LISS2025

Final Program

15th International Conference on

Logistics, Informatics and Service Sciences

1-5 August, 2025, Budapest, Hungary with satellite sessions in Beijing, China

Hosted by
IEEE SMC Technical Committee on Logistics Informatics and Industrial Security Systems
The International Center for Informatics Research, Beijing Jiaotong University, China
School of Economics and Management of Beijing Jiaotong University, China
Department of Humanities and Social Science, Beijing Jiaotong University, China
National Academy of Economic Security, Beijing Jiaotong University, China

In cooperation with
Budapest University of Technology and Economics, Hungary
Informatics Research Centre, University of Reading, UK

Supported by
K. C. Wong Education Foundation (Hong Kong)
Sino-EU Doctoral School for Sustainability Engineering (Program in Logistics, Information, Management and Service Science)
Beijing Logistics Informatics Research Base
Key Laboratory of Logistics Management and Technology of Beijing

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Foreword

Welcome to participate in the conference of the 15th International Conference on Logistics, Informatics and Services Sciences (LISS2025). The conference is hosted by IEEE SMC Technical Committee on Logistics, Informatics and the International Center for Informatics Research of Beijing Jiaotong University, Industrial Security Systems, School of Economics and Management of Beijing Jiaotong University, Department of Humanities and Social Science of Beijing Jiaotong University, National Academy of Economic Security of Beijing Jiaotong University, in cooperation with Budapest University of Technology and Economics, Hungary, Informatics Research Centre, University of Reading, UK, and supported by K. C. Wong Education Foundation (Hong Kong), IEEE Systems, Man, and Cybernetics Society, Sino-EU Doctoral School for Sustainability Engineering (Program in Logistics, Information, Management and Service Science), Beijing Logistics Informatics Research Base, Key Laboratory of Logistics Management and Technology of Beijing.

This conference is a prime international forum for both academic researchers and industry practitioners to exchange latest fundamental advances in state-of-art and practice of logistics, informatics and service sciences. It has three simultaneous tracks, which cover different aspects and include: *Logistics & Supply Chain, Informatics & Information Management, and Service Sciences*. Papers in each track describe state-of-art research works that are often oriented towards real world applications and highlight the benefits of related methods and techniques for the emerging field of logistics, informatics and service science development. The conference theme is "AI Driven Digitalisation, Innovation and Transformation in Logistics, Informatics and Services".

Many people have made dedicated efforts for the conference, we would like to take this opportunity to give our grateful thanks for them. First, we would like to thank the authors, whose research and development efforts are recorded here. Second, we thank the members of the program committee and the additional reviewers for their valuable help with their professional reviewing of all submissions. Third, we thank the invited speakers for their invaluable contribution and the time for preparing their talks. Fourth, we thank the special session chairs whose collaboration with LISS was much appreciated. Last but important, many thanks are given to the colleagues from Beijing Jiaotong University and Budapest University of Technology and Economics for their hard work in organizing this event.

We wish you all enjoy an exciting conference and an unforgettable stay in Budapest, Hungary or in Beijing, China. We hope to meet you again next year for the LISS2026, which will be held at the University of Oxford. The details will soon be available at http://icir.bjtu.edu.cn/liss2026.

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Opening ceremony

Budapest, Hungary
Saturday, 2 August, 2025
08:30-09:00 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem
Budapest University of Technology and Economics, Budapest, Hungary
(St. : Electrical Engineering and Informatics Buildings)

Beijing, China
Saturday, 2 August, 2025
14:30-15:00 (online)(Local Time)
Room SD821
Beijing Jiaotong University Siyuan East Building, Beijing Jiaotong University
Siyuan East Building, Beijing Jiaotong University
(SD: Beijing Jiaotong University Siyuan East Building)

Keynote Lectures

Budapest, Hungary
Saturday, 2 August, 2025
09:00-09:40 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

A method for generating linkage memory model based on big data global linkage space

Xuewei Li

Professor, Beijing Jiaotong University

In recent years, artificial intelligence and its application technologies have developed rapidly, with well-known domestic and foreign products such as Chat GPT and DeepSeek achieving fruitful results and being widely used. This is due to the successful application of large models built on the foundation of big data science, information technology, networks, algorithms, computing power, and other technologies. At present, scientists have successfully applied a series of physical statistical models formed by nature to the generative learning methods of AI. In the linkage analysis of big data, we have also applied a series of existing tool algorithms or particle swarm optimization algorithms based on the data characteristics of the linkage space. Based on the concept of big data global linkage space, this article analyzes the differences and connections between the physical world global linkage space (GLS) and the human consciousness world global thinking space (GTS), and designs a model method for perception, recognition, learning, linkage memory, generative learning, and output selection that can be used by physical world robots and preliminary conscious embodied robots with humans. In order to develop algorithms that can be practically applied, we defined a set of embodied machine data descriptions with human (preliminary) consciousness and personality characteristics, explored special algorithms for practical computing applications, and pointed out the future direction of embodied robot technology with human consciousness and thinking. Among them, the model method of linked memory has achieved preliminary application results in the experiments of advanced risk prevention and emergency response in the transportation field.

Xuewei Li, Vice Chairman of Transportation Branch of China System Engineering Society, Professor of Beijing Jiaotong University, President of China Russia Jiaotong University Presidents Union (Chinese side), and President of Eurasian Association of Transportation Universities. In recent years, he led his team to make important achievements in key technologies of Big data, high-speed rail safety, intelligent transportation and other fields, and won the second prize of the 10th Wu Wenjun Artificial Intelligence Science and Technology Progress Award. He has presided over more than 10 national and provincial and ministerial research Science Institute, and published more than 10 books. Besides, he has published over 60 papers in important journals and conferences, such as the Journal of Forecasting, Chinese Science Bullitin, Electronic Science, Chinese Soft Science, Quantitative and Technological Economics, Control and Decision Making.

Budapest, Hungary
Saturday, 2 August, 2025
10:30-11:10 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

On an aggregation theory for indicators expressing behaviors of complex systems with an application to sustainability

Yannis A. Phillis

A member of the Greek PEN Club, and Poets and Writers, USA
Fellow of the American Association for the Advancement of Science (AAAS)
Fellow of the European Academy of Sciences (EurASc)
Member of the European Academy of Sciences and Arts

Certain attributes of large-scale complex systems are often expressed through sets of indicators. For example, the flexibility of a manufacturing system, the susceptibility of a society to climate change or the sustainability of an entity, be it a nation, a city, an energy system, a corporation etc., can be effectively represented by indicators and corresponding data series. For such representations to be practical, aggregation methods should be devised that lead to concrete performance measures hierarchically as well as decision making techniques to improve performance.

In this talk such a mathematical aggregation theory will be presented based on certain intuitively appealing postulates. These postulates lay the mathematical foundations of a general theory which leads to a simple model based on shifted geometric means combining basic indicators into an overall index. Shifted geometric means have a number of desirable properties and generalize the commonly used, rather simplistic weighted arithmetic and weighted geometric means. The model is augmented with a sensitivity analysis which pinpoints those indicators with the highest potential of improving performance, thus, providing decision-makers with an important tool to aid policies. An application is shown in detail regarding the sustainability of 161 countries and data up to 2024. Rankings and sensitivity analyses occasionally reveal surprising results such as unexpectedly low rankings of highly developed countries which demonstrate that sometimes development has no robust foundations.

Yannis A. Phillis received his diploma in electrical and mechanical engineering from the National Technical University of Athens, Greece, in 1973 and his Ph.D. from the University of California, Los Angeles (UCLA) in control systems in 1980. He has held academic positions at UCLA, Boston University, Escuela Superior Politecnica de Chimborazo in Ecuador, and the Technical University of Crete, Greece, where he is professor emeritus and was rector for more than 12 years. In 2008 he was Onassis Foundation Senior Visiting Fellow in the US.

He is a recipient of numerous awards from Boston University, the Academy of Athens, and the Municipalities of Chania and Assini, Greece, for his service to society, science, and letters; recipient of a "Lifetime Achievement Award," at the World Automation Congress, Kobe, Japan,

2010; Alumni Achievement Award in Academia from UCLA, 2013; World Automation Congress Medal of Honor, Cancún, Mexico, 2024. He is an award winning poet and novelist in Greece and the US. He is a member of the Greek PEN Club, and Poets and Writers, USA; Fellow of the American Association for the Advancement of Science (AAAS); Fellow of the European Academy of Sciences (EurASc); member of the European Academy of Sciences and Arts (EASA).

Budapest, Hungary
Saturday, 2 August, 2025
11:10-11:50 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

The Role of Thick Data Analytics in Predictive and Precision Medicine

Jinan Fiaidhi

Professor of Computer Science at Lakehead University, Ontario, Canada

Analyzing clinical data differs from other machine learning data analysis as most of the clinical data are relatively small requiring more qualitative techniques to bring focus to the context and then to predict important indicators like the patient risk in developing heart disease. The strength of qualitative analytics lies in data thickness as they can work on small samples and corpuses ("small data"). However, working with thick data analytics requires involving patient characteristics (e.g. socioeconomic status, family background, working conditions, social support, psycho-social characteristics, lifestyle risk factors, age group, gender and social capital) and their weights in a particular clinical practice. Therefore, the role of patient characteristics is not only a dominant factor in thick data analytics but it is also linked to predicting the prognosis of patient cases. This talk will cover variety of Thick Data Analytics techniques that can be used for analyzing clinical data with small training samples including Siamese Neural Networks, Clinical Heuristics, Data Augmentation among other techniques.

Dr. Jinan Fiaidhi has been a full Professor of Computer Science at Lakehead University, Ontario, Canada since late 2001. She was the grad coordinator for the Lakehead University Computer Science MSc program for the period (2009-2018) and the Graduate Coordinator of the PhD program in Biotechnology (2018-2022). She is also an Adjunct Research Professor with the University of Western Ontario. She received her graduate degrees in Computer Science from Essex University (PgD 1983) and Brunel University (PhD, 1986). During the period (1986-2001), Dr. Fiaidhi served at many academic positions (e.g. University of Technology (Asso. Prof and Chairperson), Philadelphia University (Asso. Prof), Applied Science University (Professor), Sultan Qaboos University (Asso. Prof.). Dr. Fiaidhi research is focused on Thick Data Analytics and Collaborative Learning utilizing the emerging technologies (e.g. Conversational AI, Deep Learning, Cloud Computing, Calm Computing, Mobile Learning, Learning Analytics, Social Networking, Crowdsourcing, OpenData, Extreme Automation and Semantic Web). Dr. Fiaidhi current research is supported by the major research granting associations in Canada (e.g. NSERC, MITACS). Dr. Fiaidhi is a Professional Software Engineer of Ontario (PEng), Senior Member of IEEE, member of the British Computer Society (MBCS) and member of the Canadian Information Society (CIPS) holding the designation of ISP. Dr.Fiaidhi is the chair of the IEEE Special Interest Research Group on Big and Thick Data for eHealth with IEEE ComSoc eHealth TC. Dr. Fiaidhi is the founder and the Emeriti Editor in Chief of the International Journal of Extreme Automation and Connectivity in Healthcare (IJEACH).

