

# Chinese Language + Metaverse Summer Program

June 23rd, 2025 - July 18th, 2025



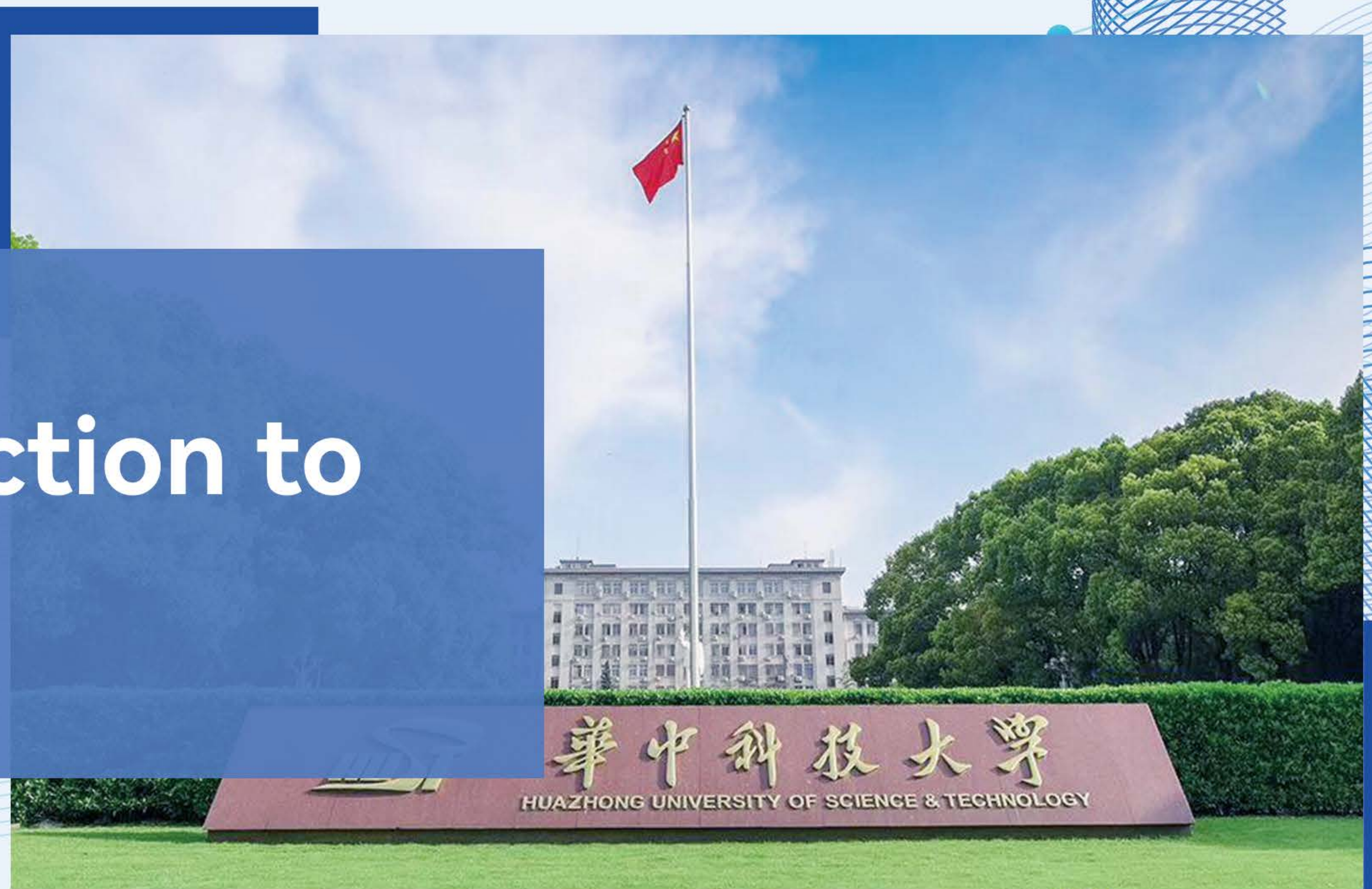
华中科技大学



HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

华中科技大学

# Introduction to HUST

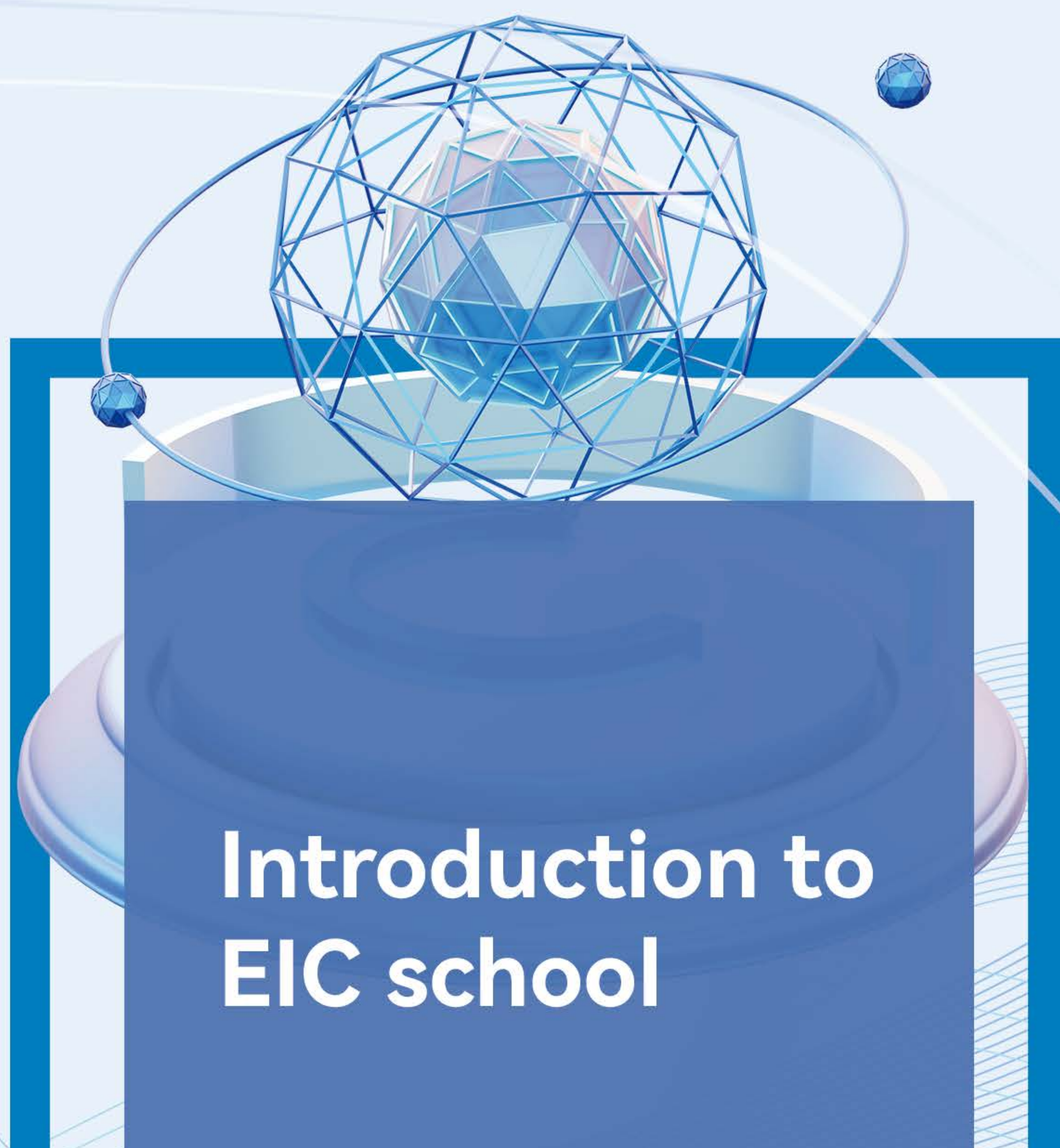


HUST is a comprehensive research university under the direct supervision of the Ministry of Education. It is a participant university of the former “985” Project in China, and also one of the first universities approved under the national “Double First-Class” Initiative, China’s “Excellence Initiative” for institutions of higher education, ranking among the top ten universities in China. According to the latest 2023 US NEWS and QS World University Rankings, HUST ranks 109th and 275th respectively in the world universities rankings; in the 2023 Academic Ranking of World Universities, HUST entered into top 100 in the world, ranking 91st.

HUST covers an area of over 460 hectares with green trees, favorable environment and beautiful scenery. It has been referred to the “University in the Forest” with a 72% greenery coverage. HUST boasts a full range of academic disciplines, and basically builds a comprehensive and research-oriented university discipline system. Since 1960s, HUST has cultivated more than 15,000 outstanding international talents from over 160 countries and regions in the world.



The school of Electronic Information and Communications (EIC) in Huazhong University of Science and Technology (HUST) was founded in 1960. It provides education programs on the disciplines of Information and Communication Engineering, and Electronic Science and Technology, and can confer Ph.D. and master degrees in communication and information systems, signal and information processing, circuits and systems, and electromagnetic field and microwave. It has multiple national and provincial research laboratories, and the National Electrical and Electronic Laboratory Teaching Demonstration Center. The electrical and electronic teaching team was awarded as one of the national outstanding teaching teams in China. In 2024, the School of EIC took the lead in establishing the HUST Research Center for Metaverse, focusing on research related to metaverse technologies and applications. It has established some joint laboratories with well-known domestic and international enterprises such as the TI laboratory and the Xilinx laboratory.



