamics and molecular interactions with high spatiotemporal precision.

NEWS

Sep.25

READ MORE

On September 25, USTC international students took on “Boys and Girls Rush Forward” challenge at Anhui TV Station!

The thrilling event marked the official kick-off of the 3rd “Foreigners Tell Anhui Stories” Competition, a platform for cross-cultural exchange and storytelling.

Our students showed the same passion, creativity, and determination that they will bring to sharing their unique perspectives of Anhui and China with the world.

We can’ t wait to see our USTCers continue to shine—telling their stories, showcasing their talents, and making memories in Hefei, Anhui, China!







NEWS

Sep.27

READ MORE

International Friends Cycling Tour

On September 27, international students from USTC joined friends from around the world to cycle along the scenic Chaohu Lake during the “I Love Hefei” 2025 International Friends Cycling Tour!

The event brought together cyclists of different nationalities to enjoy the beauty of nature, experience local culture, and promote healthy lifestyles. For USTCers, it was more than just a ride—it was a chance to connect with Hefei, embrace friendship, and share joyful moments beyond the classroom.









NEWS

Sep.27

READ MORE

Football Match for Newcomers

The West Campus field lit up on September 27 as our USTC Warriors took on the Newcomers in a thrilling friendly match!

Teamwork, slick passes, and cheers from the sidelines made it an unforgettable game.

Big thanks to the FSA Sports Department and the Warriors Football Team for bringing everyone together! Let’ s connect through sports, build community, and celebrate friendship!



NEWS

Oct.6 READ MORE

Mid-Autumn Paper-Cutting

On October 6, International College organized the Mid-Autumn Paper-Cutting event. International students came together to experience this traditional Chinese art under the guidance of Ms. An, crafting intricate designs like “USTC”, “中秋快乐 (Happy Mid-Autumn Festival)”, and “我中国科学技术大学 (I love USTC)”.

As scissors danced across paper, new friendships blossomed, and each artwork became a cherished keepsake of their first Mid-Autumn memories at USTC.







NEWS

Oct.14

READ MORE

2025 USTC Sino-Foreign Cultural Exchange Festival

Do you still remember the aroma, colors, and music of the USTC Cultural Exchange Festival — when students from around the world came together to celebrate friendship and diversity? Those unforgettable moments are returning once again. The 9th USTC Cultural Exchange Festival is coming soon, filling our campus with energy, laughter, and the vibrant spirit of global culture.

Though miles may separate you from USTC, you are still a vital part of this story. After the festival, we will share photos and videos so you can relive those joyful scenes and feel connected with the USTC family once more. Wherever you are in the world, we hope this message rekindles the warmth and pride of being part of our global USTC family.



NEWS

Oct.16

READ MORE

USTC International Admissions

USTC International Admissions 2026 are now open to all international students. We warmly invite our alumni to help share this opportunity with friends, family, or colleagues who may be interested in studying in China.

Online Application: http://isa.ustc.edu.cn

Application Time: Oct. 16, 2025- Jan. 31, 2026

Website: http://ic.ustc.edu.cn/en/ **Email**: isa@ustc.edu.cn

Tel.: 86-551-63603343 86-551-63600220 **Fax:** 86-551-63603531



ALUMNI

Vithiyapathy Purushothaman

BL17024004

School of Humanities and Social Sciences

INDIA







Indian Research Scholars Delegation Visit to China in 2017

As an Indian-based Chinese Scholar since 2014, visiting China was a dream that became a reality in 2017. The Embassy of the People’ s Republic of China in New Delhi has organized a 10-day think-tank researcher’ s delegation visit to Beijing, Shanghai, and Chengdu.

ALUMNI

The visit has opened a new gateway, providing me with a broader and more visionary understanding of China. Furthermore, in the same year, I joined my PhD program at the University of Science and Technology of China (USTC) in Hefei through the Ministry of Human Resource Development (MHRD) of India and China's Ministry of Foreign Affairs exchange program. Primarily, I stayed at the Institute of Advanced Technology (IAT), where I learned Chinese for three months. Shifting to the North campus and USTC accommodations, as well as engaging in the research activities of Prof. Song Wei, have widened the horizon of opportunities. Complementing these endeavors were invitations to present at prestigious national and international academic forums across China, as well as recurring guest lectures in Prof. Song Wei’ s courses. These platforms facilitated intellectual exchange with scholars, researchers, and experts from universities nationwide. Concurrently, engagements at conferences, symposia, and estate visits deepened interdisciplinary dialogue and collaboration. Such opportunities represent rare professional milestones in any academic trajectory.