Budapest, Hungary
Sunday, 3 August, 2025
08:30-09:15 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

Human-AI Collaboration – semiotics and norms for personalised and trustworthy AI

Kecheng Liu

Director of Digital Talent Academy, Henley Business School, University of Reading, UK

AI has become a key driver of productivity and competitiveness for individuals and businesses, offering significant strengths and benefits. However, current AI systems often operate on the assumption that common values and moral principles are universally shared, making AI-generated responses universally applicable. In a business context—particularly in disputes involving multiple stakeholders—this assumption presents challenges. Different parties may pose the same question to AI, each expecting a response that aligns with their own interests and perspectives. This raises critical concerns: Can AI generate answers that are not only legally sound and ethically acceptable but also contextualised and personalised to individual needs? More importantly, how can AI maintain fairness, transparency, and ethical integrity while adapting to diverse perspectives?

This seminar will explore the evolving relationship between humans and AI, particularly in the context of Generative AI (GenAI) and its users. A norm-based framework, grounded in organisational semiotics, will be introduced to address the limitations of existing AI systems. This framework provides guiding principles and mechanisms for automated conflict resolution, particularly in scenarios where legal, ethical, and moral considerations create ambiguity among multiple stakeholders. To illustrate the benefits of a collaborative, norm-based approach, the seminar will present a case study on full self-driving (FSD) vehicles, demonstrating how AI and human users can work together effectively to ensure personalized yet trustworthy decision-making.

Kecheng Liu, a Fellow of the British Computer Society and Senior Fellow of the UK Higher Education Academy, is a Professor of Applied Informatics at the University of Reading and the Director of the Digital Talent Academy at Henley Business School. His research has been widely published, with a remarkable output of over 300 journal and conference papers and 25 books covering topics such as organisational semiotics, business informatics, IT and business strategies and alignment, and intelligent spaces for work and living. Recognised as a global thought leader in organisational semiotics and business informatics, he has played a key role in the International Forum of Organisational Semiotics, serving as its convenor, and has also chaired the International Conference for Informatics and Organisational Semiotics for over two decades. His academic influence extends to supervising and mentoring over 60 PhD students, many of whom have gone on to make substantial contributions in academia and industry worldwide.

Beyond his research and teaching, Professor Liu has held senior leadership and management roles across research projects, academic centres, schools, and universities in both the UK and China, fostering international collaboration and knowledge exchange. His current research interests lie at the intersection of digital

transformation and AI, focusing on organisational semiotics, business ecosystems, digital leadership, AI and digital competences in talent development, and AI-driven solutions for responsible and sustainable organisations.

Budapest, Hungary
Sunday, 3 August, 2025
09:15-10:00 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

Towards Reuse: The Implications of Incentives and Convenience of Reusable Packaging

Jian Chen

Lenovo Chair Professor at Department of Management Science and Engineering, Tsinghua University

Growing environmental awareness is prompting consumers to consider reusable alternatives to disposable packaging, driving firms in the restaurant industry to explore reusable packaging models. In addition to encouraging consumers to use their personal reusable packaging, some firms now offer firm-owned reusable packaging as an alternative reuse option. However, the inconvenience associated with reusable packaging remains a critical barrier to widespread adoption. This paper examines how price incentives and convenience enhancements influence the profitability of reusable packaging models and their impact on consumer reuse adoption.Using a game-theoretical model, analyze the firm is optimal price incentive strategy when consumers choose among different packaging types (disposable, personal reusable, or firm-owned reusable). further examine how enhancing the convenience of reusable packaging impacts firm profitability and consumer reuse adoption. Our key findings are as follows.

First, when a firm introduces its reusable packaging, it may increase (resp. decrease) the price discount for personal reusable packaging if the cost of disposable packaging is low (resp. high), implying a complementary (resp. substitution) effect beten the two strategies. When the substitution effect is significant, it could reduce reusable adoption. Second, while enhancing the convenience of using consumers'personal reusable packaging generally benefits profit, improving the convenience of using firm-owned reusable packaging—even if costless for the firm to implement—may negatively affect the firm's profit. Finally, when a firm decides to offer reusable packaging, enhancing the convenience of either firm-owned or personal reusable packaging may paradoxically reduce reuse adoption, particularly when the cost of firm-owned reusable packaging is high for the firm. Provide operational insights into how profit-driven firms can encourage the use of both firm-owned and personal reusable packaging in the restaurant industry,facilitating the transition to reusable packaging models.

Professor Chen has authored and coauthored 6 books and over 200 articles in high quality journals such as Management Science, Manufacturing and Service Operations Management, Production and Operations Management, Management Information Systems Quarterly, Journal of Operations Management, IEEE Transactions, Systems Engineering-Theory & Practice, Journal of Management Science in China. His citations in Google Scholar are more than 14000 with an h-index of 59. He has been a principal investigator for over 50 grants of National Natural Science Foundation of China, Ministry of Education, Ministry of Science and Technology, governmental organizations and companies. A number of his research reports have been adopted by the People's Bank of China, IBM and other

Keynote Lectures

government departments and enterprises. He has also been invited to present several Keynote/Plenary lectures at International Conferences. His Ph.D. students have accepted faculty positions in leading academic institutes.

Budapest, Hungary
Sunday, 3 August, 2025
10:20-11:05 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

Scanning While Shopping: Assessing the Impact of Mobile Consumer Scanning Technology on Retail Performance

Martin Dresner

Professor, Chair of the Logistics, Business and Public Policy Department, R.H. Smith School of Business, University of Maryland, USA

Mobile Consumer Scanning Technology (MCST) is an application employed by retailers to reduce checkout times, save labor costs, and improve customer service. When employing this application, shoppers use mobile devices, such as cellphones, to scan products as they are picked from shelves and placed into shopping carts. Store-level traffic data and market-level sales data are used to examine the impact of MCST on key performance metrics of a major U.S. retailer, including in-store customer dwell time, average transaction size, and number of customer visits. Our findings reveal that MCST leads to a reduction in in-store customer dwell time, thus providing time savings for shoppers. Moreover, the technology results in increased customer visits, highlighting the attraction of the technology. However, MCST also leads to a decrease in spend per shopping visit (transaction size), as the technology allows customers to track their spending as they shop. Our findings advance the literature on the application of consumer-centric retail technologies, highlighting both theoretical and managerial implications from the implementation of MCST.

Martin Dresner has served on the faculty of the University of Maryland's R.H. Smith School of Business since 1988 where he is Dean's Professor of Supply Chain Management. He has two areas of research, transport policy and supply chain management. Professionally, Dresner is Chair of the Air Transport Research Society (ATRS) and is on the Scientific and Steering Committees of the World Conference of Transport Research Society (WCTRS). He serves Co-Editor of the Journal of the Air Transport Research Society, as Senior Editor for the Journal of Business Logistics, and sits on several other editorial boards.

Budapest, Hungary
Sunday, 3 August, 2025
11:05-11:50 (Local Time)
Central Building K: I. 93 Pécsi Eszter rendezvényterem

Fuzzy Sets on Artificial Intelligence

Muhammet Deveci

Full Professor at the Department of Industrial Engineering in the Turkish Naval Academy, National Defence University, Istanbul, Turkey
Honorary Senior Research Fellow with the Bartlett School of Sustainable Construction, University College London, UK

Fuzzy sets, one of the Artificial Intelligence (AI) tools, are widely used in industrial applications such as control systems engineering, image processing, power engineering, industrial automation, robotics, consumer electronics, language processing and optimization. It is extensively used in modern control systems such as in air conditioners, automobile and vehicle subsystems as automatic transmissions, ABS and cruise control, cameras, elevators, language filters on message boards and chat rooms for filtering out offensive text, animation-based films, pattern recognition in remote sensing, video game artificial intelligence, dishwashers, and washing machine. These are some of the common applications of the Fuzzy Logic. Artificial intelligence theory and applications are based on fuzzy set theory such as fuzzy machine learning, fuzzy deep learning, fuzzy data mining, fuzzy big data analysis, and swarm intelligence. Metaheuristics such as ant colony optimization, artificial bee colony optimization, particle swarm optimization, tabu search, genetic algorithms, and simulated annealing is other modeling techniques based on AI. This talk will discuss the relationship between fuzzy sets and AI and their applications.

Dr. Muhammet Deveci is a Full Professor at the Department of Industrial Engineering in the Turkish Naval Academy, National Defence University, Istanbul, Turkey, and he is Honorary Senior Research Fellow with the Bartlett School of Sustainable Construction, University College London, UK. Dr. Deveci is also a Visiting Professor at Royal School of Mines in the Imperial College London, London, UK. He worked as a Visiting Researcher and Postdoctoral Researcher, in 2014-2015 and 2018–2019, respectively, with the School of Computer Science, University of Nottingham, Nottingham, U.K. Dr Deveci is an outstanding researcher and a prolific author who has been publishing high quality peer-reviewed papers in highly ISI ranked journals and reputable international conferences. Dr. Deveci has published over 340 papers in journals indexed by SCI/SCI-E papers at reputable venues, as well as more than 30 contributions in International Conferences related to his areas. Dr. Deveci received the 100th-anniversary award for his worldwide scientific achievements from the Scientific and Technological Research Council of Turkey (TUBITAK).

Dr Deveci has also been engaged with the wider community providing academic service through chairing/organising conferences, streams, tutorials, reviewing papers, and acting as Editorial Board Member of well-known journals including IEEE Transactions on Fuzzy Sets (IEEE TFS), IEEE Transactions on Intelligent Vehicles (T-IV), IEEE Transactions on Emerging Topics in Computational Intelligence, Information Sciences,

Applied Soft Computing, Engineering Applications of Artificial Intelligence, Artificial Intelligence Review, and more. Additionally, he has strong international links with colleagues carrying out research in the field of his expertise. And he has worked as a guest editor for many international journals such as IEEE Transactions on Fuzzy Systems (TFS), Applied Soft Computing, Annals of Operations Research, Sustainable Energy Technologies and Assessments, Journal of Petroleum Science and Engineering, and International of Journal of Hydrogen Energy (IJHE).

Dr Deveci is an internationally recognized outstanding scientist in intelligent decision support systems underpinned by computational intelligence, particularly uncertainty handling, fuzzy systems, combinatorial optimization, and multicriteria decision making. His research and development activities are multidisciplinary and lie at the interface of Operational Research, Computer Science and Artificial Intelligence Science. Based on the 2020, 2021, 2022 and 2023 publications from Scopus and Stanford University, he is within the world's top 2% scientists in the field of Artificial Intelligence. He has been tackling challenging real-world problems without stripping off their complexities, which include climate change, renewable energy, sustainable transport, and urban mobility.

Special Sessions

Conference Organisers

Beijing Jiaotong University

Beijing Jiaotong University (BJTU) is a national key university directly administered by the Ministry of Education, jointly supported by the Ministry of Education, the Ministry of Transport, the People's Government of Beijing Municipality, and China State Railway Group Co., Ltd. It is an active contributor in China's "211 Project", "985 Innovative Platforms for Strength Disciplines in Engineering" and "Double First-class Project".