## Introduction to the summer program

The metaverse is an immersive cyberspace that integrates digital and physical worlds. It represents the future industry where artificial intelligence, blockchain, 5G, Internet of Things, virtual reality, and other next-generation information technologies are innovatively integrated and applied. It is an advanced form of integration between the digital economy and the physical economy, with vast space and enormous potential. Currently, the global metaverse industry is rapidly evolving, leading the next generation of internet development through the interaction between virtual and reality. It accelerates the upgrading of manufacturing industry towards high-end, intelligent, and greenization, supporting the construction of a modern industrial system.

This project aims to introduce the development of China's research and application in the metaverse field, providing opportunities for students from overseas to understand this area. By visiting electronic information, communication technology, and artificial intelligence-related research institutions and enterprises in the Wuhan area, students will have the opportunity to gain in-depth insights into China's innovation and development in these fields.

This project is targeted at students from overseas who have good English listening and speaking abilities, with priority given to those interested in information technology and China's development.



## Eligibility

- a) Applicants must be non-Chinese citizens with valid passports and are required to submit a passport photocopy.
- b) Age between 18-35 years old.
- c) Invitation letter and visa application procedures will be notified later.
- d) Currently registered as a full-time student in higher institutions/ college/university.

## Fees

- ① **Tuition fee:** 5000 CNY, including all the lectures and study materials
- ② **Accommodation fee:** 700 CNY/Month (4 weeks)
- ③ The living expenditure and round-trip ticket are not included.

## Contact

**Ms. YAN Wei (Vivian)**

E-mail: [vivianyan@hust.edu.cn](mailto:vivianyan@hust.edu.cn)

**Ms. CHENG Yunqing**

E-mail: [chengyq@hust.edu.cn](mailto:chengyq@hust.edu.cn)



# Class Schedule

Summer program: June 23rd - July 18th, 2025

## week 1

| Time      | Monday           | Tuesday   | Wednesday   | Thursday   | Friday  | Weekend<br>Saturday &<br>Sunday |
|-----------|------------------|---|---|--|---|---------------------------------|
| Morning   | Opening Ceremony | Overview of the Metaverse                                 | Integration of Virtual and Reality                            | Visual Perception and Reconstruction   | Chinese Culture Tour at Wuhan City Planning Exhibition Hall & Hubei Provincial Museum | Free time                       |
| Afternoon | Campus Tour      | Chinese Culture Lecture: Introduction on Jing Chu Culture | Chinese Culture Lecture: The Beauty of Jinchu Culture and Art | Lab Practice/Field Trip: School of EIC and National Experimental Teaching Demonstration Centre for Electricity and Electronics |   |                                 |

