西安交通大學
XI'AN JIAOTONG UNIVERSITY

2025 XJTU Industry-Education Integrated Summer Camp

Xi'an Jiaotong University

Address: Xianning West Road 28#, Xi'an, Shaanxi Province, 710049, China

Website: http://xjtu.edu.cn/

catalogue

XJTU Introduction

Xi'an Jiaotong University(XJTU) is one of China's most prestigious and internationally renowned higher education institutions. It is a key university directly under the Ministry of Education. According to data released by ESI (Essential Science Indicators) in January 2024, 19 disciplines of XJTU ranked in the top 1 percent globally among academic institutions, with 6 disciplines ranking in the top one-thousandth. Among them, engineering ranked 9th globally.

XJTU is currently a comprehensive research university with 11 major disciplines: science, engineering, medicine, economics, management, humanities, law, philosophy, art, education and inter-disciplines. The university has 34 schools, departments and centers, 9 colleges for undergraduates, and 3 affiliated hospitals.

We are top-ranked in terms of the number of national science and technology awards received.

Programme Introduction

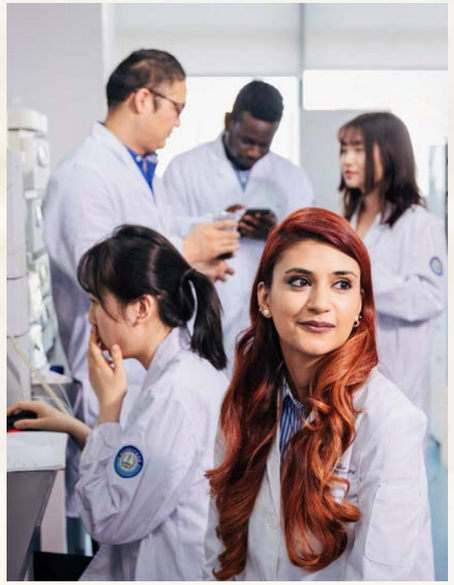
Xi'an Jiaotong University Industry-Education Integrated Summer Camp is a 2-week programme which combines courses and lectures in 6 engineering disciplines, rich cultural experience, and practical activities in industry. During the programme you will explore the city of Xi'an, visit historical sites such as Terra-Cotta Warriors, and practice in XJTU top-tier laboratories and leading companies. Thanks to great experts in their fields, the Summer Camp manages to offer a combination of a professional scientific approach and a relaxed atmosphere.

Why XJTU Summer Camp

- Over **120** years of tradition
- No.**1** in north-west China
- **8** disciplines recognized as national Double First-Class disciplines
- Learn some basic Chinese with your **Chinese buddy**
- Taste rich **Chinese culture**

Disciplines

- Electrical Engineering
- Mechanical Engineering
- Materials Science and Engineering
- Electronic and Information Engineering
- Aerospace Engineering
- Chemical Engineering and Technology

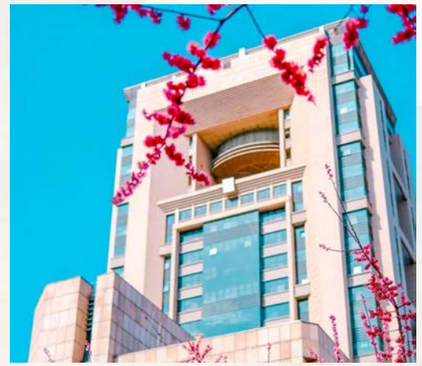


Cost of the Programme

The program fee is waived for students from partner institutions. Our university covers all academic courses, field visits, accommodation, meals (university canteens and arranged restaurants during field visits), airport transfers, and local transportation during the program. Students are responsible for their round-trip airfare and insurance.

Accommodation

To ensure student safety, accommodation will be provided at a hotel near XJTU campus with shared twin rooms (2 students per room). The hotel offers comprehensive facilities including laundry services, a fitness center, restaurants, free Wi-Fi, a business/printing room, and other shared amenities.