BJTU, as one of the three origins of the Jiaotong Universities, traces its history to 1896 when the Qing dynasty government established the Railway Management Institute as the first higher education institution in China, dedicated to cultivating management professionals. It became the cradle of modern railway management and telecommunication education in China. In 1917, it was restructured into Beijing Railway Management School and Beijing Post and Telecommunication School, and in 1921, it merged with Shanghai Industrial College and Tangshan Industrial College to form the National Jiaotong University. After reorganization in 1923, the institution was renamed Beijing Jiaotong University. In 1950, it was designated as Northern Jiaotong University, with its name inscribed by Chairman Mao Zedong and renowned bridge expert Mao Yisheng serving as its president. Renamed Beijing Railway Institute in 1952, it reverted to Northern Jiaotong University in 1970. In 2000, it merged with Beijing Electric Power College and transitioned from the Ministry of Railways to direct administration under the Ministry of Education. The current name, Beijing Jiaotong University, was officially reinstated in 2003.

BJTU has two campuses situated in the renowned education sector of Haidian district, Beijing，the East and the West campuses, covering nearly one thousand acres and have the building floorage of more than 1 million

square meters. Weihai International College of over one thousand acres in Weihai, Shandong Province, distinguishing itself as a special campus dedicated to Chinese-Foreign Cooperation in Running Schools (CFCRS). All campuses equipped with sophisticated teaching and research facilities enjoy beautiful scenery and pleasant campus environment. The university also established the Haibin Rail Transit Comprehensive Research and Development Base in Huanghua, Hebei Province, the world-leading Fengtai Rail Transit 'Industry-Academia-Research-Application' Integrated Innovation Base in Fengtai District, Beijing, and the Tangshan Research Institute of Beijing Jiaotong University in Tangshan, Hebei Province, dedicated to developing a demonstration zone for technology R&D, commercialization of scientific findings, and international education, the Shenzhen Research Institute and the Yangtze River Delta Research Institute contributed significantly to the mining of social resources and to the promotion of talent cultivation and research. The Xiong'an Campus's massive construction has now begun, signaling the start of a new stage in the university's coordinated multi-campus system development.

Over the past 120 years, the university has established a comprehensive and coordinated education system with strength disciplines in information and management, characteristic disciplines in transportation, and other diversified disciplines such as engineering, management, economics, science, liberal arts, law, and philosophy. The university is home to 21 schools, including the School of Automation and Intelligence, School of Electronic and Information Engineering, School of Computer Science and Information Technology, School of Economics and Management, School of Traffic and Transportation, School of Civil Engineering, School of Mechanical, Electronic and Control Engineering, School of Electrical Engineering, School of Mathematics and Statistics, School of Physical Science and Engineering, School of Languages and Communication Studies, School of Software Engineering, School of Marxism, School of Architecture and Design, Law School, School of Environment, School of Systems Science, School of Cyberspace Science Technology, Jeme Tienyow Honors College, National School of Elite Engineers and Weihai International College.

The university boasts robust disciplinary strength with continuous advancement in academic development. The first phase of the "Double First-Class" initiative was completed with exceptional quality, achieving remarkable progress in the "Smart Transportation" discipline. The new phase of "Double First-Class" construction is now being vigorously implemented. In globally recognized disciplinary rankings, the university has steadily ascended: 15 disciplines are listed in the Shanghai Ranking's Global Ranking of Academic Subjects, with Traffic and Transportation Engineering securing the world's top position six times; 17 disciplines are ranked in the U.S. News & World Report Best Global Universities; 12 disciplines feature in the QS World University Rankings by Subject; 24 disciplines are included in the Shanghai Ranking's China Best Disciplines, where Traffic and Transportation Engineering and Systems Science consistently rank first nationally. Additionally, 8 disciplines are within the top 1% of ESI global rankings, with Engineering and Computer Science entering the top 1‰. The university hosts 17 postdoctoral research stations and 1 workstation. It offers 21 first-level doctoral programs, 7 doctoral professional degree categories, 33 first-level master's programs, and 19 master's professional degree categories.

The university prioritizes the development of a high-caliber faculty as the cornerstone for enhancing educational competitiveness, actively implementing a strategy of strengthening the institution through talent advancement. Currently, there are 3,296 full-time employees, including 2,113 dedicated faculty members (1,475 holding associate senior professional titles or higher, and 2,035 possessing master's degrees or above). The academic community comprises 2 Academicians of the Chinese Academy of Sciences, 2 Academicians of the Chinese

Academy of Engineering, 1 Foreign Academician of the Chinese Academy of Engineering, 8 recipients of the National Teaching Master honor, 6 members of the Academic Degree Evaluation Committee under the State Council, 84 scholars recognized through national talent programs, and 2 individuals awarded the "Four Batch" Talent distinction by the Publicity Department.

The university has consistently adhered to the fundamental mission of fostering virtue through education, achieving remarkable results in pedagogical reforms and development, and cultivating vast talent for national and industrial advancement. The institution currently enrolls 3,489 doctoral students, 10,712 master's students, 17,105 undergraduates, 1,867 international students (annual total), and 5,179 adult education students. In recent evaluations of teaching achievements, the university secured 2 national first-class prizes and 7 second-class prizes for undergraduate education, 1 national first-class prize and 1 second-class prize for postgraduate education, and 1 first-class prize along with 2 second-class prizes in the China Academic Degrees and Graduate Education Association's postgraduate education awards. As a pioneer institution selected for the Ministry of Education's "Project 101" pilot program, the university has established a national-level foundational disciplines elite training base in Computer Sciences and a nationally recognized exemplary School of Software Engineering. It boasts 47 national first-class undergraduate programs, 11 national specialty programs, 7 national comprehensive reform pilot programs, and 8 national "Outstanding Engineer Education and Training" programs. Additionally, 13 programs have passed Engineering Education Professional Certification, 3 passed civil engineering and architecture program evaluations, and 3 were designated as innovative international talent training projects under the China Scholarship Council. The university operates 6 national experimental teaching demonstration centers, 3 national virtual simulation teaching centers, 3 national virtual simulation teaching projects, 3 national off-campus practical education bases, 7 national engineering practice education centers, and a national teacher development center. Three postgraduate joint training bases were honored as "National Exemplary Engineering Postgraduate Training Bases." Academic excellence is reflected in 67 national first-class undergraduate courses, 25 national open resource-sharing courses, 6 national open video courses, 4 premier national textbook compilations, and 1 strategic emerging field textbook development team under the 14th Five-Year Plan. The university has implemented 248 industry-academia collaborative education projects, with 3 recognized as exemplary cases. Through initiatives like the "Plateau and Peak" Elite Talent Development Plan and the Jeme Tienyow Honors College's integrated undergraduate-postgraduate training model, the university cultivates leading researchers in foundational disciplines and innovators in strategic fields. Its "To Know and To Do" industry-academia program addresses national priorities by training outstanding engineering talent. Having passed the 2024 first-tier national undergraduate education evaluation, the university maintains a graduate employment rate above 95%, with over 70% of undergraduates pursuing advanced studies. It is among the first institutions designated as a national innovation and entrepreneurship education base, a national model for innovation, and a national exemplary graduate employment institution. Cultural initiatives like the student-performed The Long March Cantata and original drama Mao Yisheng serve as impactful ideological education platforms. The university excels in athletics, with elite and general student teams earning 7 national championships, 7 runner-ups, and 3 third-place finishes in 2024, alongside 38 Beijing municipal championships, 35 second places, and 41 third places.

The university has consistently aligned with the frontiers of technological advancements and major national strategic needs. It has actively participated in landmark events of China's rail transit development, including railway speed-up initiatives, the Qinghai-Xizang Railway construction, the Da-Qin Heavy-haul Railway project, maglev train technology, high-speed rail systems, the Sichuan-Xizang Railway development, and the

independent R&D of core urban rail transit technologies. These efforts have yielded a series of groundbreaking achievements with full independent intellectual property rights and international competitiveness. The university has significantly contributed to advancing transportation, logistics, information technology, new energy sectors, and Beijing's socio-economic development, solidifying its role as a pivotal force in national, industrial, and regional scientific innovation. The university hosts 78 provincial- and ministerial-level research platforms, including 9 national-level entities such as the National Key Laboratory of Advanced Rail Autonomous Operation, the National Engineering Research Center for Rail Transit Operation and Control Systems, National Engineering Research Center for Advanced Mobile Networks，Frontier Science Center for Smart High-Speed Railway Systems，Collaborative Innovation Center for Rail Transit Safety，National High-End Think Tank for Sustainable Transportation Innovation，National Research Center for Railway Safety Assessment，National Base for International Science and Technology Cooperation. Additionally, it manages 69 provincial and ministerial platforms, including Key Laboratories and Engineering Research Centers of the Ministry of Education, Key Laboratory of the Transportation Industry, Laboratory of the Beijing Municipality, Beijing Municipal Engineering Research Center, Capital High-end Think Tank "Beijing Jiaotong University Comprehensive Transportation Development Institute", Beijing Jiaotong University Research Base of the Beijing Research Center for Xi Jinping's Theories on Socialism with Chinese Characteristics for the New Era, Beijing Municipal Research Base for Philosophy and Social Sciences, Beijing Universities Innovation Center for Philosophy and Social Sciences, and Ministry of Education Center for Country and Regional Studies. As a pilot unit for the Ministry of Transport's Transportation Power Initiative and Vice-Chair of the Transport New Think Tank Alliance, the university organizes high-profile forums such as the China Transportation Leaders Forum, the Beijing Transportation Development Forum, and international conferences like LISS and IEIS. The campus-wide gigabit network infrastructure, coupled with comprehensive wired and wireless coverage, supports cutting-edge applications in high-performance computing, big data, AI, and 5G. Teaching and research equipment assets of 1.84 billion yuan. The library holds 17.714 million physical and digital resources, including a specialized transportation database, and operates a Ministry of Education-authorized scientific novelty search station and a national intellectual property information service center.

The university regards enhanced cooperation and exchange as a crucial pathway to elevate its academic standards. In active response to China's Belt and Road Initiative, it has established partnerships with 273 universities and institutions across 52 countries, including the United States, the United Kingdom, Germany, and France. The university actively promotes Chinese culture through initiatives such as the Confucius Institute in Campinas, Brazil. It has spearheaded the creation of the Global Alliance of Universities on Sustainable Transport and joined international organizations including the International Union of Railways, the Organization for Railway Cooperation, and the China-CEEC Higher Education Institutions Consortium. As a leading member of alliances such as the China-Russia Transportation University Presidents' Alliance, the China-ASEAN Rail Transit Education and Training Alliance, and the Alliance of Universities for , the university continues to strengthen its global influence and discourse power in rail transit. The university has advanced international research collaboration by establishing joint high-speed rail research centers with the United States, Russia, the United Kingdom, and Indonesia. Leveraging its alumni associations, foundation, and board of trustees, it has forged strategic partnerships with nearly 400 enterprises in transportation, information technology, energy, and innovation sectors, including 85 board member entities. With 65 alumni branches worldwide, the Beijing Jiaotong University Education Foundation has been recognized as a 4A-level social organization for its exemplary governance.

"Remember the source when drinking water, love thy nation and honor the alma mater." Guided by the motto "To Know and To Do", Beijing Jiaotong University is embracing new missions and forging ahead with a pioneering spirit to establish itself as a world-class institution with distinctive features.