## week 2

| Time      | Monday  | Tuesday   | Wednesday                                  | Thursday  | Friday                                | Weekend<br>Saturday &<br>Sunday |
|-----------|---|---|--|---|---------------------------------------|---------------------------------|
| Morning   | Large-scale 3D scene reconstruction based on neural radiance fields | Intelligent Vehicle Networking                                | Focal Stacking Images Fusion               | Digital China                                   | Chinese Culture Tour to Yangtze River | Free time                       |
| Afternoon | Chinese Culture Lecture: Jinchu Culture of Food and Tourism         | Chinese Culture Lecture: Jingchu Historical Heros and Stories | Lab Practice/Field Trip: HIKVISION Company | Lab Practice/Field Trip: Huawei Company (Wuhan) |                                       |                                 |

## week 3

| Time      | Monday  | Tuesday   | Wednesday   | Thursday   | Friday                                     | Weekend Saturday & Sunday |
|-----------|---|---|---|--|--|---------------------------|
| Morning   | Anti-counterfeit Detection  | Green Communications  | Event Knowledge. Graph: Construction, Induction and Application | Multimedia Networks and Transmission                                   | Field Trip: Institute of New Energy, Wuhan | Free time                 |
| Afternoon | Chinese Culture Lecture: Jinchu Culture of Graphic Knowledge of Wuhan | Chinese Culture Lecture: Jingchu Culture of Chinese Characters, and Calligraphy | Lab Practice/ Field Trip: FiberHome                             | Lab Practice/ Field Trip: National Research Center of Digital Learning |  |                           |

## week 4

| Time      | Monday  | Tuesday  | Wednesday  | Thursday                           | Friday             | Weekend Saturday & Sunday       |
|-----------|---|--|--|------------------------------------|--------------------|---------------------------------|
| Morning   | Digital Education                                   | Smart City Security  | E-commerce                                       | Preparation for Final Presentation | Final Presentation | Free time/ Departure from Wuhan |
| Afternoon | Chinese Culture Lecture: Jingchu Handcrafts Culture | Chinese Culture Lecture: Jinchu Culture the Moniority Customs and Folklore | Lab Practice/ Field Trip: Dongfeng Motor Company | Preparation for Final Presentation | Closing Ceremony   |                                 |



- Contain multiple PHBs, indicated by specific DSCP
- Provide lower loss rate than best-effort service (i.e. service measured by drops)
  - In the case of congestion, AF packets have less chance to be dropped than best-effort ones
- AF PHB doesn't change the order in which packets are served
  - Together with lower priority of dropping, this makes TCP work well
- Packet dropping is normally implemented by Random Early Detection with In and Out (RED)

## Faculty



**Caiming Qiu**

Professor

As an IEEE Fellow, Prof. Qiu, has nearly 20 years of teaching and research in academia, industry and startup with diverse research experience in wireless communications and networks, wireless (and remote) sensing, big data analytics, and smart grid systems.

Prof. Caiming Qiu received the Ph.D. degree in electrical engineering from New York University. He served at Bell Laboratories from 1997 to 2000. He was Founder-CEO and President of Wiscom Technologies, Inc.

He joined Tennessee Technological University (TTU) in 2003. In 2008, he was tenured and promoted to full professor at TTU. From 2015 he was chair professor and director of the Research Center for Big Data Engineering and Applications School of Electrical and Information Shanghai Jiao Tong University, Shanghai, China.

Since 2019, he has joined Huazhong University of Science and Technology as the dean of School of Electronic Information and Communications and a full professor.

He has published three academic monographs, establishing the theoretical framework for the application of random big data theory in engineering fields such as smart grids and wireless communication. He has published over 150 SCI journal papers and over 200 conference papers in the fields of wireless communication, signal processing, and smart grids. He won ICC Best Paper Award in 2011, one of the IEEE Communications Society's two flagship conferences. And he was elevated to IEEE Fellow, effective 1 January 2015, with the following citation: for contributions to ultra-wideband wireless communications.







## Xiaohu Ge

Professor

Prof. Xiaohu Ge received his Ph.D. degree in Communication and Information Engineering from the Huazhong University of Science and Technology (HUST), China, in 2003. Since 2005, he has been with the School of Electronic Information and Communications (EIC) of HUST where he is now a full professor and the Director of China International Joint Research Center of Green Communications and Networking. Prior to that, he worked as a researcher at Ajou University, South Korea, and at the Politecnico Di Torino, Italy, from 2004 to 2005. He was also an adjunct professor with the University of Technology Sydney (UTS), Australia.

He is an IET Fellow and the Country Representative of China at International Federation for Information Processing (IFIP). He has undertaken over 20 national-level and international research projects, and published over 200 academic papers with over 9300 Google Scholar citations. He is also in the editorial boards of more than 10 top international journals.

His research interests include information thermodynamic communications and green communications and networking.



## Haifan Yin

Professor

Dr. Haifan Yin received his Ph.D. degree from Telecom ParisTech (also known as Ecole Nationale Supérieure des Telecommunications, or ENST), France, in Dec. 2015, under the supervision of Prof. David Gesbert.

He received his B.S. and M.S. degrees from Huazhong University of Science and Technology in 2009 and 2012 respectively. From 2016 to 2017, he has been a DSP engineer in Sequans Communications - an IoT chipmaker based in Paris, France. From 2017 to 2019, he has been a senior research engineer in Shanghai Huawei Technologies Co., Ltd., where he made substantial contributions to physical layer research and 5G standards. Since May 2019, he has joined the School of Electronic Information and Communications at Huazhong University of Science and Technology as a full professor. He is a holder of more than 25 patents. One of his technical papers reaches over 1000 citations. His current research interests include 5G and 6G networks, signal processing, machine learning, and massive MIMO systems. He was the National Champion of 2021 High Potential Innovation Prize Awarded by the Chinese Academy of Engineering, a Winner of 2020 Academic Advances of HUST, and a recipient of the 2015 Chinese Government Award for Outstanding Self-financed Students Abroad.





