



CIDT 2026

第三届通信、信息与数字技术学术会议

会 议 日 程 Conference Program

2026 年 9 月 11-13 日 | 中国西安（西京学院）

September 11-13, 2026 | Xian, China (Xijing University)

目 录

大会简介1

Introduction2

组织机构3

Organization7

特邀嘉宾11

Speakers 15

会议日程19

Program21

会议地点23

Venue 24

摘要/Abstract25

大会简介

第三届通信、信息与数字技术学术会议（CIDT 2026）将于 2026 年 9 月 11-13 日在西京学院举办。

本次会议由西京学院主办，西京学院电子信息学院、西安市低空飞行器智能感知与自主导航重点实验室、西安市高精密工智能视觉测量技术重点实验室、现代果业数智化工程陕西省高校工程研究中心、西安市科技创新智库（空天地一体化网络通信和人工智能工业大模型）、陕西省低空无人系统具身智能概念验证中心、国际应用科学与技术协会（IAAST）和微研学术承办，陕西省高校黄大年式教师团队协办，并得到黄冈师范学院、法国上阿尔萨斯大学、法国高等计算机、电子及自动化学校（ESIEA Paris）和浙江工业大学的大力支持。会议以“通信、信息与数字技术”为主题，旨在为通信工程、信息技术等相关应用领域的专家、学者与工程技术人员搭建一个高水平的学术交流平台。通过分享前沿科研成果，会议将助力该领域的科研创新与技术落地应用。

大会设置特邀报告、口头汇报、学术墙报展示等环节，与会者既可聆听专家前沿报告，也可展示自身研究成果，开展学术互动。

诚邀各位同仁齐聚西安，共研通信工程、下一代网络、信息与数字技术新技术、共促领域新发展！

Introduction

Building on the success of the previous session, the 3rd Conference on Communication, Information and Digital Technologies will be held during September 11-13, 2026 at Xijing University in Xi'an, China.

This conference is hosted by Xijing University; organized by School of Electronic Information of Xijing University, International Association of Applied Science and Technology (IAAST), WeResearch, and other participating institutions; in associated with Huanggang Normal University, Haute Alsace University, ESIEA Paris, Zhejiang University of Technology.

Under the theme of "Communication, Information and Digital Technologies", this conference aims to be the premier forum for stimulating scholarly discussion and disseminating research in the related fields of Communication, Information and Digital Technologies. The Organizing Committee welcomes scientists, researchers and engineers to come and present their most recent ideas, innovations, and trends in the fields of Communication, Information and Digital Technologies.

组织机构

主办单位

西京学院

承办单位

西京学院电子信息学院

西安市低空飞行器智能感知与自主导航重点实验室

西安市高精密工业智能视觉测量技术重点实验室

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西安市科技创新智库（空天地一体化网络通信和人工智能工业大模型）

陕西省低空无人系统具身智能概念验证中心

国际应用科学与技术协会（IAAST）

微研学术

协办单位

陕西省高校黄大年式教师团队

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黄冈师范学院

法国上阿尔萨斯大学

法国高等计算机、电子及自动化学校（ESIEA Paris）

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大会主席（排名不分先后）

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Organization

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Xijing University

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School of Electronic Information, Xijing University

Xi'an Key Laboratory of Intelligent Sensing and Autonomous Navigation for Low Altitude Vehicles

Xi'an Key Laboratory of High-Precision Industrial Intelligent Vision Measurement Technology

Engineering Research Center of Digital Intellectualization of Modern Fruit Industry, Universities of Shaanxi Province

Xi'an Science and Technology Innovation Think Tank (Research Focus: Space-Air-Ground Integrated Network Communication and Industrial Large-scale Artificial Intelligence Model)

Shaanxi Concept-Verification Center for Embodied Intelligence of Low-Altitude Unmanned Systems

International Association of Applied Science and Technology (IAAST)