Budapest University of Technology and Economic
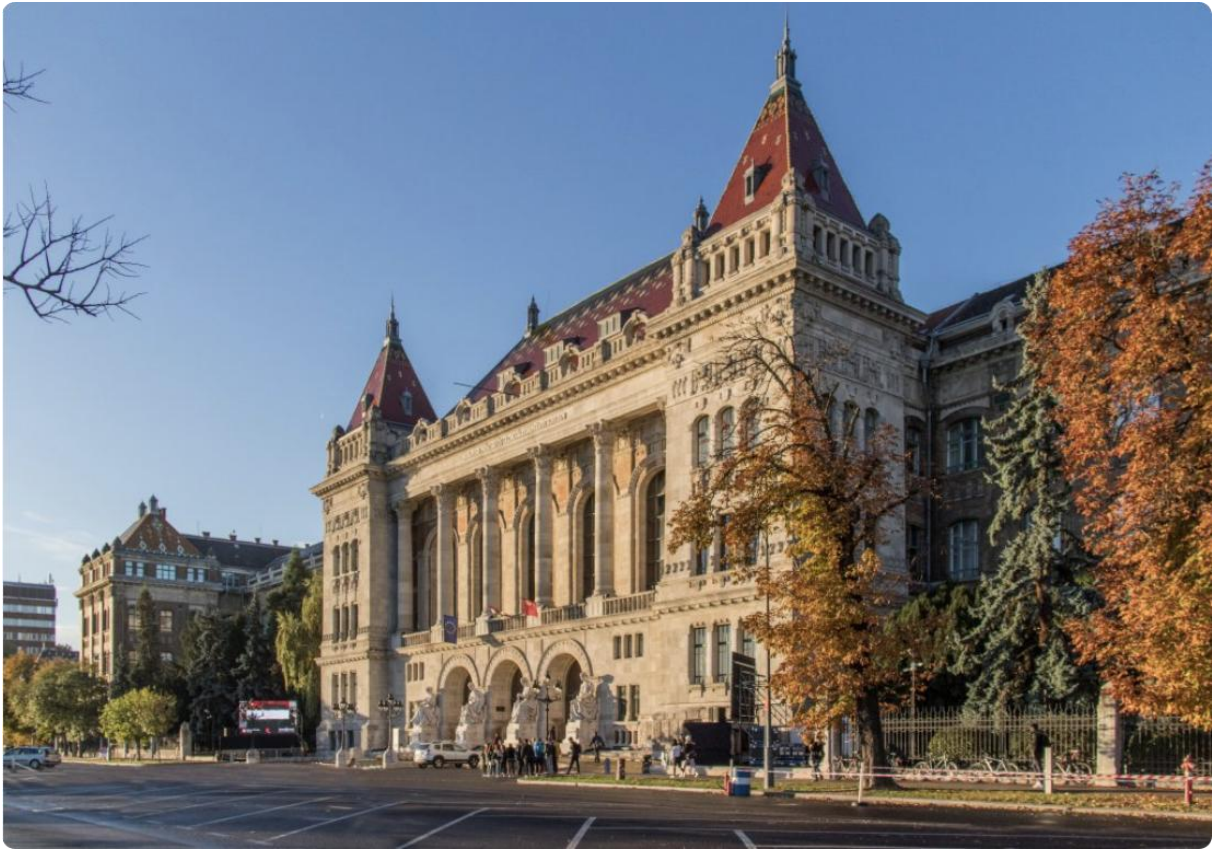
The direct predecessor of the Budapest University of Technology and Economics (BME) is the Institutum Geometrico-Hydrotechnicum, founded in 1782, which was the first institute in Europe to train engineers in university structure. The university's fundamental task is to train professionals in the disciplines of technology, information technology, natural sciences, economics, business and management.

BME's mission, inseparable from training and education, is to conduct scientific research which encompasses the three activities required to make up the innovation chain: fundamental and applied research, technological product and service development, and the application of research findings.

Henley Business School, University of Reading

Founded in 1945, by business for business, Henley was the first business school in the UK and is one of the oldest and most respected schools in Europe.

Our impressive full-service portfolio includes a range of undergraduate degrees and Postgraduate degrees in Accountancy, Business, Management, Finance, Real Estate, Planning, Informatics, and Coaching. We offer a world-class DBA and have a dynamic community of PhD students on postgraduate research degrees. Henley has an impressive track record of growing leaders and developing managers to make the right choices for their organisations and for the society they live in which are delivered through our executive education programme, the Henley Partnership and the Henley MBA.

One of the very few business schools worldwide to hold triple-accredited status from the major UK, European and US awarding bodies (AMBA, EQUIS, AACSB), we are also the world's third largest provider of MBA education and home to the world-ranked Henley MBA.

The School represents the largest unit within the University of Reading, rated among the UK's most research-intensive institutions and ranked among the world's top 200 universities (The Times, 2008).

School of Economics and Management, Beijing Jiaotong University

Beijing Jiaotong University (BJTU) was born with its specialty in railway and developed along with its management disciplines. As early as 1909, the Qing government established Beijing Railway Management Training Institute, the predecessor of BJTU, proclaiming the first institute of higher education that cultivated management talents in the history of China.

The disciplines of economics and management, having started at the very beginning of BJTU, are naturally the most long standing disciplines on campus. Over more than one century, the growths of disciplines have been closely connected to the country's destiny, overlapping endlessly with the university's development, and rising more distinctive through the years of time. In 1996, BJTU integrated School of Economics, Department of Industrial and Construction Management Engineering, and Department of Materials Management Engineering to form School of Economics and Management (SEM). Hence the school has stepped into a new stage growing even stronger. In 2011, SEM was approved by the Ministry of Education as one of the first group of 17 pilot schools. Since 2018, the college has ranked among the top 10 best business schools in the world in Eduniversal. In the past three rounds of discipline evaluations by the Ministry of Education, the three first level disciplines of Applied Economics, Business Administration, and Management Science and Engineering in the college have successively been rated as A-level disciplines, demonstrating strong comprehensive disciplinary strength. In 2021, SEM achieved a remarkable feat by passing the international certifications of EQUIS, AACSB, and AMBA&BGA all at once, becoming the 116th business school in the world, the 13th in Mainland China, and the third in Beijing. Notably, it stands as the first business school in China to secure all three international certifications within a single year, successfully placing itself among the top 1% of business schools worldwide, a

testament to the fact that the school's educational quality has reached an internationally recognized first-class level.

As the earliest institute of higher education that provides business education in modern China, for over a century SEM has cultivated a large number of top talents and management elites. For example, Xu Jing, pioneer of China's railway transportation economics discipline in China, Yang Rumei, one of China's first four accountants, and Zhao Chuanyun, national reputed expert of railway transportation economics, they are all outstanding figures. At present, SEM has more than 5500 students, including more than 500 doctoral students, more than 2500 master students, nearly 2300 undergraduates and nearly 200 international students.

In recent years, the college has been awarded 1 national excellent teaching team, 3 Beijing excellent teaching teams, 1 national-renown teacher, 9 Beijing-renown teachers, 9 national first-class undergraduate specialty construction points, 2 national characteristic specialties, 2 national "comprehensive professional reform pilot project" specialties, 1 key construction specialty in Beijing, and 1 major evaluated by the Ministry of Housing and Urban Rural Development. In 2023, three new majors will be added: Digital Economy, Financial Technology, and Supply Chain Management. In the past three years, the average further education rate of undergraduate students in the college has exceeded 60%, and the employment rate of college graduates in party and government agencies, higher education institutions, research institutions, and leading enterprises in various industries has reached 76%.

Since the establishment of Economics and Management disciplines, the University have gathered a large group of talented scholars and accomplished experts. Zeng Kunhua, founder of the University and the first railway management expert in modern China, Ma Yinchu, famous Chinese Economist and demographer, Hu Liyou, chief professor of Beiping Railway Management School of Chiao Tung University and many other experts have taught here. At present, SEM has nearly 300 members of faculty and staff, with 233 faculty members including 71 professors, 98 associate professors, making it one of the largest colleges in China in terms of faculty size among similar institutions. In the faculty team, there are 1 academician of the CAE Member, 1 counselor of the State Council, 3 members of the discipline review group of the State Council, 8 members of the Higher Education Teaching Steering Committee of the Ministry of Education, and 9 people selected for the national high-level talent project.

After years of development, the School now has four first-class disciplines: Applied Economics, Business Administration, Management Science and Engineering, and Public Management. Among them, Applied Economics, Business Administration and Management Science and Engineering have first-class doctoral programs and postdoctoral mobile stations. In each discipline there are professors who are selected as members of the discipline evaluation group of the State Council. It has one national key discipline industrial economics, three Beijing key disciplines: applied economics, management science and engineering, and enterprise management. It has a national high-end think tank, the Sustainable Transportation Innovation Center. It has three key research bases of philosophy and Social Sciences in Beijing: "Beijing Transportation Development Research Base", "Beijing Industrial Security Research Base", "Beijing Logistics Informatization Research Base", and one Beijing Social Science and Natural Science Collaborative Innovation Research Base "Beijing Humanities Transportation, Scientific Transportation and Green Transportation Research Base" (all four bases are listed in the index of China Think Tank Index (CTTI)), 1 national and regional research center of the Ministry of Education, "Central and Eastern Europe Research Center of Beijing Jiaotong University", 1 Beijing Laboratory

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"National Economic Security Early Warning Project Beijing Laboratory", 1 Beijing Key Laboratory "logistics Management And Technology Laboratory", 1 capital high-end think tank "Beijing Comprehensive Transportation Development Research Institute".

SEM has always been aiming at the needs of national strategy and industrial development, giving full play to the advantages of comprehensive disciplines in the field of economics and management. Through intellectual support, talent guarantee and professional services, the college actively serves the development of national transportation, modern logistics, capital finance, information technology, construction and real estate, tourism and health, and has become an important force to support and lead China's industrial development.

In the past five years, SEM has received an average annual research funding of nearly 100 million yuan, ranking among the top in similar colleges in China. Through key research and development programs, the National Natural Science Funds, the National Social Science Funds, and other platforms, it has provided strong support for major national strategies, major industry needs, and major basic theoretical research. Through channels such as national high-end think tanks, People's Daily internal reference, and the Ministry of Education's university think tank special issue, we provide important think tank services to Beijing, central government departments, and other party and government departments. Many of our articles have been approved by central or local leaders.

As an important part of social service, SEM has long carried out various professional business training including degree education class and course refresher class, enterprise internal training class, high-end development class, staff continuing education and other professional business training. It has established partnership with more than 200 enterprises and institutions, and signed strategic cooperation agreements with more than 100 local governments, enterprises and institutions.

SEM has established over 100 international cooperation programs with globally renowned universities and "Three Crowns" certified business schools, covering various forms of exchange programs such as short-term, 2+2, 3+1+1, joint training programs, degree programs, dual doctoral degree programs, and China Scholarship Council programs. The programs comprehensively cover undergraduate, master's, and doctoral students. In 2013, SEM established an international advisory committee earlier among domestic secondary colleges, focusing on improving the internationalization level of the college's education and governance by learning from the advanced experience of world-class business schools.