**You Yang**

Professor



You Yang received the Ph.D. degree in computer science from the Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China, in 2009. Since 2013, he has been with the School of Electronic Information and Communications, Huazhong University of Science and Technology, Wuhan, China, and Division of Intelligent Media and Fiber Communications, Wuhan National Laboratory of Optoelectronics, Wuhan, where he is currently a Full Professor and Vice Dean. Before that, he was a Post-Doctoral Fellow with the Automation Department, Tsinghua University, from 2009 to 2011, and a Chief Scientist with Sumavision Research, from 2011 to 2013. He has authored or co-authored over 120 peer-reviewed articles and authorized 41 domestic and U.S. patents. His research interest includes computational imaging, 3D visual communications and its applications, including multiview imaging systems, 3D/VR/AR content processing and visual communications, human-machine interaction techniques, and interactive visual applications.

Dr. Yang is a Fellow of the Institute of Engineering and Technology of United Kingdom. He has been the receiver of Technical Invention Award of Ministry of Education, China in 2012, Highly Commended Award of E&T Innovation Award of Outstanding Innovation in Communication and IT, United Kingdom in 2020, Technical Invention Awards of China Society of Image and Graphics in 2021, Science and Technology Progress of Ministry of Education, China in 2022, IET Impact in Society Awards and IET International Awards, United Kingdom, Science and Technology Progress of Yunnan Province in 2023. He has been the Chief Scientist of Decision Advisory Team in China Society of Science and Technology since 2023, Vice President of Wuhan Medical Imaging Society since 2023, General Secretary of Technical Committee of Image and Video Communication in CSIG since 2020, Committee/TPC Member or the Session Chair of over 30 international conferences, including ICME, ICASSP, VCIP, ICIMCS, MMM, and others, and a Reviewer of 45 prestigious international journals from IEEE, ACM, OSA, and other associations. He was invited to be the Panel Member of IET Innovation Award, since 2021. He has been an Associate Editor of OSA Continuum since 2023, Journal of Electronic Imaging since 2021, IEEE Access since 2018, IET Image Processing since 2018, and PLoS One between 2015 and 2022.





**Kun Liang**  
Professor



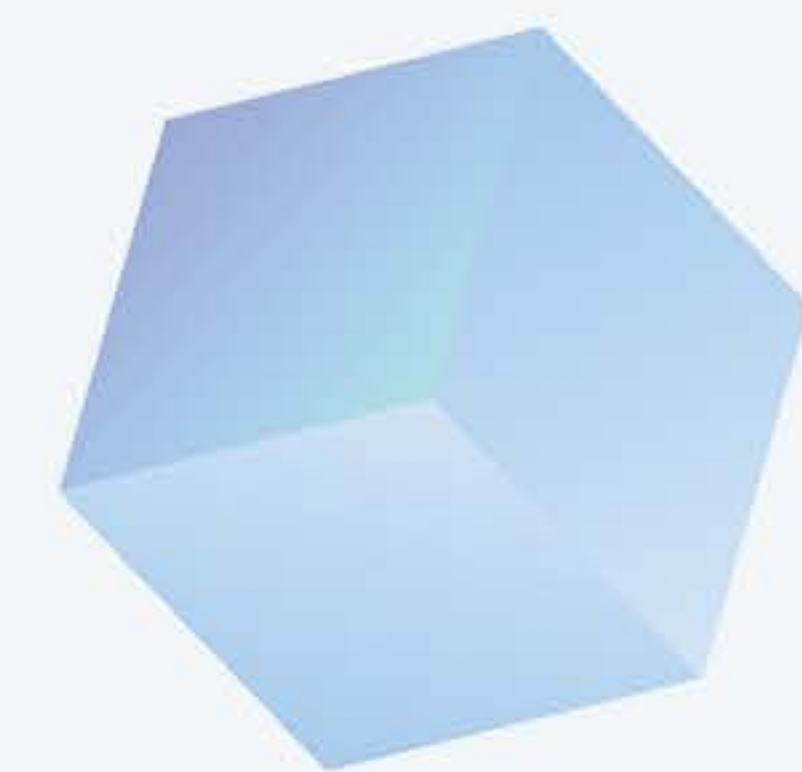
Dr. Kun Liang obtained his B.E. and PhD degree from the Department of Electronics and Information Engineering of Huazhong University of Science and Technology (HUST) Wuhan, China in 2002 and 2008, respectively.

He is now working as a professor in the School of Electronic Information and Communications, HUST. From 2014 to 2015, he was a visiting scholar in the Department of Physics and Astronomy, LaserLaB, VU University Amsterdam. Then, he went as a senior visiting scholar to visit at VU University Amsterdam in 2016, and European Space Agency (ESA)/German Aerospace Center (DLR) in 2019. His research interests are now within the field of optoelectronic intelligent perception and signal processing technology, including scattering spectral characteristics, LiDAR systems, laser echo signal processing, infrared imaging and systems, target detection and recognition, multimodal information fusion and image processing, etc.

Dr. Liang was the Chinese project leader of joint research projects between China and the Netherlands (Title of joint research project: Rayleigh Brillouin light scattering in the Earth atmosphere). Dr. Liang has over 80 technical publications, including 16 patents, and over 50 research articles in international conferences and journals, such as Opto-Electronic Advances, Optics Letters, Optics Express, and etc.



**Xingang Wang**  
Professor



Xingang Wang is a professor at the School of Electronics Information and Communications at Huazhong University of Science and Technology (HUST). He obtained his B.S. degree in Communication and Information Systems and his Ph.D. in Computer Vision from HUST. From May 2010 to July 2011, he was a visiting scholar at the Department of Computer and Information Science at Temple University, Philadelphia, PA. From February 2013 to September 2013, he was a visiting graduate researcher at the University of California, Los Angeles (UCLA).

His research interests encompass computer vision and machine learning, with a particular focus on object recognition. He has published over 60 academic papers in esteemed journals and conferences, including IEEE TPAMI, IJCV, CVPR, ICCV, NeurIPS, among others, and has been cited more than 26,000 times on Google Scholar.