WeResearch

Co-Organized by

Shaanxi University Huang Dalian-style Teacher Team

In Association With

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Haute Alsace University

ESIEA Paris

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柯熙政博士是陕西省教学名师、俄罗斯自然科学院外籍院士。中国电子学会终身高级会员、中国光学学会终身高级会员，中国仪器仪表学会、中国光学工程学会高级会员。担任中国光学工程学会理事、中国产业合作促进会新能源与材料专业委员会副主任委员；国际光学工程学会（SPIE）终身会员。担任《光无线通信》主编，兼任《大气科学研究期刊》《电子与电信工程期刊》等多本期刊编委。2000 年荣获中国科学院优秀青年学者奖。他发起创办“无线光通信理论与组网技术论坛”，该论坛已成功举办五届，担任论坛名誉主席与大会主席。



高飞飞

清华大学教授、国家自然科学基金委杰出青年基金获得者。

研究领域：通信信号处理、阵列信号处理、凸优化和人工智能辅助通信。

高飞飞教授（IEEE 会士）于 2002 年获得中国西安交通大学工学学士学位，2004 年获得加拿大安大略省汉密尔顿市麦克马斯特大学理学硕士学位，2007 年获得新加坡国立大学博士学位。2011 年入职清华大学自动化系，现任清华大学长聘全职教授。他独立及合作撰写 200 余篇同行评审 IEEE 期刊论文、150 余篇 IEEE 会议论文，谷歌学术引用量超 18000 次。曾担任 2019 年 IEEE 国际通信大会（ICC）、2018 年 IEEE 春季车辆技术大会（VTC）、2015 年 IEEE 国际通信大会（ICC）、2014 年 IEEE 全球通信大会（GLOBECOM）、2014 年 IEEE 秋季车辆技术大会（VTC）专题分会共同主席，同时担任 50 余场 IEEE 国际会议技术委员会委员。

特邀嘉宾



赵军辉

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赵教授为北京交通大学教授。曾先后在中兴公司、韩国延世大学、澳门科技大学、新加坡南洋理工大学开展工作与研究。入选教育部新世纪优秀人才支持计划（NCET）。曾荣获中国电子学会（CIE）优秀科技工作者、中国人工智能学会（CAAI）学会优秀工作者、《中国通信》2020 年度与 2023 年度最佳编委等荣誉。现任中国通信学会会士（CIC Fellow）、英国工程技术学会会士（IET Fellow）暨学会评审委员会委员、中国计算机学会（CCF）杰出会员、IEEE 高级会员、中国人工智能学会（CAAI）高级会员、中国电子学会（CIE）高级会员；担任中国计算机学会智能交通系统专业委员会副主任，同时为相关行业协会评审专家。



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研究领域：人工智能与智能信息处理、振动信号处理与信息提取、地球探测与信息技术等相关算法和应用。

薛教授现任成都信息工程大学通信工程学院（微电子学院）教授。她是四川省有突出贡献优秀专家、四川省学术和技术带头人后备人选、四川省杰出青年学术技术带头人资助计划获得者，2016 年获国际埃尼奖（Eni Award）提名。近年来，薛教授在国内外高水平期刊及重要学术会议发表论文 120 余篇。她是 IEEE 高级会员，担任国际 SCI 期刊《地球科学前沿》编委、EI 期刊《石油与天然气地质》青年编委，同时担任 40 余种国际 SCI 期刊审稿人。

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Danilo Pelusi 博士担任通信科学系信息处理系统方向全职教授，拥有计算机专业正教授国家资质。受聘为印度泰米尔纳德邦拉贾帕拉耶姆拉姆科理工学院（安娜大学）、哥印拜陀拉西纳姆技术园区（安娜大学）荣誉教授，以及印度甘戈希绍比特大学工程与技术学院计算机科学兼职教授。入选全球前 2% 顶尖科学家榜单（2021 - 2024），在 2024 年 ScholarGPS 排名位列全球前 0.5%。多次受邀在 IEEE 系列会议担任主旨报告嘉宾、荣誉嘉宾。历任多场 IEEE 会议主席、多种国际期刊编委、国际会议学术委员会委员。拥有多项人工智能领域发明专利；同时为泰拉莫大学经济与社会科学博士学院成员，计算天体物理学博士，持有物理学学位。