Dining & Convenience

On campus, students can enjoy diverse dining options at campus cafeterias and Western-style restaurants. The city center is easily accessible within 10 minutes by bus/subway. Additionally, there are numerous local restaurants and large supermarkets in the vicinity of the university.

Time

S1: July 6 - July 19 2 weeks

S2: July 20 - August 2 2 weeks

S3: August 24 - September 6 2 weeks

Eligibility

European Nationality students holding valid passports

Application documents

Documents:

1.Scanned copy of passport

2. profile picture

3. Personal Statement (250 words)

Deadline: application closes 3 weeks before each session

Contact: studyabroad@xjtu.edu.cn

Electrical Engineering

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2-6	Morning	Academic Lecture
	Noon	Introduction to basic Chinese
	Afternoon	Academic Lecture
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting
Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company Tour
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure

Invited Speakers for Academic Lectures

Prof. CHEN Chen

Prof. CHEN Chen is a Professor in the school Electrical Engineering at Xi'an Jiaotong University (XJTU), specializes in power system resilience, active distribution systems, microgrids, demand-side resource management, and smart grid signal processing. He received his Ph.D. in Electrical Engineering from Lehigh University (USA) in 2013, after obtaining his M.Eng. (2009) and B.Eng. (2006) degrees from XJTU. Between 2013 and 2019, he conducted postdoctoral research and later served as an Energy Systems Scientist at Argonne National Laboratory (USA), advancing innovations in grid modernization and energy optimization. Since returning to XJTU as a full professor in 2019, his interdisciplinary work integrating power engineering with communications has positioned him as a leading contributor to next-generation smart grid technologies.

Prof. LI Junhao

Prof. LI Junhao is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), specializes in high-voltage equipment testing, condition monitoring, and fault diagnosis, with a focus on Gas Insulated Switchgear (GIS) and power transformers. His groundbreaking work on partial discharge mechanisms under complex stresses (e.g., transient overvoltages, multi-physical field coupling) has advanced GIS reliability assessment. He pioneered experimental platforms to dissect interactions between power frequency and impulse voltages, uncovering discharge dynamics of metal particles and surface defects. An IEEE Senior Member, IET Fellow, and CIGRE committee member, he has authored 100+ publications and led award-winning research in collaboration with power grid industries.

Prof. WANG Zhaoyang

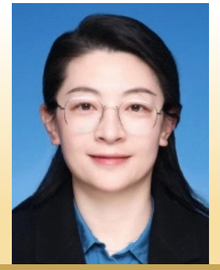
Prof. WANG Zhaoyang is a professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), specializes in electromagnetic transients, power system fault location and protection, fault analysis, and electromagnetic transient disturbances localization. With a strong international academic background, Prof. Wang earned his Ph.D. from École Polytechnique Fédérale de Lausanne (EPFL) and further honed his expertise as a Postdoctoral Research Fellow at Imperial College London (ICL) and EPFL. His research bridges theoretical advancements and practical applications, addressing critical challenges in power system reliability and electromagnetic compatibility.

Prof. SHI Le

Prof. SHI Le is a Professor and Vice Dean in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), specializing in hydrogen fuel cell technology and the development of advanced materials for sustainable energy systems. She earned her B.S. from Peking University in 2013 and a Ph.D. from the Hong Kong University of Science and Technology in 2017, joining XJTU as an Associate Professor in 2018 before her promotion to full Professor in 2020. Her research focuses on designing innovative materials to enhance fuel cell efficiency and durability, addressing challenges such as cost reduction and infrastructure scalability

Prof. MENG Guodong

Prof. MENG Guodong is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), renowned for his interdisciplinary research in micro-nano scale insulation, discharge plasma dynamics, and smart sensing technologies for power equipment condition monitoring. With a robust international academic background, including postdoctoral research at MIT's Department of Nuclear Science and Engineering and a visiting scholar tenure at Oxford University's Department of Materials Science, he has pioneered innovative approaches in energy conversion and sustainable technologies. His research portfolio includes over 70 publications, 30+ SCI papers as lead/corresponding author, and leadership in 20+ national and provincial projects.