He has been awarded the Hubei Youth May 4th Medal, the CSIG Young Scientist Award, the Wu Wenjun Artificial Intelligence Outstanding Youth Award, the CVMJ 2021 Best Paper Award, and the Hubei Province Natural Science Second Prize, among others. Furthermore, he has guided students to win the gold medal in the National "Internet +" Competition in 2022 and the first prize in the National Challenge Cup in 2023.



**Yong Xiao**

Professor

Yong Xiao received his B.S. degree in electrical engineering from China University of Geosciences, Wuhan, China in 2002, M.Sc. degree in telecommunication from Hong Kong University of Science and Technology in 2006, and his Ph. D degree in electrical and electronic engineering from Nanyang Technological University, Singapore in 2012.

He is now a professor in the School of Electronic Information and Communications at the Huazhong University of Science and Technology (HUST), Wuhan, China. He is the associate group leader of the network intelligence group of IMT-2030 (6G promoting group). Before he joins HUST, he was a research assistant professor in the Department of Electrical and Computer Engineering at the University of Arizona where he was also the center manager of the Broadband Wireless Access and Applications Center (BWAC), an NSF Industry/University Cooperative Research Center (I/UCRC) led by the University of Arizona.

His research interests include machine learning, game theory, distributed optimization, and their applications in semantic communications, semantic-aware networking, cloud/fog/mobile edge computing, green communication systems, and Internet-of-Things (IoT).



**Bang Wang**

Professor

Dr. Bang Wang obtained his B.E. and M.S. from the Department of Electronics and Information Engineering of Huazhong University of Science and Technology (HUST) Wuhan, China in 1996 and 2000, respectively, and his PhD degree in Electrical and Computer Engineering (ECE) Department of National University of Singapore (NUS) Singapore in 2004.

He is now working as a professor in the School of Electronic, Information and Communications, HUST. His research interests are now within the field of wireless networks, localization techniques, recommendation algorithms, computational communications, and knowledge graphs.

Dr. Wang has over 100 technical publications, including 7 patents, 2 books, 7 book chapters and over 110 research articles in international conferences and journals, such as ACM Computing Surveys, IEEE Wireless Communications, IEEE Trans. on Antennas and Propagation, IEEE Trans. on Computers, IEEE Trans. on Industrial Electronics, IEEE Trans. on Industrial Informatics, IEEE Trans. on Mobile Computing, IEEE Trans. on Parallel and Distributed Systems, IEEE Trans. on Vehicular Technology, IEEE Trans. on Wireless Communications, and etc.



**Kai Wan**  
Professor

Kai Wan is currently a full professor in the School of Electronic Information and Communications, Huazhong University of Science & Technology, with which he received the Hundred-Talent Program of Hubei, and the East Lake Youth Talent Program Fellowship.

He was a post-doctoral researcher with the Communications and Information Theory Chair (CommIT) at Technische Universität Berlin with Prof. Giuseppe Caire, from Sep. 2018 to Aug. 2022. He received the Ph.D. degrees in Communications from Université Paris-Saclay with Prof. Daniela Tuninetti, in 2018, the M.Sc. degree in Communications from Université Paris-Saclay in 2014, and the B.E. degree in Optoelectronics from Huazhong University of Science and Technology, China, in 2012. His research interests include information theory, coding techniques, and their applications on wireless communications, distributed storage and computing, privacy and security, machine learning. He is now serving as an Associate Editor of IEEE Transactions on Communications from Mar. 2024 and an Associate Editor of IEEE Communications Letters from Aug. 2021.



**Qiang Li**  
Professor

Qiang Li received the B.Eng. degree in communication engineering from the University of Electronic Science and Technology of China (UESTC), Chengdu, China, in 2007 and the Ph.D. degree in electrical and electronic engineering from Nanyang Technological University (NTU), Singapore, in 2011. From 2011 to 2013, he was a Research Fellow with NTU. From March 2015 to June 2015, he was a visiting scholar with the University of Sheffield, Sheffield, UK. Since 2013, he has been an Associate Professor with Huazhong University of Science and Technology (HUST), Wuhan, China. Since 2020, he has been a full Professor with HUST.

His research interests include next-generation mobile communications, cognitive radios/spectrum sharing, wireless cooperative communications, full-duplex techniques, simultaneous wireless information and power transfer, mobile edge computing/fog computing, edge caching, deep learning, federated learning. He was a co-recipient of the Best Paper Award of IEEE/CIC ICC 2017, and served as the symposium co-chair of IEEE GLOBECOM 2019 and WCSP 2020.



**Xin Yang**  
Professor

Dr. Xin Yang is a Professor at the Department of Electronic Information and Communications at Huazhong University of Science and Technology. She received her Ph.D. degree in the Department of Electrical Computer Engineering at the University of California, Santa Barbara (UCSB). Prof. Yang is a recipient of the National Science Fund for Distinguished Young Scholars of China.

Her primary research interests lie in the fields of 3D vision and medical image analysis. Professor Yang has published over 90 academic papers in prestigious international journals and conferences. She holds more than 20 US and Chinese invention patents and has contributed chapters to two English-language books. Professor Yang has received the First Prize in Technological Invention from Hubei Province (as the first author), the Shiqingyun Female Scientist Award from the Chinese Society of Image and Graphics, and a Best Paper Nomination at the CCF B-Level Conference ISMAR (as the first author). She is also listed among the top 2% of scientists worldwide.

Under her guidance, her students have won over ten awards in significant national and international competitions, including gold and silver medals in the China "Internet+" Innovation and Entrepreneurship Competition. Professor Yang serves on the editorial boards of several prestigious journals, including IEEE Transactions on Medical Imaging, IEEE Transactions on Visualization and Computer Graphics, and Multimedia Systems. She is also the area chair for CVPR, ACM Multimedia, and MICCAI, a member of the IEEE BISP Technical Committee, Deputy Secretary-General of the CSIG Youth Working Committee, and Deputy Secretary-General of the CCF Multimedia Technical Committee.