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张教授于 2006 年获得中国矿业大学（北京）电气工程博士学位。2000 至 2010 年，任职于北京摩托罗拉公司，担任软件经理、高级软件工程师。2010 年 9 月—2013 年 10 月，在加拿大多伦多瑞尔森大学电气与计算机工程系通信与信号处理应用实验室（CASPAL）从事博士后研究。自 2013 年 10 月起入职天津科技大学人工智能学院，现任全职教授。他累计发表论文 120 余篇，主持或参与 40 余项科研项目。张教授在多项国际会议中担任重要职务：第 20、21、22 届国际智能计算会议（ICIC 2024, ICIC 2025, ICIC 2026）程序委员会共同主席、第 20 届 ICIC 程序委员会共同主席，以及第六届 IEEE 信号处理与机器学习国际会议大会共同主席。多年来，他担任多本学术期刊审稿人与副主编，包括《IEEE 地球科学与遥感汇刊》、《IEEE 物联网期刊》、《传感器》《植物科学前沿》以及《神经计算》。

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西京学院教授。

研究领域：机器视觉、深度学习与生命信息。

李盛，教授、硕士生导师。获西安交通大学生物医学工程博士学位，曾在美国从事博士后研究。获陕西省科学技术进步奖一等奖，入选“三秦学者”创新团队。主要研究方向为机器视觉、深度学习及智能生物医学信息处理。主持国家自然科学基金面上项目 2 项、陕西省科技厅省级科研项目 4 项。在国内外权威期刊发表学术论文 50 余篇。获授权国家发明专利 4 项及多项实用新型专利，出版学术专著 1 部。



MOHAMED-SLIM ALOUINI

世界科学院院士、美国国家工程院外籍院士、沙特阿拉伯阿卜杜拉国王科技大学教授。

研究领域：MIMO 技术、多跳与协作通信、光无线通信系统、认知无线电系统、绿色通信系统、水下 / 海上通信系统及空天地一体化网络。

Mohamed-Slim Alouini 教授（IEEE、OPTICA 会士）拥有 30 年学术生涯。他研发了用于评估射频与无线光通信系统性能的分析与仿真工具，并面向新兴无线网络完成创新技术的设计与优化。他是阿卜杜拉国王科技大学电子与计算机工程（ECE）项目联合创始人，凭借在无线通信领域的开创性研究培养新一代工程人才。他发表大量会议与期刊论文，合著由威立国际科学出版的教材《衰落信道上的数字通信》。曾任 IEEE 期刊系列丛书主编；自 2025 年起担任自然合作期刊《npj·无线技术》无线技术创始主编，自 2022 年起担任《IEEE 航空航天与电子系统汇刊》编委。阿鲁尼教授多年担任多个 IEEE 学会杰出讲师。

Speakers



Xizheng Ke

Foreign Member of the Russian Academy of Natural Sciences, Xi'an University of Technology, China.

Research field: Wireless Laser Communication Theory and Technology, Advanced Navigation Theory and Technology.

Dr. Xizheng Ke is a Distinguished Teacher of Shaanxi Province. He is a Life Senior Member of the Chinese Institute of Electronics and the Chinese Optical Society, a Senior Member of the China Instrument and Control Society, and the Chinese Society for Optical Engineering. He serves as a Council Member of the Chinese Society for Optical Engineering and as Vice Chairman of the New Energy and Materials Division of the China Industrial Cooperation Association. He is also a Life Member of SPIE. In 2000, he was awarded the Outstanding Young Scholar Award by the Chinese Academy of Sciences. He founded the "Wireless Optical Communication Theory and Networking Technology Forum," which has been successfully held for five sessions.



Feifei Gao

Professor, Tsinghua University, China.

Research field: signal processing for communications, array signal processing, convex optimizations, and artificial intelligence assisted communications.

Feifei Gao (IEEE Fellow) received the B.Eng. degree from Xi'an Jiaotong University, Xi'an, China in 2002, the M.Sc. degree from McMaster University, Hamilton, ON, Canada in 2004, and the Ph.D. degree from National University of Singapore, Singapore in 2007. Since 2011, he joined the Department of Automation, Tsinghua University, Beijing, China, where he is currently a tenured full professor. He has authored/coauthored more than 200 refereed IEEE journal papers and more than 150 IEEE conference proceeding papers that are cited more than 18000 times in Google Scholar. He has also served as the symposium co-chair for 2019 IEEE Conference on Communications (ICC), 2018 IEEE Vehicular Technology Conference Spring (VTC), as well as Technical Committee Members for more than 50 IEEE conferences.