Dr. ZHANG Xiaojing

Dr. ZHANG Xiaojing is an Associate Researcher in School of Electrical Engineering at Xi'an Jiaotong University (XJTU). She is a leading expert in high-performance green electrical materials, specializing in the design, performance evaluation, and carbon footprint analysis of insulation systems for critical power equipment such as transformers, new energy vehicle oil-cooled electric drive systems, and motors. Her research extends to liquid cooling technologies, including compatibility assessment and fluid modification for data centers and energy storage systems, addressing challenges in thermal management and sustainability. As a key figure in international standardization, Dr. Zhang serves as the sole official liaison for IEC TC10 and holds expert roles in multiple IEC committees (TC112 WG6, TC15 WG5/WG6), contributing to global guidelines for insulation materials and electrical fluids.

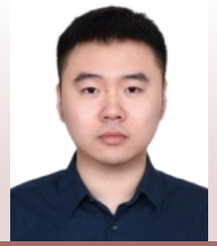
Prof. LIU Zhiyuan

Prof. LIU Zhiyuan is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). He is a pioneering figure in high-voltage vacuum circuit breaker technology and advanced electrical insulation systems. As a core member of the State Key Laboratory of Electrical Insulation for Power Equipment, Liu has led breakthroughs in SF6-free high-voltage vacuum interrupters, achieving international benchmarks in 126kV single-break vacuum circuit breakers through projects like the National Natural Science Foundation's Key Program and Shaanxi's Major Technological Innovation Initiative. His work addresses critical environmental challenges by reducing reliance on SF6, a potent greenhouse gas designated by the Kyoto Protocol. He has authored over 90 papers and holds 20+ patents, while shaping global standards as a committee member of the Current Zero Club (a prestigious international switchgear forum) and CIGRE's A3.27 Working Group on high-voltage vacuum circuit breakers.

Prof. SUN Jing

Prof. SUN Jing is an Assistant Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), specializing in plasma-coupled electrocatalytic technologies and plasma-enabled energy conversion. With a robust international academic background, she earned her Ph.D. in Chemical Engineering from the University of New South Wales (2023), following a Master's degree from the University of Melbourne (2016) and a Bachelor's degree in Pharmaceutical Engineering from Wuhan University of Technology (2013). Her groundbreaking work on plasma-driven catalytic systems has yielded 10+ SCI-indexed publications, with six first/corresponding-author papers in top-tier journals such as Energy & Environmental Science and Applied Catalysis B: Environmental, including one ESI Highly Cited Paper and a cover-featured study.

Invited Speakers for Academic Lectures



Prof. LI Yitong

Prof. LI Yitong is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), specializing in stability control of grid-forming/grid-following power electronic devices, renewable energy integration in modern power systems, and numerical computation and simulation of power electronics. With a strong international academic foundation, he earned his Ph.D. (2017–2021) and M.Sc. (2015–2016) in Electrical Engineering from Imperial College London, following a B.Sc. from Huazhong University of Science and Technology and the University of Birmingham (2011–2015). Prior to joining Xi'an Jiaotong University in 2023, he conducted cutting-edge research at Imperial College London as an Assistant Researcher (2020–2021) and Associate Researcher (2021–2023), focusing on advanced modeling and control strategies for power electronic-dominated grids.

Prof. WEI Yuqi

Prof. WEI Yuqi is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). He is a leading expert in cryogenic power electronics, high-performance resonant converters, and wide-bandgap semiconductor device applications. He earned his Ph.D. from the University of Arkansas (2022) following research stints as a visiting scholar at Kiel University, Germany (2021) and a postdoctoral fellow at the University of Arkansas (2022). Since joining Xi'an Jiaotong University in December 2023, he has spearheaded innovations in ultra-low-temperature power conversion systems, particularly advancing resonant converter modeling and design optimization.