**Ming Zhu**  
Professor



Ming Zhu received his B.S., M.S., and Ph.D. degrees from Huazhong University of Science and Technology in 2001, 2004, and 2008 respectively. In 2011, he became an associate professor in the School of Electronic Information and Communications. From 2014 to 2015, he participated in the research at Northwestern University in the United States as a visiting scholar, under the supervision of a Member of the National Academy of Sciences (NAS), Prof. J.M. Ottino, and Senior Vice Dean of the School of Engineering and Applied Sciences at Northwestern University, Prof. R.M. Lueptow. He participated in the Acoustic Spectroscopy for Smart Gas Composition Sensing project funded by NASA, during which he introduced artificial intelligence into relaxation acoustic gas sensing methods. Since Nov. 2017, he has been a full professor in the School of Electronic Information and Communications.

He has been the Vice Director of the National Engineering Laboratory of Fire and Emergency Rescue (Huazhong University of Science and Technology), the Vice Director of the Hubei Province Internet Technology and Engineering R&D Center, the Director of the joint Artificial Intelligence Innovation Institute of Huazhong University of Science and Technology-Shannon AI (Wuhan). He has also been a committee member of the Fire Detection and Alarm Branch of National Fire Standardization Technical Committee, a member of Standing Committee of Fire Protection Branch of Public Safety Science and Technology, and an evaluation expert of the National Natural Science and Foundation Committee and China Postdoctoral Science Foundation Committee.

He has published over 60 high-level papers, and authorized more than 10 invention patents. His current research interests include signal processing, artificial intelligence, sensing technology, fire detection and big data, and chip technology. He has led 4 projects funded by the National Natural Science Foundation of China, 1 National Key R&D Program projects and 3 sub-projects, and multiple horizontal projects funded by enterprises including the State Grid Corporation of China and the National Petroleum and Natural Gas Pipeline Network Group Co., Ltd.



**Li Yu**

Professor

Dr. Yu received her B.Sc., M.Sc. and Ph.D. degrees in communication and information system from HUST in 1992, 1996 and 1999, respectively. Since 1999 she has been with the School of EIC, HUST, where she is now a full professor and the director of Multimedia and Communication Network Center. From Dec. 2013 to June 2014, she was a visiting professor in the Department of Electrical and Computer Engineering at University of Waterloo, hosted by Prof. Sherman Shen. Her research focuses on image processing, video coding/decoding, wireless networking, etc. Dr. Yu is an IEEE member and served as the secretary of IEEE Wuhan Section from 2007 and was elected as the award chair in 2013. She also worked as the co-chair of Audio Video coding Standard workgroup of China. She has published more than 100 papers in prestigious international journals and conference proceedings.

The first area of her reasearch is multimedia information processing, focusing on image sampling, image/video coding and 3-D image/video re-construction. The objective is to develop efficient image/video codec that is of high quality and low bitrate, friendly for video streaming across the wireless networks. Her second main research area is wireless networking focusing on 5G cellular systems, with special interests in mobile edge architecture design and analysis, software defined networking. The objective is to design advanced cellular system architectures and efficient resource allocation algorithms that meet the user requirement in the coming 5G era. She also works on transport layer protocols, especially congestion control and queue management algorithms for multimedia streaming.



**Wei Liu**

Professor

Dr Wei Liu is a Professor at the School of Electronic Information and Communications at Huazhong University of Science and Technology (HUST). He received the Ph.D. degree in electronics and information engineering from HUST in 2004. He is the vice director of Hubei Key Laboratory of Smart Internet Technology, the director of the Engineering Disciplines Teaching Base for International Student in HUST, the director of Smart Classroom Joint Laboratory supported by iFLYTEK. He was invited to serve in the expert group for New Education Infrastructure Plan, of Ministry of Education, China. He won twice the first prize for teaching achievements in higher education institutions in Hubei Province. One of his course was awarded as the Brand English-taught course by the Ministry of Education. His primary research interests lie in several areas, including smart education, smart networking and Internet of things. He has published over a hundred papers, authorized 12 national invention patents.





**Qiong Liu**

Professor

Qiong Liu received her Ph.D. degree from Wuhan University, China, in Dec. 2008, under the supervision of Prof. Ruimin Hu. She received her B.S. degrees from Central China Normal University in 2003. From 2010 to 2012, she has been a postdoc in Tsinghua University, where She made substantial contributions to 3D video processing.

Since August 2009, she has joined the School of Electronic Information and Communications at Huazhong University of Science and Technology. She is a holder of more than 40 patents and 60 papers.

Her current research interests include 3D video coding and processing, 3D computer vision. She was a Winner of 2022 First Prize of Hubei Province Technology Invention, and the silver winner of the International Award at the 2023 IET Excellence and Innovation Awards.



**Wei Wang**

Professor

Wei Wang is a professor at School of Electronic Information and Communications, Huazhong University of Science and Technology. During Jun. 2019 to Aug. 2019, he was a Visiting Scholar in Department of Electrical and Computer Engineering University of California San Diego. He received his Ph.D. degree in Department of Computer Science and Engineering from Hong Kong University of Science and Technology (HKUST), where his Ph.D. advisor is Prof. Qian Zhang.

Before he joined HKUST, he received his bachelor degree in Electronics and Information Engineering from Huazhong University of Science & Technology in June 2010. His research interests mainly focuses on wireless SLAM, mmWave 3D perception, backscatter communication/sensing, video compression/transmission for edge computing, and video super-resolution.



## Tianping Deng

Professor

Tianping Deng received his Ph.D. degree from Huazhong University of Science and Technology, China, in July 2007. and received his B.S. degrees from Nanjing University of Science and Technology in 1998 and and M.S. degrees from Huazhong University of Science and Technology in 2003 respectively.

In the spring of 2020, he was responsible for launching the "Analog Electronics Technology" all English MOOC course on the iCourse international platform, promoting Chinese MOOC to the world, and contributing Chinese strength to global universities in fighting the epidemic. This course has been approved as a provincial-level first-class online course for 2021. He is also the second person in charge of the national first-class online courses "Fundamentals of Analog Electronic Technology", "Electronic Circuit Design, Testing and Experiment", and "Communication Electronic Circuits".