Nowadays, SEM takes "contributing business wisdom, cultivating leading talents, and benefiting the economy and society" as its mission, adhering to the values of "knowing the micro, discerning, upholding the Tao, and spreading the fragrance", and is striving towards the goal of "becoming a business school leading China's industrial development"!

International Center for Informatics, Research, Beijing Jiaotong University

The International Center for Informatics Research (ICIR) of Beijing Jiaotong University was jointly founded in March 2009 by Beijing Jiaotong University and University of Reading (UK). Taking talent training, scientific research, serving our society and cultural inheritance as the responsibilities, ICIR is established as a respected international teaching and research base, in information technology, logistics management and other related areas, through international cooperation and communication. International partners of ICIR include Liverpool University, UC Berkeley, The Pennsylvania State University, University of Maryland, Universitat Politècnica de Catalunya. BarcelonaTech, Université Paris VI, University of Macau as well as more than ten other famous universities in the world. Domestically, ICIR has established cooperation with many research institutes such as Development Research Center of the State Council, Academy of China, Xinhua News Agency, etc.

The research areas of ICIR target information management, service science and logistics management and engineering in IT environment. The information management and service science includes topics of information industry theories and policies, E-Business and enterprise informatization, smart space and smart city, cloud computing technologies and applications. The logistics management and engineering includes topics of logistics economy and policies, design and optimization of regional and industrial logistics systems, internet of things (IoT) technology and logistics informatization, logistics planning and architecture design.

The key members of ICIR are Prof. Zhenji Zhang, Prof. Xuewei Li, Prof. Runtong Zhang, Prof. Xianliang Shi, Prof. Shifeng Liu, Prof. Juliang Zhang, Prof. Guowei Hua, Prof. Dan Chang, Prof. Hongjie Lan, Prof. Xiaochun Lu and others, in total 17 full professors and associate professors form China. Prof. Gerhard Wäscher, Prof. James M. Tien, Prof. Kecheng Liu, Prof. Lida Xu, Prof. C. L. Philip Chen, Prof. Martin Dresner, Prof. T. C. Edwin Cheng, Prof. Therese Libourel, Prof. Vicenc Fernandez Alacon, Prof. Zuojun Max Shen, Prof. Yannis A. Phillis, Prof. Jiuh-Biing Sheu, Prof. Tae Hoon OUM as well as other more than 20 professors from overseas.

The platforms of research and international collaborations include
- IEEE Technical Committee on Logistics Informatics and Industrial Security Systems
- Sino-EU Doctoral School for Sustainability Engineering (Program in Logistics, Information, Management and Service Science)
- Beijing Planning Base of Philosophy and Social Science--Beijing Research Base for Logistics and Informatics
- Beijing Key Lab for Logistics Management and Technology
- LISS/IEIS International Conferences
- Over 15 Cooperative SCI/SSCI/EI Journals

Up to now, As the principal investigators, members of ICIR have completed over 120 national and Beijing key projects with funding over 60 million RMB, which include the EU Seventh Framework, EU Erasmus+, Natural Science Foundation of China, Social Science Foundation of China, 973, 863, National Key Technology Research and Development Program and key projects of the Beijing Municipal Social Science Foundation.In addition, ICIR members have published more than 900 papers in authoritative journals and conferences, some of which have been published in the top journals in the field of logistics informatization, such as MS, POMS, OMEGA,

Conference Organisers

EJOR, IJPE and so on. Obtained 50+ national invention patents and 30+ registered software copyrights. Received nearly 20 national-level science and technology progress awards, China Federation of Logistics and Purchasing Science and Technology Progress Award, China Enterprise Management Modernization Innovation Achievement Award, Beijing Science and Technology Progress Award, Beijing Transportation Industry Science and Technology Innovation Achievement Award, etc. Teaching achievements have won 4 second-class national teaching achievements awards, 1 special award, 3 first-class awards and 4 second-class awards for Beijing teaching achievements. Currently there are 67 PhD students, and all the PhD students above the second year have experience of overseas study visits and exchanges.

Department of Humanities and Social Science, Beijing Jiaotong University

Beijing Jiaotong University (BJTU) is a national key university under the direct administration of the Ministry of Education (MOE), jointly supported by the MOE, Ministry of Transport (MOT), Beijing Municipal Government, and China State Railway Group Corporation (CSRC). It is one of the universities included in the national "Project 211" and the "985 Project Innovation Platform for Priority Disciplines," and among the first batch of institutions in China authorized to confer doctoral and master's degrees with a graduate school.

With over a century of development in the humanities and social sciences, BJTU has a profound academic foundation. Its economics and management disciplines, established in 1909, mark it as the first higher education institution in China dedicated to cultivating management professionals. Over the years, the university has nurtured many distinguished alumni who have gained national and international recognition, including Zheng Zhenduo, a modern Chinese writer, literary critic, and historian; Xu Jing, founder of China's railway transportation economics; and Yang Rumei, one of China's earliest "Big Four" accountants. Notably, Xiang Zhenjun, chief prosecutor of the Tokyo Trial, and Ma Yinchu, a renowned economist and demographer, once taught at the university.

BJTU attaches great importance to the development of philosophy and social sciences. With the continued growth of these disciplines, the university has established six liberal arts colleges: the School of Economics and Management, the School of Marxism, the School of Languages and Communication, the School of Architecture and Art, the School of Law, and the Department of Physical Education. In 2004, the university formed the Leading Group for the Development of Philosophy and Social Sciences; in 2006, it established the Office of Humanities and Social Sciences; in 2007, the Humanities and Social Sciences Sub-Committee of the Academic Committee was created; and in 2014, the Division of Humanities and Social Sciences (referred to as "the Division") was officially established to further promote the prosperity of these fields.

Under the leadership of the university's Party Committee and administration, the Division of Humanities and Social Sciences is committed to constructing China's independent knowledge system and enhancing academic originality. It actively promotes the development of the "Three Systems" of philosophy and social sciences, as well as the construction of a new type of think tank with Chinese characteristics. The Division continues to play an increasingly vital role in serving national strategic needs and advancing the university's "Double First-Class" initiative.

As one of the university's key administrative units, the Division of Humanities and Social Sciences is responsible for implementing national policies and regulations in the field of philosophy and social sciences, formulating the university's development plans and research management systems, and overseeing all relevant research projects, high-end think tanks, academic platforms, research outputs, and scholarly exchanges. It also coordinates the construction of key liberal arts research institutes and disciplines, and manages the Journal of Beijing Jiaotong University (Social Sciences Edition). The Division comprises the Office of Humanities and Social Sciences and the Editorial Office of the Journal of Beijing Jiaotong University (Social Sciences Edition).

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Guided by the university motto "Knowing and Doing," the Division remains committed to its foundational mission, providing dedicated service to faculty and students, and striving to build a new-type university think tank with Chinese characteristics and contribute to BJTU's development into a world-class university with distinctive strengths.

National Academy of Economic Security, Beijing Jiaotong University

National Academy of Economic Security（NAES）is a non-profit research institution, focusing on the integrated social scientific research. Based on the 12-year great achievements of China Center for Industrial Security Research, NAES is established to safeguard national economic security under the guidance of constructing "overall National Security", a proposal from Chinese President Xi Jinping.

As an adherer to "rigorousness in academics and strictness in requirements", an academic tradition of Beijing Jiaotong University (BJTU)，NAES serves both as a defender to the supreme strategy of the national security and as a new national high-end think tank that conducts comprehensive and systematic research on major issues to the national economic security and provides visionary and practicable advice for scientific research, industrial practices and national security decisions.

Co-construction Mechanism:

Under the support of BJTU, NAES is constructed on the joint efforts of more than thirty scientific research institutes in university and enterprises, aiming to achieve the synergic innovation by the integration of advantage disciplines resources from all sides involved and work together to build a high-end think tank in the national economic security field.

NAES Council:

To ensure NAES's daily operation and management, a strong leading body, NAES council, has been founded accordingly. Under its leadership, the director accountability system is adopted. A vice national-level scholar-type leader, former Vice Chairman of CPPCC Mr. Qi Xuchun, is currently the head of the Council.

Conference Organisers

Chief Expert System:

To ensure a bellwether's position in predominant disciplines, NAES creates "Chief Scientist" and "Chief Economist" systems. NAES plans to employ ten academicians as chief scientists in cross-disciplinary fields, ten famous economists and counsellors of the State Council as chief economists in research fields of humanities and social sciences.

Ministerial and Provincial Platforms:

NAES has two ministerial provincial platforms: "Beijing Philosophy and Social Sciences Beijing Industrial Security and Development Research Base" and "Beijing Laboratory of National Economic Security Early-warning Engineering".

Research Centers:

With all research proceeding orderly in China Center for Industrial Security Research, NAES strives to set up "Research Center for Credit Rating", "Research Center for China Listed Company Development", "Research Center for Big Data and Cloud Computing", "Research Center for Regional Economic", "Research Center for Economic Security Simulation", "Research Center for Environmental Science and Water Security" and "Research Center for Carbon Capital and New Energy Security", some of which have been established.

Postdoctoral Research Station:

NAES owns an independent postdoctoral station: China Center for Industrial Security Research Postdoctoral Research Station, with an accumulation of 509 postdoctoral researchers.

Talents Cultivation:

NAES adheres to the cultivation idea of "cultivating the brilliant and integrating the high-end", adopting "learning plus practice" and "individual plus platform" innovative master-doctor cultivation models to develop comprehensive innovative management talents. Under the guidance of "integrating the high-end", NAES strives to build a training brand of "BJTU Leaders" and promote the "Post-EMBA" training.

NAES is committed to safeguard the national economic security, conducting innovative research on the theoretical system construction in economic security fields such as, monitoring, prediction, simulation, prewarning and prevention, countermeasures and solutions. NAES targets to gradually become a national security think tank and a new national high-end think tank at last by leading in theories and serving to the decision-making.

General Information

General Information

Registration

Budapest Venue (Local Time): 14:00-17:30, 1st August, 2025, Friday
Location: Building L: F. 4 Tanterem, Budapest University of Technology and Economics
China Venue (Local Time): 14:00-18:00, 1st August, 2025, Friday
Location: SD821, Beijing Jiaotong University

Opening Ceremony

Budapest (Local Time): 08:30-09:00, 2nd August, 2025, Saturday
Location: Central Building K: I. 93 Pécsi Eszter rendezvényterem, Budapest University of Technology and Economics
China (Local Time): 14:30-15:00, 2ndAugust, 2025, Saturday
Location: SD821, Beijing Jiaotong University

Meals

Coffee-breaks will be served to all registered participants.