Prof. LI Yufei

Prof. LI Yufei is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). He is a leading researcher in wide-bandgap power electronics, grid-connected advanced power conversion technologies, and AI/ML-driven power electronic systems. His international research experience includes serving as a Postdoctoral Fellow at the University of Arkansas' Wide-Bandgap Power Electronics Applications Lab (2022) and an Associate Researcher at Princeton University's Andlinger Center for Energy and Environment (2023), where he advanced research in grid-connected power conversion systems. He actively shapes the global academic landscape through editorial roles (e.g., Deputy Editor of Elsevier e-Prime) and leadership in flagship conferences, having chaired multiple IEEE ECCE tracks since 2023, including the 2025 ECCE Track E05 on DC-AC Single-Phase Systems.

Prof. ZE Qiji

Prof. ZE Qiji is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). He is a pioneering researcher in soft robotics and intelligent soft materials, with a focus on magnetic actuation and electromagnetic control systems. Educated entirely at Xi'an Jiaotong University, he earned his B.Eng. in Electrical Engineering and Automation (2007–2011), followed by a Ph.D. in Electrical Engineering (2011–2018). His international research training includes postdoctoral fellowships at The Ohio State University's Department of Mechanical and Aerospace Engineering (2018–2021) and Stanford University's Department of Mechanical Engineering (2021–2022), where he honed expertise in cross-disciplinary robotics design.

Prof. HUANGFU Youpeng

Prof. HUANGFU Youpeng is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). He is a leading researcher in aviation arc fault detection, low-power instrument transformer design, and electromagnetic transient analysis, recognized as a National Young Talent Program Awardee and Xi'an Jiaotong University Young Top Talent (Class A). Educated at Jilin University (B.Eng. in Electrical Engineering and Automation, 2008–2012) and Xi'an Jiaotong University (Ph.D. in Electrical Engineering, 2012–2019), he further honed his expertise through a dual doctoral program at Politecnico di Milano (2015–2019) and postdoctoral research at the same institution (2019–2023). He has authored 40+ publications in top-tier journals, including collaborative studies on digital twin-based grid measurement systems, and holds 1 pending national patent for low-power integrated transformers.

Prof. CHEN Wenjie

Prof. CHEN Wenjie is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU). She has dedicated her career to advancing high-density power conversion systems and EMI mitigation technologies. Educated entirely at Xi'an Jiaotong University, she earned her B.Eng. in Insulation Technology (1996), M.Eng. in Instrument Science and Technology (2002), and Ph.D. in Electrical Engineering (2006). During a pivotal visiting scholarship at the University of Tennessee's Department of Electrical Engineering and Computer Science (2012–2013), she expanded her expertise in EMI modeling and suppression strategies. As an IEEE Senior Member and Committee Member of the China Power Supply Society's EMC Specialized Committee, she bridges academia and industry through collaborations with institutions like the University of Tennessee.

Prof. DONG Tianyu

Prof. DONG Tianyu is a Professor in the School of Electrical Engineering at Xi'an Jiaotong University (XJTU), renowned for pioneering non-Hermitian physics in wireless power transfer and metamaterial-based electromagnetic regulation. Educated entirely at Xi'an Jiaotong University, he earned his B.Eng. (2008) and Ph.D. (2014) under the mentorship of Prof. Ma Xikui, with a pivotal visiting scholarship at Penn State University's EMC Lab (2011–2013) supervised by electromagnetic luminary Prof. Raj Mittra. Promoted to Associate Professor in 2017 and Full Professor in 2023, he leads the Advanced Electromagnetic Regulation and Energy Conversion Technology Research Center (CAEMEC) and serves as Deputy Director of the Transient Electromagnetic Environment International Joint Research Center (TEA).

Company Tour

Xi'an LONGI Silicon Materials

Xi'an LONGI Silicon Materials, a key subsidiary of LONGi Green Energy Technology Co., Ltd., holds a dominant position in the global photovoltaic (PV) industry as a vertically integrated leader specializing in monocrystalline silicon products. Its market influence stems from its early strategic focus on large-size, high-efficiency monocrystalline silicon wafers and PERC (Passivated Emitter Rear Contact) solar cell technologies, which set industry benchmarks for cost reduction and energy conversion efficiency.