In October 2020, won the first prize of the Excellent Teaching Quality Award at Huazhong University of Science and Technology; In March 2021, appointed as the head of a provincial-level excellent grassroots teaching organization.



## Zhenyu Liao

Associate Professor

Dr. Zhenyu Liao is now a research associated professor at Huazhong University of Science & Technology, School of Electronic Information and Communications, where he is awarded the East Lake Youth Talent Program Fellowship. Before that, he was a Postdoctoral Researcher at the University of California, Berkeley, Department of Statistics, in 2020, hosted by Prof. Michael Mahoney. He received his Ph.D. from CentraleSupélec, University Paris-Saclay, in 2019, where he worked under the supervision of Prof. Romain Couillet and Prof. Yacine Chitour.

He received his B.Sc degree in Optical & Electronic Information from Huazhong University of Science & Technology, China, in 2014, and his M.Sc. degree in Signal & Image Processing from University Paris-Saclay, France, in 2016. His research interests are broadly in (statistical) machine learning, signal processing, random matrix theory, and high-dimensional statistics.



**Peng Yang**  
Associate Professor



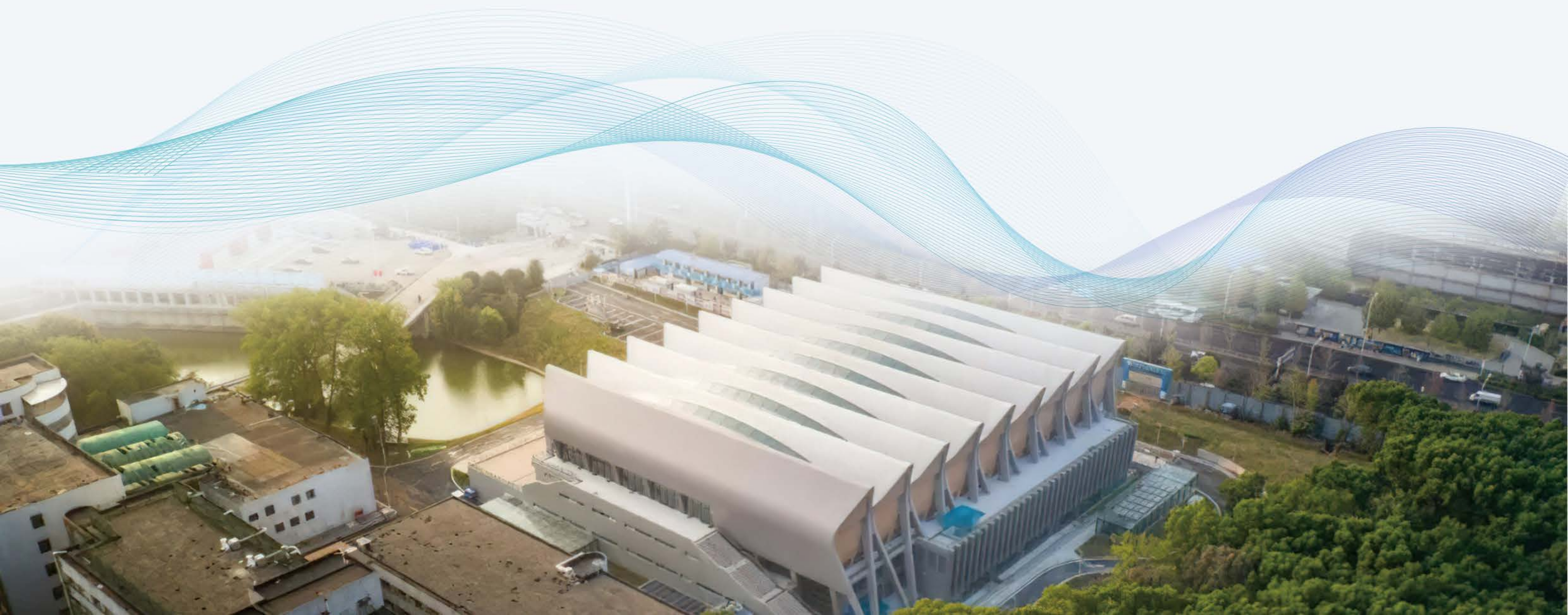
Dr. Peng Yang received his Ph.D. degree and B.E. degree from the School of Electronic Information and Communications (EIC) at Huazhong University of Science and Technology (HUST) in 2018 and 2013, respectively. He joined the School of EIC at HUST as an Associate Professor in Jan. 2020. Before that, he was with the Department of Electrical and Computer Engineering at the University of Waterloo, as a Postdoctoral Fellow from Sept. 2018 to Dec. 2019, and a Visiting Ph.D. Student from Sept. 2015 to Sept. 2017. His current research focuses on artificial intelligence and its application in next-generation networking, mobile edge computing, video streaming and analytics.



**Qinmu Peng**  
Associate Professor

Qinmu Peng is currently an Assistant Professor with the School of Electronic Information and Communications, Huazhong University of Science and Technology, Wuhan, Hubei, China. Dr. Peng received his PhD degree in Computer Science from Hong Kong Baptist University in 2015 and was a postdoctoral researcher at University of Pennsylvania from 2015 to 2018.

His research interests include visual computing, machine learning and medical image analysis. He has published more than 40 research articles and obtained 20 Chinese patents and one US patent.





**Tian Deng**  
Associate Professor

Dr. Tian Deng is an Associate Professor at the School of Electronic Information and Communications (EIC) at Huazhong University of Science and Technology (HUST). He received his Ph.D. degree in EIC at HUST. Prof. Deng is currently the Deputy Director of Technology Research and Development of the National Engineering Research Center of Fire and Emergency Rescue (Huazhong University of Science and Technology).