Budapest (Local Time):
Lunch will be served from 12:00 to 13:30 on August 2, 2025
Lunch will be served from 12:00 to 13:30 on August 3, 2025
Location: Stoczek1 Menza (Budapest, Bertalan Lajos u. 8, 1111)

Welcome Reception will served from 18:00 to 20:00 on August 2, 2025
Location: Karman Club (Budapest, Irinyi József u. 9, 1111)
Banquet will be served from 18:00 to 20:00 on August 3, 2025
Location: Le Bistro - Kitchen & More (Budapest, Kopaszi-gát 4, 1117)

China (Local Time):
Lunch will be served from 13:00 to 14:00 on August 2, 2025
Lunch will be served from 13:00 to 14:00 on August 3, 2025
Location: Hongguoyuan Restaurant

Dinner will be served at 18:00 on August 2, 2025
Dinner will be served at 18:00 on August 3, 2025
Location: Hongguoyuan Restaurant

Rooms Layout

Budapest Venue

1 Traffic Guide of Airport, Stations and the University
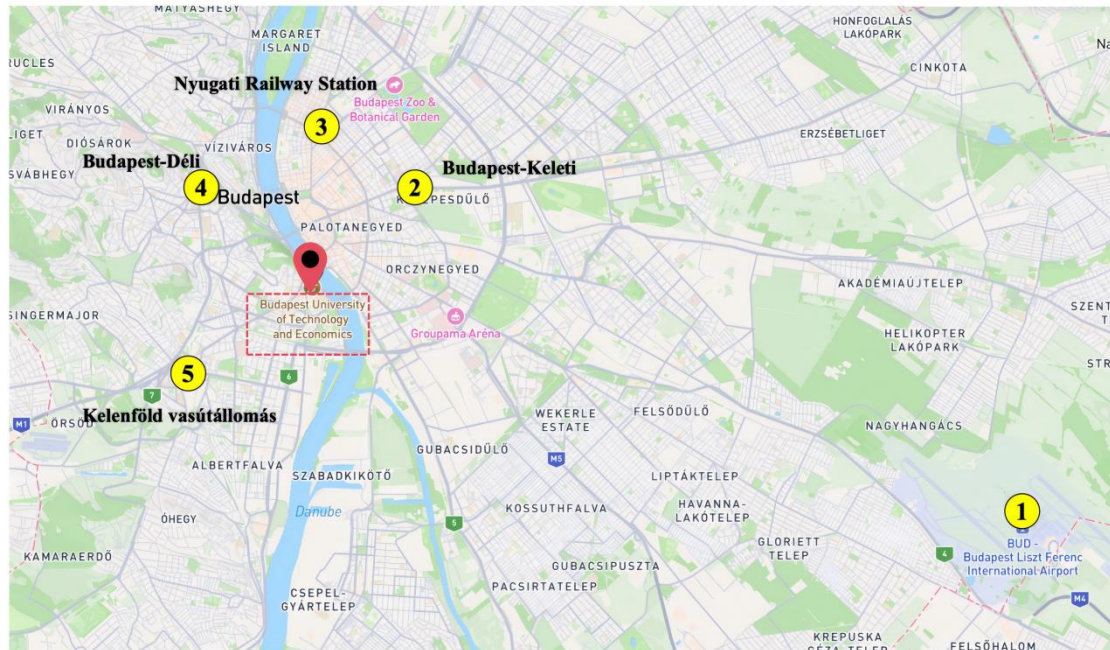
After you arrive in Budapest, you can choose the following way to the meeting place:

1. Budapest Liszt Ferenc International Airport:

- ➢ **Taxi:** Take a taxi to the **Budapest University of Technology and Economics St Building** (about 11,205 HUF).

- ➢ **Bus 100E:** Take the 100E (2200 HUF) airport express bus to Kálvin tér M station. Take the tram 47/49 (450 HUF; Városház tér direction) to Gárdonyi tér and walk 550m (7 mins) to St Building.

- ➢ **Bus 200E:** Take the 200E (450 HUF) bus to Kőbánya-Kispest Metro Station. Take Metro 3 (450 HUF; Újpest-központ direction) to Corvin-negyed, go upstairs, take tram 4/6 to Petőfi híd, budai hídfő (450 HUF, Újbuda-központ M/Móricz Zsigmond körtér M direction), walk 300m (4 mins) to St Building.

2. Budapest-Keleti:

- ➢ **Metro 4:** Get out of the station and go downstairs, take Metro 4 to Szent Gellért tér-Műegyetem (450 HUF), walk 800m (11 mins) to St Building.

- ➢ **Taxi:** Get out of the station and take a taxi to **the Budapest University of Technology and Economics St Building** (about 3795 HUF).

Rooms Layout

3. Nyugati Railway Station:

➢ **Tram 4/6:** Get out of the station and tram 4/6 to Petőfi híd, budai hídfő (450 HUF, Újbuda-központ M/Móricz Zsigmond körtér M direction), walk 300m (4 mins) to St Building.

➢ **Taxi:** Get out of the station and take a taxi to **the Budapest University of Technology and Economics St Building** (about 3,630 HUF).

4. Budapest-Déli:

➢ **Tram 56A:** Get out of the station and take the tram 56A (450 HUF; Krisztina körút ► Móricz Zsigmond körtér M direction) to Gárdonyi tér, walk 550m (7 mins) to St Building.

➢ **Taxi:** Get out of the station and take a taxi to **the Budapest University of Technology and Economics St Building** (about 3,000 HUF).

5. Kelenföld vasútállomás:

➢ **Metro 4:** Get out of the station and take the Metro 4 (450 HUF; Keleti pályaudvar direction) to Szent Gellért tér-Műegyetem (450 HUF), walk 800m (11 mins) to St Building.

➢ **Taxi:** Get out of the station and take a taxi to **the Budapest University of Technology and Economics St Building** (about 3,330 HUF).

Budapest Public Transportation Ticket Guide：

Here's a detailed guide on how to purchase Budapest public transport tickets. You can purchase tickets at purple vending machines like the one shown below, located at metro stations and outside the airport terminal, these machines support multiple languages (Hungarian, English, German) and offer various ticket types.

Ticket Type	Price (HUF)	Validity	Details
24-hour ticket	2500	24 hours	Unlimited travel for 24 hours from validation (requires machine validation)
72-hour ticket	5500	72 hours	Unlimited travel for 72 hours from validation (requires machine validation)
Single ticket	450	Single trip	Valid for one trip on any mode of transport (requires machine validation)
Block of 10 tickets	4000	10 trips	10 separate tickets for individual trips (requires machine validation)
15-day Budapest-pass	5950	15 days	Unlimited travel for 15 consecutive days (no machine validation required)
100E Airport Shuttle	2200	1 trip (city ↔ airport)	Direct shuttle service from city center to Budapest Airport (requires purchase at a purple machine)

⚠ **Important Notes**

- **100E vs. 200E Buses**:

    o The **100E** airport shuttle **requires a separate 100E ticket** (2200 HUF). You **cannot use** regular transport tickets.

    o The **200E** airport bus **accepts all standard public transport tickets**.

- **Ticket Validation**:

    o **Single tickets** and **block tickets must be validated** before use.

    o **24h, 72h, and 15-day passes** are **automatically activated upon purchase** and do **not require validation**.

- **Buying the 100E Ticket**:

    o Use the **purple ticket machines** at the airport.

    o Select **"Airport shuttle bus single ticket 100E"** on the screen.

💡 **Tips for Visitors**

- Keep your ticket or pass with you at all times. **Ticket inspectors may check without notice**.

- Ticket machines accept **cash, bank cards, and contactless payment**.

- If staying in Budapest for multiple days, **passes (24h/72h/15-day)** are more cost-effective and convenient.

2 Location Map of Venue

Administration Block A
Fluid Mechanics Building Ae
Chemistry Building Ch
Mechanical Engineering Building D
Building Construction Laboratory El
Physics Building F
Production Engineering Building G
Informatics Buildings I, Q
Vehicle Engineering Building J
Central Building K
Central Library Kö
Hydraulic Machinery Laboratory L
Mechanics Building Mm/Mg
Mechanical Technology Building Mt
Classrooms R, T, H, E
Electrical Engineering
and Informatics
Buildings St, V1, V2
Nuclear Training Reactor TR

Office of
International Education,
Central Academic Office: R

🔴 **Building K — Conference Venue**
🔵 **Building L — Registration**
🟠 **Stoczek1 Menza**
🟣 **Karman Club**

3 Conference Map of the Venue

Building K

Entrance

I. EMELET
(The **first floor** of Building K)

I. 93 Pécsi Eszter
rendezvényterem

I. 97 Oktatói klub

Building L

ENTRANCE

| | LF 05 | LF 04 | | LF 06 | OFFICE |

F. 4 Tanterem

Lobby

| LF 11 | | LABORATARY | |
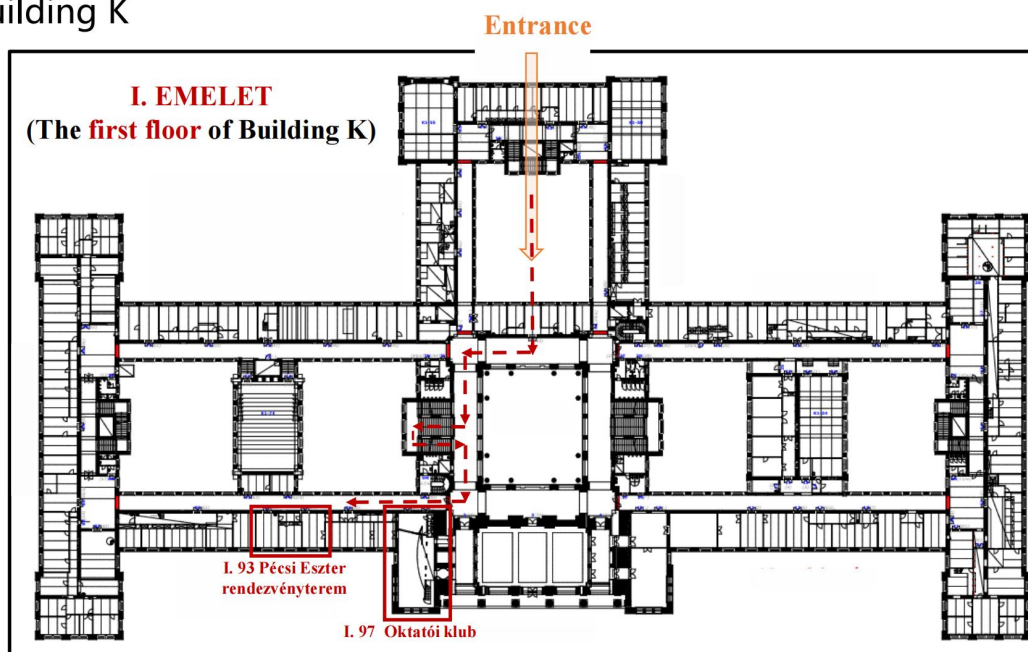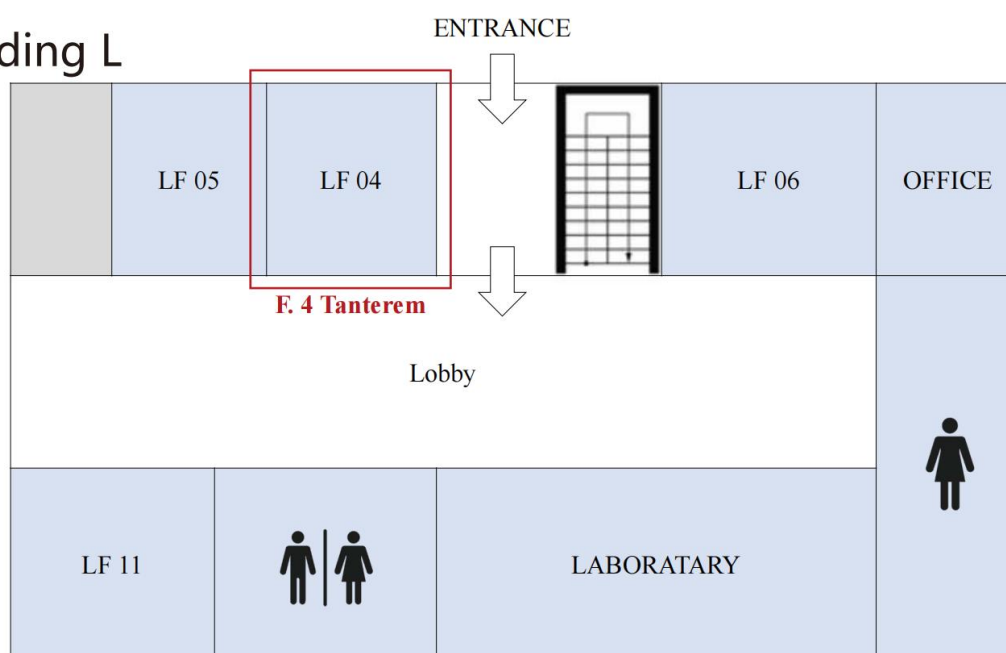
Conference halls are located on the first floor of Building K.