As a pioneer in monocrystalline technology, LONGI has driven the global shift from polycrystalline to monocrystalline silicon in solar manufacturing, leveraging its R&D investments to maintain technological leadership. The company's integration across the value chain—from silicon wafers and solar cells to modules and power stations—strengthens its competitive edge and stabilizes its role as a supply chain anchor in renewable energy ecosystems. Ranked among the world's largest monocrystalline silicon producers, LONGI operates at an industrial scale with expansive production capacities. Its early adoption of diamond wire cutting and PERC production scaling (e.g., achieving 900MW PERC capacity in 2016) exemplifies its ability to balance innovation with mass manufacturing.

LONGI's advancements in reducing non-silicon production costs (e.g., 33% reduction in ingot production costs) and its role in standardizing high-efficiency solar technologies have reshaped global PV economics, accelerating solar energy adoption. The company's vertical integration model and participation in industry alliances, such as the National Silicon Industry Green Development Strategic Alliance, further amplify its impact on sustainable manufacturing practices and policy frameworks. By prioritizing R&D and strategic capacity expansions, LONGI has solidified its position as a global PV industry cornerstone, driving both technological progress and market consolidation.

TBEA Xi'an Electric Technology Co., Ltd.

TBEA 特变电工
装备中国 装备世界

TBEA Xi'an Electric Technology Co., Ltd., a subsidiary of TBEA Co., Ltd., is a prominent player in China's renewable energy sector, specializing in solar power components such as inverters, data loggers, and combiner boxes. Headquartered in Xi'an's High-Tech Zone, the company offers a diverse portfolio of on-grid inverters with power ranges spanning from residential-scale systems (3.3–5.5 kW) to industrial and utility-scale solutions (up to 6,875 kW), catering to a broad spectrum of solar energy applications . Its product lineup includes high-efficiency models like the TS60KTL-PLUS (66 kW) and TC5000KFT (5,500 kW), which underscore its technical expertise in optimizing energy conversion for grid-connected projects. Beyond hardware, TBEA Xi'an has demonstrated strategic growth through partnerships and acquisitions, such as its collaboration with SPI Energy to develop 168.5 MW solar projects in China, reinforcing its role in advancing large-scale renewable energy infrastructure. As part of TBEA's vertically integrated ecosystem, the company contributes to strengthening China's leadership in global solar manufacturing and clean energy transition.

Xi'an High Voltage Apparatus Research Institute

XIHARI
西安高压电器研究院股份有限公司
Xi'an High Voltage Apparatus Research Institute Co.,Ltd.

Xi'an High Voltage Apparatus Research Institute (XIHARI) is a pivotal institution in China's electrical equipment testing and certification sector, renowned for its global recognition and technological leadership. In December 2024, XIHARI achieved a milestone by becoming an accredited laboratory of Saudi Electricity Company (SEC), enabling its test reports to be directly used in SEC's power projects and marking a significant step in its international expansion. This accreditation covers testing capabilities for nearly all high-voltage equipment, ranging from low-voltage to ultra-high-voltage AC/DC systems, including transformers and substation devices across its facilities in Xi'an, Shenyang, and Changzhou. Aligned with Saudi Arabia's "Vision 2030" infrastructure push, XIHARI's collaboration with SEC underscores its role in advancing global energy transitions and enhancing China's influence in international electrical standards. The institute's rigorous R&D focus and partnerships with industry giants position it as a critical player in shaping the future of power grid reliability and sustainable energy technologies.

Xi'an Aike Saibo Electric Co., Ltd.