His primary research interests lie in the fields of Fire monitoring & early warning and aerosol sensing technologies. He has developed a variety of smoke detectors with high specific characterization capabilities and miniaturized aerosol particle spectrum in-situ analysis technologies. Prof. Deng has published over 20 academic papers in prestigious international journals and conferences, and holds 8 International PCT (Patent Cooperation Treaty) and Chinese invention patents.

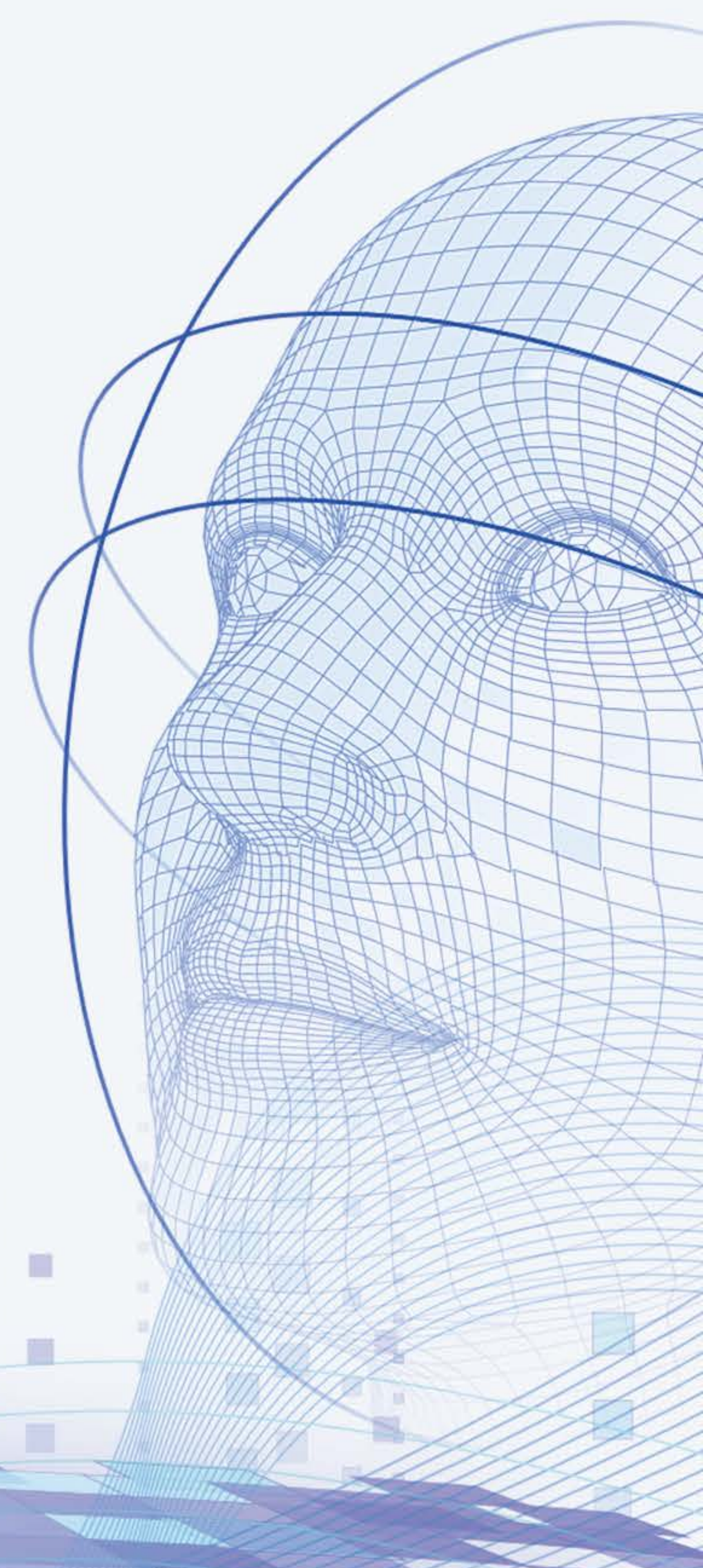
He is Invited as a reviewer for international authoritative journals such as ACS Sensors, Sensors and Actuators B, Fuel, Journal of Aerosol science, and etc.



**Wei Xu**  
Associate Professor

Xu Wei, PhD, Associate Professor, School of Electronic Information and Communication, Huazhong University of Science and Technology. He has undertaken 2 general projects of the National Natural Science Foundation of China, as well as 12 national 863 Program, Science and Technology Support Program, and Key R&D Project projects.

He has won the first prize of the Hubei Provincial Science and Technology Progress Award (ranked third) and has published more than 30 papers in journals such as IEEE Transactions on Multimedia, IEEE Transactions on Audio, Speech and Language Processing, and related conferences.





**Menglan Hu**  
Associate Professor

Dr. Menglan Hu received his BE degree from Huazhong University of Science and Technology in 2007. He obtained his PHD degree from National University of Singapore (NUS) in 2012 (supervised by Prof. Bharadwaj Veeravalli). He later worked as a post-doctoral research fellow in Nanyang Technological University (NTU) for two years, under the supervision of Prof. Jun Luo. He is currently an associate professor in the School of Electronic Information and Communications at Huazhong University of Science and Technology.

His research interests are in the areas of distributed computing, mobile computing, cloud/edge computing, Internet of Things, scheduling and resource management, and wireless networks.



**Wenbo XU**  
Post-doc

Dr. Wenbo XU is currently serving as the post-doc research fellow at the School of Electronic Information and Communications (EIC), Huazhong University of Science and Technology (HUST). Before that, he received his Ph.D. and B.Sc degree from EIC at HUST in 2020 and 2012, respectively. In 2014, he was a visiting scholar at the Sydney University of Science and Technology, and University of Wollongong.

His main research focuses on High-dimensional data and signal processing with low-dimensional model, optical perspective, wideband spectrum intelligent sensing and information processing, public security and emergency rescue. In addition, he also serves as the executive secretary of the International Education Base of Engineering at HUST, with rich experience in international joint program and international education. Now as the core manager, he is dedicated to expanding cooperation between the university and internationally renowned universities, research institutions, and governments sectors.

# Campus View and Facilities





# Highlights of Previous Programs