Building L: F. 4 Tanterem – Registration

Central Building K: I. 97 Oktatói klub – Coffee Break / Parallel Sessions

Central Building K: I. 93 Pécsi Eszter rendezvényterem – Opening Session / Keynote
Presentations / Parallel Sessions

Beijing Venue

1 Traffic Guide of Airport, Stations and the University
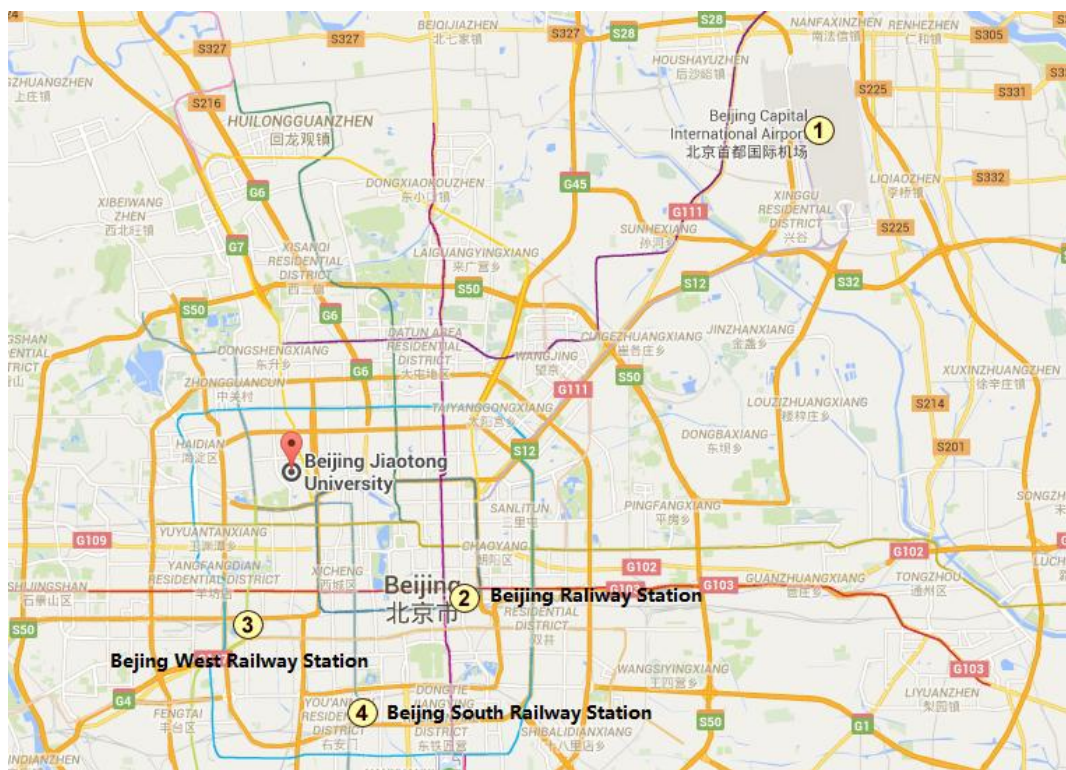
After you arrive in Beijing, you can choose the following way to the meeting place:

1. Beijing Capital International Airport

➢ Airport Express Rail: Take the airport express rail (¥25) to Dongzhimen station, MTR 2nd line (¥4) to Xizhimen station. Getting out from exit A, take bus Nos. 16, 26 to Beijing Jiaotong University Station (¥2), go to the **South Gate of Beijing JiaotongUniversity** on foot.

➢ **Airport Bus:** Take airport bus (Gongzhufen line) to Beijing Friendship Hotel station (¥16). Walk to the Sitongqiao east bus station, take the bus No. 26 to Daliushu station (¥2), then go to **the west gate of Beijing Jiaotong University** on foot.

➢ **Taxi:** Take a taxi to **the South Gate of Beijing Jiaotong University** (about ¥100).

2. Beijing Railway Station

➢ **Subway:** Get out of the station and take the Subway line 2 to Xizhimen Station (¥4). Getting out from exit A, take bus Nos. 16, 26 to Beijing Jiaotong University Station (¥2), then go to the **South Gate of Beijing Jiaotong University** on foot**.**

> ➤ **Taxi:** Get out of the station and take a taxi to **the South Gate of Beijing Jiaotong University** (about ¥45).

3. Beijing West Railway Station

> ➤ **Subway:** Get out of the station and take the subway line 9 to the National Library station, and then transfer to the subway line 4 to Xizhimen Station (¥3). Get out from exit A, take bus Nos. 16, 26 to Beijing Jiaotong University Station (¥2), then go to the **South Gate of Beijing JiaotongUniversity** on foot.

> ➤ **Taxi:** Get out of the station and take a taxi to **the South Gate of Beijing Jiaotong University** (about ¥30).

4. Beijing South Railway Station

> ➤ **Subway:** Get out of the station and take the subway line 4 to Xizhimen Station (¥4). Get out from exit A, take bus Nos. 16, 26 to Beijing Jiaotong University Station (¥2), then go to the **South Gate of Beijing Jiaotong University** on foot.

> ➤ **Taxi:** Get out of the station and take a taxi to **the South Gate of Beijing Jiaotong University** (about ¥40).

2 Location Map of Venue
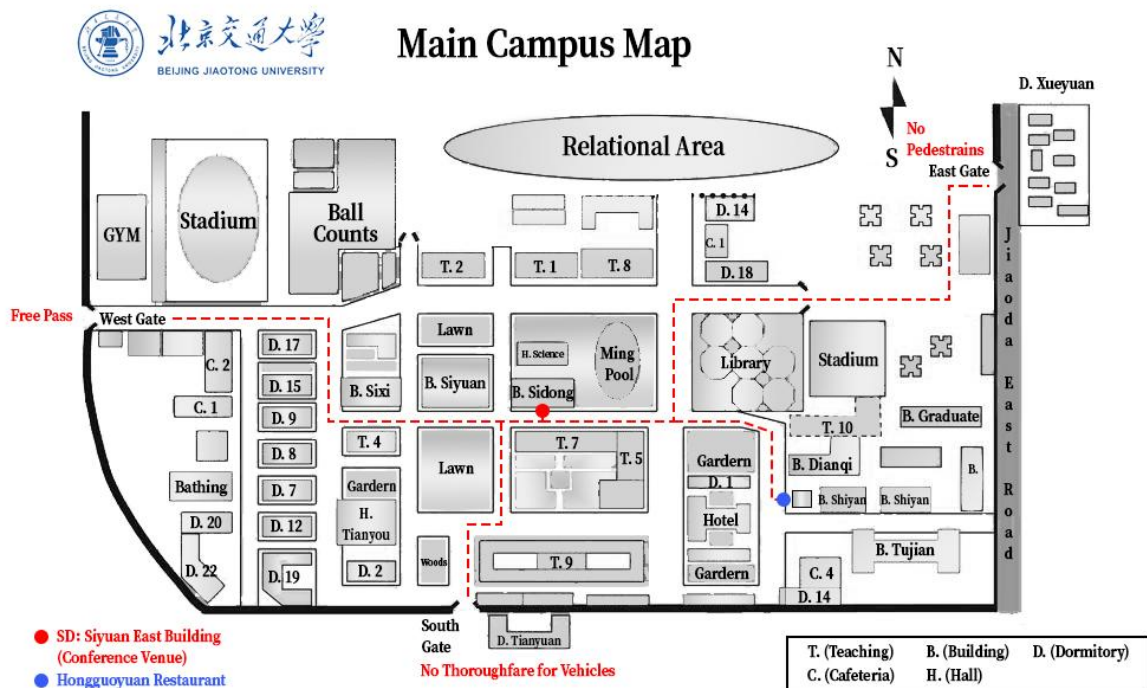
3 Conference Map of the Venue
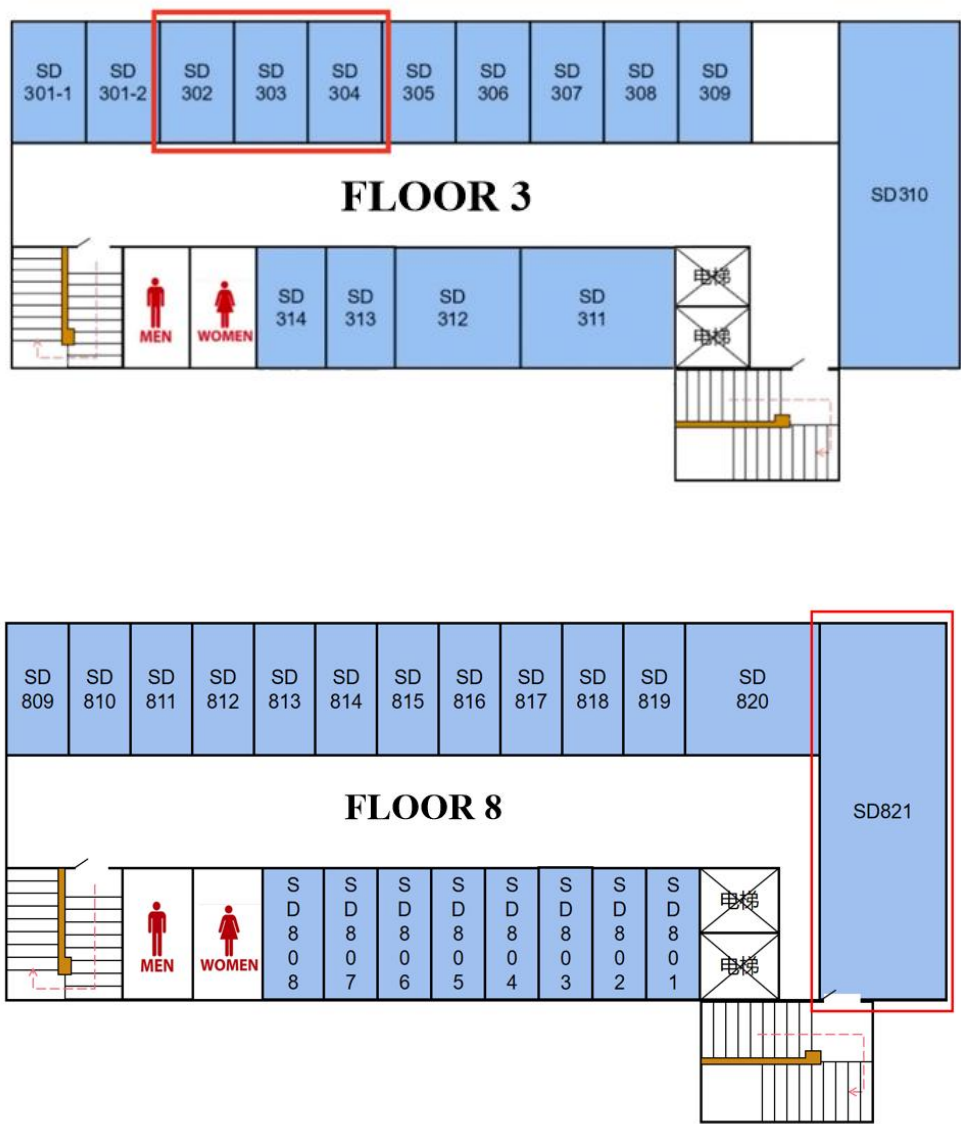
Room SD821 – Opening Session / Keynote Presentations
Room SD302 SD303 SD304 – Parallel Sessions