Xi'an Aike Saibo Electric Co., Ltd. (SSE: 688719), a leading Chinese innovator in power electronics and energy conversion technologies, specializes in precision test power supplies, specialized power systems, and power quality control solutions for high-tech industries. Founded in 1996 and headquartered in Xi'an High-Tech Zone, the company operates dual R&D and production bases in Xi'an and Suzhou, spanning over 40,000 square meters. Its products are integral to new energy vehicles (NEVs), photovoltaic energy storage, aerospace, and advanced scientific research, serving clients like BYD, Huawei, and national megaprojects such as the Experimental Advanced Superconducting Tokamak (EAST). With a focus on proprietary technologies—including high-density power conversion and intelligent control systems—Aike Saibo holds 166 patents and contributes to 33 national/industry standards. Despite a 61% decline in net profit in 2024 due to intensified R&D investments (20% of revenue), the company maintains a 41% gross margin and a market cap of ¥3.9 billion (as of March 2025), reflecting its strategic commitment to innovation and partnerships with institutions like Xi'an Jiaotong University. Listed on the STAR Market in 2023, Aike Saibo drives China's industrial automation and smart grid transitions through cutting-edge power solutions.

Xi'an Xidian Transformer Co.,Ltd.

Xi'an Xidian Transformer Co., Ltd., a subsidiary of China XD Group, is a leading manufacturer of high-voltage power transformers and reactor systems in China, specializing in ultra-high-voltage (UHV) transmission, smart grid solutions, and renewable energy integration. Established in 1958 and headquartered in Xi'an, the company has pioneered advancements in **±800kV and ±1100kV HVDC transformers**, critical for China's cross-regional power transmission projects like the West-East Electricity Transfer Program and global initiatives under the Belt and Road framework. With ISO 9001-certified production facilities and collaborations with global leaders such as Siemens and ABB, Xidian Transformer delivers customized solutions for hydropower, wind farms, and nuclear plants, ensuring grid stability and efficiency. Its R&D breakthroughs in eco-friendly insulating fluids and digital twin-based predictive maintenance have positioned it as a key contributor to global energy transitions, serving markets across Asia, Africa, and South America. The company's integration of AI-driven monitoring systems and participation in China's "Double Carbon" strategy underscore its role in advancing sustainable power infrastructure worldwide.

Mechanical Engineering

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2	Morning 09:00-09:30	Introduction of SAE
	Morning 10:00-10:40	Academic Lecture: Soft robot for real world applications (Prof Libo)
	Morning 10:40-11:20	Academic Lecture: charaterization of plasticity and ductile fracture of advanced metals under complex loading (Prof Lou Yanshan)
	Afternoon 14:30-15:10	Academic Lecture: The design of smart surface for drag reduction and applications (Prof Qin Liguo)
	Afternoon 15:10-15:20	Group Picture
	Afternoon 15:30-17:00	Academic Lecture: big data-driven intelligent fault diagnosis and prognosis of mechanical systems (ProfLixiang)
Day 3	Morning 09:00-10:20	Academic Lecture: Advanced Manufacturing Technology for Low-cost and High-quality Fibre Reinforced Composites (Prof Chenshuai) , freetalk (10 minuts)
	Morning 10:25-11:30	Academic Lecture: Machine Tool Thermal Error Modeling and Application through Integration of Data and Mechanism (Prof Shihu)
	Afternoon 14:30:15:30	Academic Lecture: Digital twin-driven health management and remaining useful life prediction of the gearbox transmission system (Prof Fengke), freetalk (10 minuts)
	Afternoon 15:40-16:40	Academic Lecture: Key Technologies of Battery Management System for Electric Vehicles & Robots (Prof Xujun)