Research Journey With Prof. Song Wei and His Research Team





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I extend profound gratitude to Mr. Li Bijian, then-serving Minister Counsellor of the Chinese Embassy in India (2017), whose encouragement and endorsement of my application for the Chinese Government Scholarship proved pivotal. This scholarship provided sustained financial support, which was critical to completing my doctoral studies. I also acknowledge the China Scholarship Council (CSC) for its continued support in maintaining my research momentum throughout 2022.



Many Cultural Events organized by the International College (ISO) of USTC have provided an excellent opportunity to participate around the clock. There were numerous programs and cultural activities that not only provided a chance to learn about Chinese culture but also to exchange various practices with students from all over the world present at USTC. Yearly, Cultural Activity and Sports Events are unforgettable for any USTCers to remember.

ALUMNI



Among many activity groups, one regular practice that was close to my heart is martial arts, where I earned a Black Belt in Double Ninja and had the opportunity to perform on stage, leading the group.





Martial Arts practice and Performance

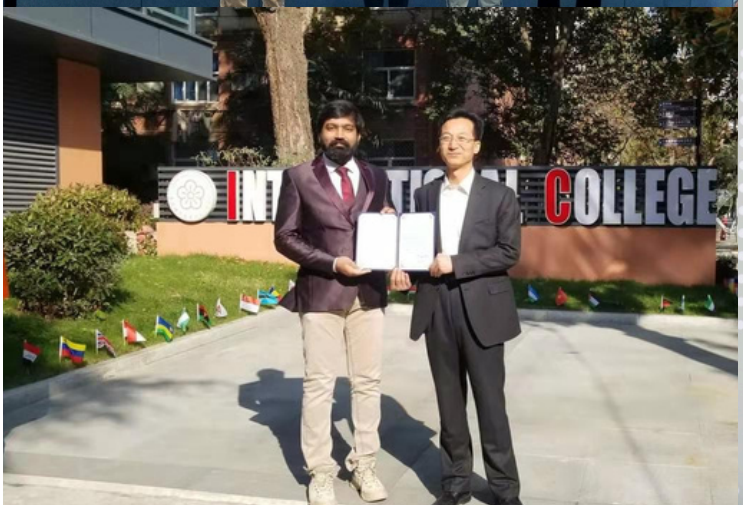
From cultural activities that showcased rural, urban, and modern China to academic activities featuring numerous events to present, participate in, and lecture. My educational journey in China at USTC provided me with the opportunity to experience cultural and academic visits to Henan and Yunnan, as well as participate in extracurricular ISO activities, which have enriched my perspective of China. Therefore, the PhD opportunity at USTC has enlightened my preliminary observation of China.

ALUMNI

In a word, it’s a marvelous journey filled with many details of learning and memories to be cherished for a lifetime. The annual evaluation and credit system at USTC exemplifies rigorous academic scrutiny, fostering continuous growth. My heartfelt appreciation extends to the CSC and USTC for bestowing the USTC Outstanding International Student Award for Academic Excellence (2020), the Chinese Government Excellent International Student Scholarship (2020), and the Best Activity Participation Award (2021). These accolades, symbolizing exceptional recognition in China’s academic sphere, have invigorated my scholarly resolve. Special acknowledgement is owed to Prof. Song Wei, whose mentorship and dedication to nurturing global talent have profoundly shaped my academic journey. I am also equally indebted to Prof. 石云里 (Shi Yun Li), Dean of the School of Humanities and Social Sciences at USTC.