Speakers



Junhui Zhao

Professor, Beijing Jiaotong University, China.

Research field: Broadband mobile communication systems and dedicated mobile communications, Wireless communications and AI engineering application development, Artificial intelligence (AI) application research.

Professor Zhao is Professor of Beijing Jiaotong University. He previously worked and studied at ZTE Corporation, Yonsei University in South Korea, Macau University of Science and Technology, and Nanyang Technological University in Singapore. He is currently a Fellow of the CIC, a Fellow of the IET and a member of its review committee, a Distinguished Member of the China Computer Federation (CCF), a Senior Member of the IEEE, a Senior Member of the CAAI, a Senior Member of the CIE, the Deputy Director of the Intelligent Transportation Systems Technical Committee of the CCF, and an evaluation expert for relevant industry associations.



Yajuan Xue

Professor, Chengdu University of Information Technology, China.

Research field: Artificial intelligence and intelligent information processing, vibration signal processing and information extraction, Earth Exploration and Information Technology, and related algorithms and applications.

Prof. Xue currently working as a professor at the College of Communication Engineering (College of Microelectronics), Chengdu University of Information Technology, China. She is candidate for the Academic and Technology Leadership Program of Sichuan Province, and a recipient of the Sichuan Provincial Outstanding Young Academic and Technology Leaders Funding Program. She was nominated for the International Eni Award in 2016. In recent years, Professor Xue has published over 120 papers in high-level domestic and international journals and major academic conferences. Professor Xue is a Senior Member of IEEE. She is an editorial board member of the international SCI journal Frontiers in Earth Science and a young editorial board member of the EI journal Petroleum and Natural Gas Geology. She has served as a reviewer for more than 40 international SCI journals.

Speakers



Danilo Pelusi

Professor, University of Teramo, Italy.

Research field: Artificial intelligence; implementation of signal processing and pattern recognition algorithms; fuzzy logic; neural networks and genetic algorithms.

He is a Full Professor of Information Processing Systems (IINF-05/A) in the Department of Communication Sciences.

He has obtained the national qualification as Full Professor in Computer Science (INFO-01/A). Recognized as a World's Top 2% Scientist (2021–2024) and among the Top 0.5% in the 2024 ScholarGPS rankings, he is frequently invited as a Keynote Speaker and Guest of Honor at IEEE conferences, and he serves as Guest Editor for Special Issues of journals published by Elsevier, Springer, MDPI, AIMS Press, and Inderscience. He has been Chair of IEEE conferences, a member of editorial boards of various international journals. He holds a Ph.D. in Computational Astrophysics.



Chuanlei Zhang

Professor, Tianjin University of Science and Technology, China

Research field: pattern recognition, data mining, computational intelligence, and applications in embodied intelligence, intelligent robotics.

Chuanlei Zhang received his Ph.D. degree in electrical engineering from China University of Mining and Technology (Beijing), in 2006. From September 2010 to October 2013, he held a post-doctoral position at Ryerson University, Canada. Since October 2013, he has been with the College of Artificial Intelligence at Tianjin University of Science and Technology. He has published over 120 papers and has led or participated in more than 40 research projects. Prof. Zhang has served in numerous roles at international conferences, including Program Committee Co-Chair of the 20th, 21st, and 22nd International Conference on Intelligent Computing (ICIC 2024, ICIC 2025, ICIC 2026 and General Co-Chair of the IEEE 6th International Conference on Signal Processing and Machine Learning. He has served as a reviewer and an Associate Editor for several research journals over the years.

Speakers



Sheng Li

Professor, Xijing University, China.

Research field: machine vision, deep learning, and intelligent biomedical information processing.