Mechanical Engineering

Day 4	Morning 09:00-10:30	Academic Lecture: Smart microrobots using near-field acoustic adhesion (Prof Penjun)
	Morning 10:35-11:30	Academic Lecture: Soft electoactive materials and robots (Prof Zhu Zicai)
	Afternoon 14:30:15:30	Academic Lecture: Physics-informed deep neural networks for constitutive modelling of inelastic materials (Prof Chenqiang)
	Afternoon 15:35-17:00	Academic Lecture: 3D printing human tissue: where engineering meets biology (Professor Zhuhui)
Day 5	Morning 09:10-10:10	Academic Lecture: Biosensing and Biofabrication: Where Engineering, Biology, and Medicine Converge (Prof Lixiao)
	Morning 10:15-11:30	Academic Lecture: Fixed-abrasive electrochemical mechanical polishing of semiconductor wafers (Prof Yangxu)
	Afternoon 14:30:16:00	Academic Lecture: Industrial AI and intelligent maintenance of mechanical systems (Prof Lixiang)
	Afternoon 16:10-17:30	Academic Lecture: Numerical modeling of high performance machining processes-theory and approach (Prof Liuhongguang)
Day 6	Morning 09:00-10:15	Academic Lecture: Surface Texture and its Tribological Application (Prof Zhanghui)
	Morning 10:20-11:30	Academic Lecture: Interfacial Fluids and Heat Transfer on Micro/nano Structures (Prof Shimeng)
	Afternoon 14:30-16:00	Academic Lecture: eco-friendly reuse of metal chips with near-zero energy consumption and greenhouse emission (Prof Louyanshan)
	Afternoon 16:05-17:20	Academic Lecture: 3D printing in the new production pattern Research (fellow Wulingling)
Day 2-6 every day	Noon	Introduction to basic Chinese
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting

Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum, Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company Tour: Geely auto Xi'an manufacturing base tour Shaanxi Shuoke Intelligent Technology Co Xi'an Huazhong CNC Ltd
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure

Materials Science and Engineering

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2	Morning	Selected topics: Low dimension electronic materials synthesis and characterization
	Afternoon	Selected topics: Electron microscopy and its application in materials science
Day 3	Morning	Selected topics: Advanced functional oxides for optoelectronic applications
	Afternoon	Selected topics: Advanced ceramic: fabrication, properties and applications
Day 4	Morning	Selected topics: Atomistic simulations of dislocation mobility in high-entropy alloys
	Afternoon	Selected topics: Novel Materials for future memory and neuro-inspired computing technologies
Day 5	Morning	Selected topic: Electrically doped organic solar cells
	Afternoon	Selected topics: The interplay between 2Dmaterials and ferroelectric materials
Day 6	Morning	Selected topics: Thermal spray techniques and their applications
	Afternoon	Selected topics: Design and development of computing materials in phase change memory

Day 2-6 every day	Noon	Introduction to basic Chinese
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting
Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum, Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company tour: State-Key Laboratory for Mechanical Behavior of Materials (SKL-MBM) Institute of Materials Science and Engineering, Western China Science & T echnology Innovation Harbour (iHarbour) Northwest Institute for Non-Ferrous Metal Research Shaanxi Institute for Materials Engineering Western Baode Technologies Co. Ltd. Shaanxi Sirui Advanced Materials Co., Ltd.
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure

Electronic and Information Engineering

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2	Morning	Selected topics in Control Science and Technology
	Afternoon	Selected topics in Control Science and Technology
Day 3	Morning	Selected topics in Computer Science and Technology
	Afternoon	Selected topics in Computer Science and Technology
Day 4	Morning	Selected topics in Electronic Science and Engineering
	Afternoon	Selected topics in Electronic Science and Engineering
Day 5	Morning	Selected topics in Communications Engineering
	Afternoon	Selected topics in Communications Engineering
Day 6	Morning	Selected topics in Micro Electronics Engineering
	Afternoon	Selected topics in Micro Electronics Engineering

Day 2-6 every day	Noon	Introduction to basic Chinese
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting
Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum, Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company Tour: Visit Tour in BYD, Huawei, ZTE, China UniCom, China Mobile, etc. (TBD)
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure

Aerospace Engineering

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2	Morning 09:00-09:30	Introduction of SAE
	Morning 10:00-11:00	Academic Lecture: Fracture mechanics of heterogeneous soft materials (Prof Wang Zhengjin)
	Afternoon 15:00-16:00	Academic Lecture: coexistence of spatio-temporal scales and dynamic crossovers in complex fluids (Prof Zhao Songchun)
Day 3	Morning 10:00-11:00	Academic Lecture: Mechanics of Hydrogels and Applications? (Prof Tang Jingda)s)
	Afternoon 15:00-16:00	Academic Lecture: Lectures: Thermal in our life and universe (Prof Yue Shengying)
Day 4	Morning 10:00-11:00	Academic Lecture: Biophysical fingerprints of diseases and cancers (Prof Chang Zhuo)
	Afternoon 15:00:16:00	Academic Lecture: In-situ studies of grain micromechanics using X-ray techniques (Prof Zhai Chongpu)
Day 5	Morning 10:00-11:00	Academic Lecture: A discontinuity feedback factor for compressible flow simulation (Prof Jixing)
	Afternoon 15:00:16:00	Academic Lecture: Modeling of the thermomechanical behavior of braided SiCf/SiC composite cladding tube during irradiation (Prof Liwei)
Day 6	Morning 10:00-11:10	Academic Lecture: Aerodynamics of insect flight (Prof Meng Xueguang)
	Afternoon 15:00:16:00	Academic Lecture: Hypersonic aerodynamic for vehicle and propulsion (Prof Zuo Fengyuan)

Day 2-6 every day	Noon	Introduction to basic Chinese
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting
Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum, Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company tour: Geely auto Xi'an manufacturing base tour Shaanxi shuoke intelligent technology co Xi'an huazhong cnc ltd
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure

Chemical Engineering and Technology-Carbon Neutralization Pathways and Technologies

Day 1	Morning	Arrival at Xi'an & Check-in
	Afternoon	Orientation Campus tour
	Evening	Visit the "The Longest Day in Chang'an" theme block,China's first immersive Tang-style city life district
Day 2	Morning 09:00-09:50	Introduction of SCET
	Morning 09:50-10:20	Laboratory Tour
	Have a break	10-minute Break
	Morning 10:30-12:00	Lecture 1: Carbon Neutralization Related Topic
	Afternoon 14:30-16:00	Lecture 2: Catalysis and Fuel Cells Related Topic
	Afternoon 16:00-16:20	Group Picture
	Afternoon 16:20-17:00	Campus Tour
Day 3	Morning 10:00-11:00	Lecture 3: Carbon Dioxide Conversion Related Topic
	Afternoon 15:00-16:00	Campus Tour + University Museums
Day 4	Morning 10:00-11:00	Lecture 4: Biotransformed Proteins Related Topic
	Afternoon 15:00:16:00	Lecture 5: Carbon Capture and Utilization Related Topic

Day 5	Morning 10:00-11:00	Lecture 6: Carbon Capture and Utilization Related Topic
	Afternoon 15:00:16:00	Lecture 7: Solar Receiver and Storage Related Topic
Day 6	Morning 10:00-11:10	Lecture 8: Metal Hydride Heat Pump Systems Related Topic
	Afternoon 15:00:16:00	Lecture 9: Hydrogen Economy Related Topic
Day 2-6 every day	Noon	Introduction to basic Chinese
	Evening	Experiencing traditional Chinese culture: Chinese calligraphy, Paper cutting
Day 7	Morning	Visit the Ming City Wall Ruins
	Afternoon	Visit the emperor Qinshihuang's mausoleum site museum, Visit Huaqing Palace and tour Mount Li
	Evening	Watch the Changhenge musical show
Day 8	Whole Day	Free activities
Day 9-12	Whole Day	Company tour: BYD Auto Industry Co., Ltd. Tour Shaanxi Blower (Group) Co.,Ltd. Tour Shaanxi Coal Chemical Industry Technology Research Institute Co., Ltd Tour LONGi Green Energy Technology Co.,Ltd. Tour Shaanxi Hydrotransformer Energy Technology Co., Ltd. Tour
Day 13	Morning	Wrap-up meeting and Farewell Ceremony
Day 14	Whole Day	Departure