Received Three Major Awards at USTC

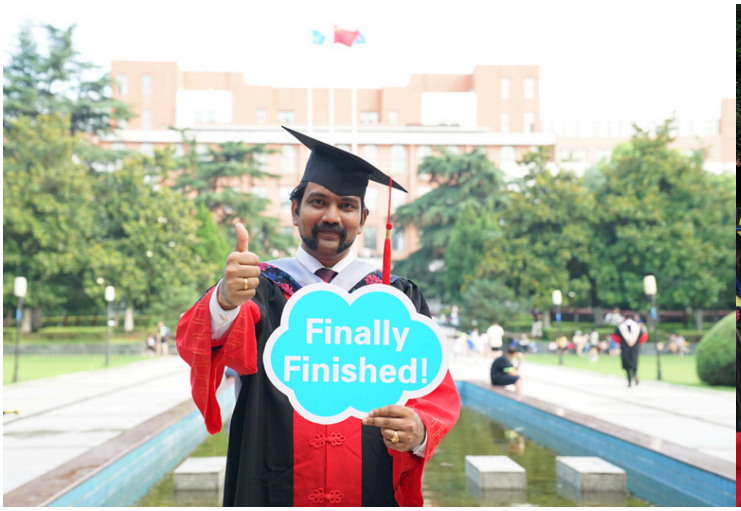






ALUMNI

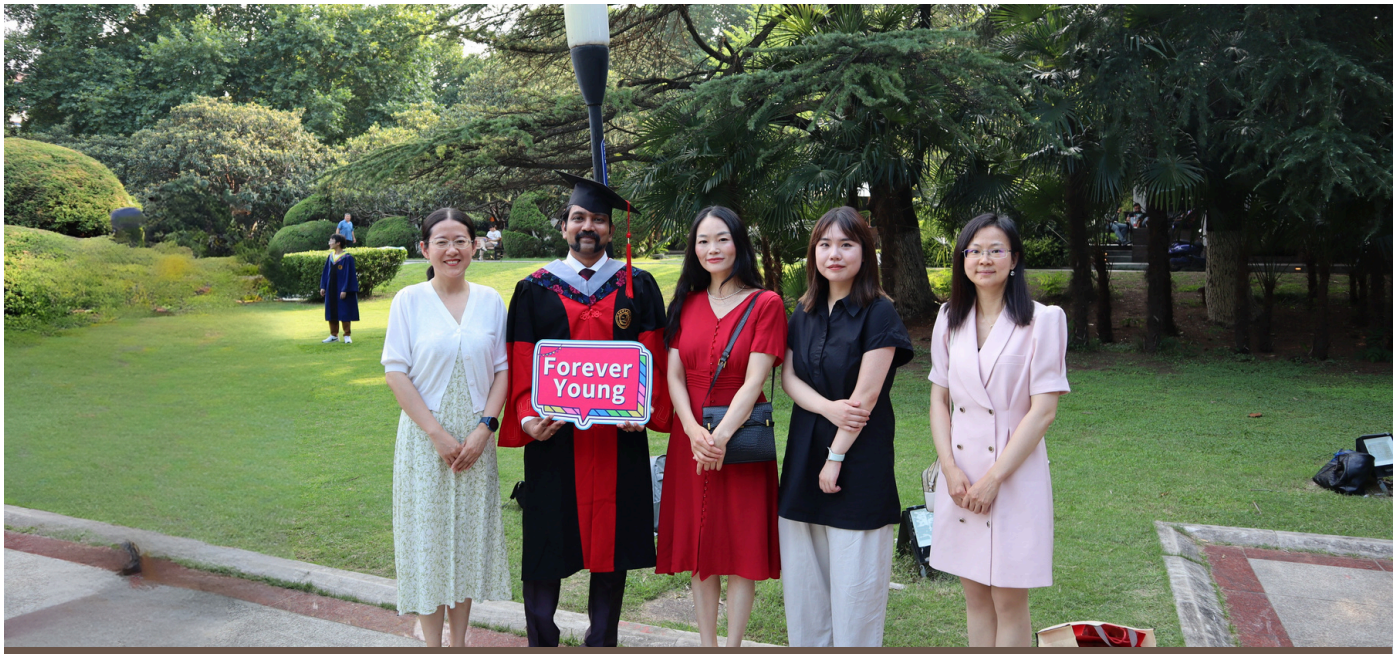
The recognition of my hard work and dedication has enabled me to maintain a steady pace of academic research, resulting in the publication of two books, journal papers, and articles during my PhD. The gratitude is due to the faculty and administrators of USTC’ s School of Humanities and Social Sciences and School of Public Affairs for their unwavering guidance. Ms. Zhang Chen merits commendation for her meticulous support in submitting the dissertation. At the same time, Mr. Jiang Rui, Mr. Yuan Zhenqing, and Mr. Yan Wu provided indispensable assistance during all phases of the Thesis viva process. My Chinese co-researcher at USTC’ s workstation also deserves recognition for their collaborative spirit.





My heartfelt thanks to Ms. Penny, my inaugural Chinese language mentor and counsellor. I express boundless gratitude for her moral and academic guidance. Prof. Song Xiaorong, my Panorama of China instructor, is thanked for her cultural insights and familial warmth during festival celebrations. My most profound appreciation goes to my spouse (married during my PhD) and daughter (who was born in Hefei) for their unwavering support during my PhD journey.

ALUMNI



GRADUATION





Thanks a ton to USTC teachers for providing me with many opportunities in both cultural and academic endeavors and acknowledging me with many prizes and awards. I love you USTC. Like every other USTCer says, USTC will remain in my heart forever!

SHARE YOUR STORY!

WHAT YOU CAN SHARE

including but not limited to

- CAREER & RESEARCH
- LIFE AFTER USTC
- ENTREPRENEURIAL VENTURES
- CROSS-CULTURAL EXPERIENCES
- MEMORABLE USTC MOMENTS

FORMATS

- ARTICLES OR ESSAYS
- PHOTO STORIES
- SHORT VIDEOS
- INTERVIEWS

SUBMIT NOW!

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