Li Sheng is a Professor and Master's Supervisor. He received his Ph.D. in Biomedical Engineering from Xi'an Jiaotong University and conducted postdoctoral research in the United States. He is a recipient of the First Prize of Shaanxi Provincial Science and Technology Progress Award and a member of the Innovation Team of the "Three Qin Scholars" Program. He has led two General Programs of the National Natural Science Foundation of China and four provincial-level research projects funded by the Shaanxi Provincial Department of Science and Technology. He has published over 50 academic papers in prestigious domestic and international journals. He holds 4 authorized national invention patents and multiple utility model patents, and has authored one academic monograph.



MOHAMED-SLIM ALOUINI

Fellow of The World Academy of Sciences, Foreign Member of the National Academy of Engineering, King Abdullah University of Science and Technology, Saudi Arabia.

Research field: MIMO techniques; multi-hop and cooperative communications; optical wireless communication systems; cognitive radio systems; underwater/maritime communication systems and integrated ground-airborne-space networks.

Throughout his 30-year academic career, Professor Mohamed-Slim Alouini, an IEEE and OPTICA Fellow, has developed analytical and simulation tools for evaluating the performance of radio-frequency and optical wireless communication systems. He has also designed and optimized innovative technologies for emerging wireless networks. Professor Alouini, a co-founder of KAUST's ECE program, inspires future engineers through his pioneering work in wireless communications. Professor Alouini has published numerous conference and journal papers and co-authored the textbook Digital Communication over Fading Channels, published by Wiley Interscience. He was also a series editor for the IEEE journal.

会议日程

2026 年 9 月 11 日 全季酒店（西安长安广场地铁站店） 陕西省西安市长安区西长安街 195 号铂都长安大厦	
15:00-18:00	会议报到
2026 年 9 月 12 日 西京学院（陕西省西安市长安区西京路 1 号） 腾讯会议室链接： https://meeting.tencent.com/dm/kejFesuuApg5 腾讯会议室 ID：761-820-803	
08:00-08:45	会议报到
09:00-09:10	开幕式 主持人：王锋，西京学院电子信息学院院长、教授
09:10-09:20	开幕致辞
09:20-09:30	合影
09:30-10:00	特邀报告 1 柯熙政，俄罗斯自然科学院外籍院士、西安理工大学教授 报告题目：无线光通信系统模型
10:00-10:30	特邀报告 2 高飞飞，清华大学教授、国家自然科学基金委杰出青年基金获得者 报告题目：集成传感与通信系统的关键技术与原型设计
10:30-10:50	茶歇 墙报展示
10:50-11:20	特邀报告 3 赵军辉，北京交通大学教授 报告题目：从单车感知到车路协同：探索自动驾驶中的感知与通信融合
11:20-11:50	特邀报告 4 薛雅娟，成都信息工程大学通信工程学院副院长、教授 报告题目：能量控制量子滤波及其在地震去噪中的应用
11:50-12:00	主题分享：IAAST 2026 国际会议亮点前瞻
12:00-14:00	午餐 午休
14:00-14:30	特邀报告 1 Danilo Pelusi，意大利泰拉莫大学教授 报告题目：基于对立稀疏进化优化的通信高效联邦学习
14:30-15:00	特邀报告 2 张传雷，天津科技大学教授 报告题目：迈向健壮的具身智能：从形态-任务-健壮性视角探讨深度强化学习
15:00-15:30	特邀报告 3 李盛，西京学院教授 报告题目：基于多模态特征融合与动态多专家集成学习的多类病理

	性语音分类
15:30-16:00	特邀报告 4 Mohamed-Slim Alouini, 世界科学院院士、美国国家工程院外籍院士、沙特阿拉伯阿卜杜拉国王科技大学教授 报告题目：充分发挥“平流层”的全部潜力
16:00-16:15	口头汇报 1 李飞翔, 西安外国语大学 题目：大型语言模型在隐喻特定情感识别中的控制性评估
16:15-16:30	口头汇报 2 孙诗博, 西京学院 题目：可穿戴同步脑电图与心电图采集系统的低功耗硬件设计
16:30-16:45	口头汇报 3 游皓云, 大连民族大学 题目：交互式皮影机器人系统设计
16:45-17:00	更多口头汇报
17:00-17:15	优秀颁奖+会议闭幕

Program

September 11, 2026 JI HOTEL (Mudu Chang'an Building, No. 195 West Chang'an Street, Chang'an District, Xi'an, Shanxi, China)	
15:00-18:00	Registration
September 12, 2026 Xijing University (Address: No. 1 Xijing Road, Chang'an District, Xi'an, Shaanxi, China) VooV Meeting Link: https://voovmeeting.com/dm/kejFesuuApg5 VooV Meeting ID: 761-820-803	
08:00-08:45	Registration
09:00-09:10	Opening Host: Feng Wang, Dean of the School of Electronic Information, Xijing University, China
09:10-09:20	Opening Speech
09:20-09:30	Group Photo
09:30-10:00	Keynote Speech 1: Prof. Xizheng Ke, Foreign Member of the Russian Academy of Natural Sciences, Xi'an University of Technology, China Title: Optical Wireless Communication System Model
10:00-10:30	Keynote Speech 2: Prof. Feifei Gao, Tsinghua University, China Title: Key Technologies and Prototype Design for Integrated Sensing and Communications System
10:30-10:50	Tea Break & Poster
10:50-11:20	Keynote Speech 3: Prof. Junhui Zhao, Beijing Jiaotong University, China Title: From Single-Vehicle Perception to Vehicle-Infrastructure Collaboration: Exploring Perception-Communication Fusion in Autonomous Driving
11:20-11:50	Keynote Speech 4: Prof. Yajuan Xue, Chengdu University of Information Technology, China Title: Energy-Controlled Quantum Filtering and Its Application to Seismic Denoising
11:50-12:00	Theme Presentation: Highlights of IAAST 2026 International Conference
12:00-14:00	Lunch Break
14:00-14:30	Keynote Speech 1: Prof. Danilo Pelusi, University of Teramo, Italy Title: Communication-Efficient Federated Learning via Opposition-Based Sparse Evolutionary Optimization
14:30-15:00	Keynote Speech 2: Prof. Chuanlei Zhang, Tianjin University of Science and Technology, China Title: Towards Robust Embodied Intelligence: A Morphology–Task–Robustness Perspective on Deep Reinforcement

	Learning
15:00-15:30	Keynote Speech 3: Prof. Sheng Li, Xijing University, China Title: Multi-modal Feature Fusion and Dynamic Multi-expert Ensemble Learning for Multi-class Pathological Speech Classification
15:30-16:00	Keynote Speech 4: Prof. Mohamed-Slim Alouini, Fellow of The World Academy of Sciences, Foreign Member of the National Academy of Engineering, King Abdullah University of Science and Technology, Saudi Arabia Title: Tapping into the Full Potential of the Stratosphere
16:00-16:15	Oral Presentation 1 Feixiang Li, Xi'an International Studies University, China Title: A Controlled Evaluation of Large Language Models for Metaphor-Specific Affect Identification
16:15-16:30	Oral Presentation 2 Shibo Sun, Xijing University, China Title: Low-Power Hardware Design of Wearable Synchronous Electroencephalogram and Electrocardiogram Acquisition System
16:30-16:45	Oral Presentation 3 Haoyun You, Dalian Minzu University, China Title: Design of an Interactive Shadow Puppet Robot System
16:45-17:00	More Oral Presentations
17:00-17:15	Awards & Closing

会议地点

会议地点：西京学院（陕西省西安市长安区西京路1号）

会场：西京学院小礼堂

午餐地点：璞玉楼餐饮中心四楼荷塘教工餐厅

交通：西京学院距西安站 17 公里/西安北站 30 公里，距西安咸阳国际机场 50 公里，距何家营地铁站 1.1 公里。



Venue

Conference Venue: Xijing University (Address: No. 1 Xijing Road, Chang'an District, Xi'an, Shaanxi, China)

Venue: Small Auditorium, Xijing University

Lunch Location: Hetang Faculty Canteen, 4th Floor, Puyu Building

Traffic: Xijing University is 17 kilometers away from Xi'an Railway Station/ 30 kilometers away from Xi'an North Railway Station, 50 kilometers from Xi'an Xianyang International Airport, and 1.1 kilometers from Hejiaying Metro Station.