Program Layout

Budapest Venue (Local Time)

From	To		Location	Chair
		1st Aug, 2025, Friday		
14:00	17:30	Registration	Building L: F. 4 Tanterem	
		2nd Aug, 2025, Saturday		
08:30	09:00	Opening Ceremony	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Gábor Bohács
09:00	09:40	Keynote Speech: A method for generating linkage memory model based on big data global linkage space Speaker: Xuewei Li	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Adam Torok
09:40	10:30	Photo & Coffee Break	Central Building K: I. 97 Oktatói klub	
10:30	11:10	Keynote Speech: On an aggregation theory for indicators expressing behaviors of complex systems with an application to sustainability Speaker: Yannis A. Phillis	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Xuewei Li
11:10	11:50	Keynote Speech: The Role of Thick Data Analytics in Predictive and Precision Medicine Speaker: Jinan Fiaidhi	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Yannis A. Phillis
12:00	13:30	Lunch	Stoczek1 Menza	
13:30	15:30	Parallel Sessions	Central Building K: I. 93 Pécsi Eszter rendezvényterem & 97 Oktatói klub	Sessions Chair
15:30	15:50	Coffee Break	Central Building K: I. 97 Oktatói klub	
15:50	17:50	Parallel Sessions	Central Building K: I. 93 Pécsi Eszter rendezvényterem & 97 Oktatói klub	Sessions Chair
18:00	20:00	Welcome Reception	Karman Club	
		3rd Aug, 2025, Sunday		
08:30	09:15	Keynote Speech: Human-AI Collaboration – semiotics and norms for personalised and trustworthy AI Speaker: Kecheng Liu	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Muhammet Deveci
09:15	10:00	Keynote Speech: Towards Reuse: The Implications of Incentives and Convenience of Reusable Packaging Speaker: Jian Chen	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Kecheng Liu

Program Layout

10:00	10:20	Coffee Break	Central Building K: I. 97 Oktatói klub	
10:20	11:05	Keynote Speech: Scanning While Shopping: Assessing the Impact of Mobile Consumer Scanning Technology on Retail Performance Speaker: Martin Dresner	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Kecheng Liu
11:05	11:50	Keynote Speech: Fuzzy Sets on Artificial Intelligence Speaker: Muhammet Deveci	Central Building K: I. 93 Pécsi Eszter rendezvényterem	Martin Dresner
12:00	13:00	Lunch	Stoczek1 Menza	
13:30	15:30	Parallel Sessions	Central Building K: I. 93 Pécsi Eszter rendezvényterem & 97 Oktatói klub	Sessions Chair
15:30	15:50	Coffee Break	Central Building K: I. 97 Oktatói klub	
15:50	17:50	Parallel Sessions	Central Building K: I. 93 Pécsi Eszter rendezvényterem & 97 Oktatói klub	Sessions Chair
18:00	20:00	Banquet	Le Bistro - Kitchen & More	
4th Aug, 2025, Monday				
09:00	16:00	Social activities	Freeport of Csepel	

Presentation Details of Parallel Sessions

Date	August 2		August 3	
Time	13:30-15:30	15:50-17:50	13:30-15:30	15:50-17:50
Central Building K: I. 93 Pécsi Eszter rendezvényterem	BD-IIM1	BD-LSC1	BD-LSC3	BD-LSC5
Central Building K: I. 97 Oktatói klub	BD-IIM2	BD-LSC2	BD-LSC4	/

IIM: Informatics & Information Management
LSC: Logistics & Supply Chain

Beijing Venue (Local Time)

From	To		Location	Chair
		1st Aug, 2025, Friday		
14:00	18:00	Registration	Room: SD821	
		2nd Aug, 2025, Saturday		
08:30	10:30	Parallel Sessions	Room: SD302 Room: SD303 Room: SD304	Sessions Chair
10:30	10:50	Coffee Break	Room: SD302	
10:50	12:50	Parallel Sessions	Room: SD302 Room: SD303 Room: SD304	Sessions Chair
13:00	14:00	Lunch	Hongguoyuan Restaurant	
14:30	15:00	Opening Ceremony	Room: SD821	Gábor Bohács
15:00	15:40	Keynote Speech: A method for generating linkage memory model based on big data global linkage space Speaker: Xuewei Li	Room: SD821	Adam Torok
15:40	16:30	Photo & Coffee Break	Room: SD821	
16:30	17:10	Keynote Speech: On an aggregation theory for indicators expressing behaviors of complex systems with an application to sustainability Speaker: Yannis A. Phillis	Room: SD821	Xuewei Li
17:10	17:50	Keynote Speech: The Role of Thick Data Analytics in Predictive and Precision Medicine Speaker: Jinan Fiaidhi	Room: SD821	Yannis A. Phillis
18:00	20:00	Welcome Reception	Hongguoyuan Restaurant	
		3rd Aug, 2025, Sunday		
08:30	10:30	Parallel Sessions	Room: SD302 Room: SD303 Room: SD304	Sessions Chair
10:30	10:50	Coffee Break	Room: SD302	
10:50	12:50	Parallel Sessions	Room: SD302 Room: SD303 Room: SD304	Sessions Chair
13:00	14:00	Lunch	Hongguoyuan Restaurant	
14:30	15:15	Keynote Speech: Human-AI Collaboration – semiotics and norms for personalised and trustworthy AI Speaker: Kecheng Liu	Room: SD821	Muhammet Deveci
15:15	16:00	Keynote Speech: Towards Reuse: The Implications of	Room: SD821	Kecheng Liu

		Incentives and Convenience of Reusable Packaging Speaker: Jian Chen		
16:00	16:20	Coffee Break	Room: SD821	
16:20	17:05	Keynote Speech: Scanning While Shopping: Assessing the Impact of Mobile Consumer Scanning Technology on Retail Performance Speaker: Martin Dresner	Room: SD821	Kecheng Liu
17:05	17:50	Keynote Speech: Fuzzy Sets on Artificial Intelligence Speaker: Muhammet Deveci	Room: SD821	Martin Dresner
18:00	20:00	Banquet	Hongguoyuan Restaurant	

Presentation Details of Parallel Sessions

Date	August 2		August 3	
Time	08:30-10:30	10:50-12:50	08:30-10:30	10:50-12:50
Room SD302	BJ-IIM1	/	BJ-LSC3	BJ-SSS1
Room SD303	BJ-IIM2	BJ-LSC1	BJ-LSC4	BJ-SSS2
Room SD304	/	BJ-LSC2	BJ-LSC5	/

IIM: Informatics & Information Management
LSC: Logistics & Supply Chain
SSS: Service Sciences

Final Program

Contents

Hungary Venue (Local Time)

August 2 Sessions

Conference Opening ceremony (08:30 - 09:00)
Chair: Gábor Bohács
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 1 (09:00-09:40)
Title: A method for generating linkage memory model based on big data global linkage space
Speaker: Xuewei Li
Chair: Adam Torok
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 2 (10:30-11:10)
Title: On an aggregation theory for indicators expressing behaviors of complex systems with an application to sustainability
Speaker: Yannis A. Phillis
Chair: Xuewei Li
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 3 (10:30-11:10)
Title: The Role of Thick Data Analytics in Predictive and Precision Medicine
Speaker: Jinan Fiaidhi
Chair: Yannis A. Phillis
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

August 3 Sessions

Plenary Session 1 (08:30-09:15)
Title: Human-AI Collaboration – semiotics and norms for personalised and trustworthy AI
Speaker: Kecheng Liu
Chair: Muhammet Deveci
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 2 (09:15-10:00)
Title: Towards Reuse: The Implications of Incentives and Convenience of Reusable Packaging
Speaker: Jian Chen
Chair: Kecheng Liu
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 3 (10:20-11:05)
Title: Scanning While Shopping: Assessing the Impact of Mobile Consumer Scanning Technology on Retail Performance
Speaker: Martin Dresner
Chair: Kecheng Liu
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Plenary Session 4 (11:05-11:50)
Title: Fuzzy Sets on Artificial Intelligence
Speaker: Muhammet Deveci
Chair: Martin Dresner
Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem

Final Program

Session Schedule

Budapest Venue (Local Time)

August 2, 2025

Parallel Sessions (13:30-15:30)

Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem
BD-IIM1: Budapest-Informatics & Information Management 1
Chair: Nan Hai

- LISS2025_85: LDA-based Construction of Data Industry Security Indicator System from the Perspective of Data Elements
  (*Nan Hai, Chen Li, Quanguo Zhang , Zhenji Zhang, Daqing Gong, Zixuan Dai*)
- LISS2025_21: Capacity matching on shared manufacturing platform considering multi-type order acceptance
  (*Jianfeng Rui, Xumei Zhang, Bin Dan, Duanyang Cao, Shengming Zhang*)
- LISS2025_86: Semiotic Analysis of Human and Artificial Intelligence – Knowing the limitations and building trustworthy AI
  (*Kecheng Liu, Jianwei Bai, Kyriaki Noussia, Chang Wang*)
- LISS2025_8: Emission mitigation strategies in a three-echelon supply chain of equipment manufacturing industry considering internal constraints under carbon cap and trade
  (*Wei Xu*)
- LISS2025_73: Green capacities, green supplier selection and sustainable corporate performance: An analysis of ISO14001-certified manufacturers
  (*Meow-Yee Foo, Hui-Nee AuYong*)
- LISS2025_113: Prediction of Student Performance Using Multi-agent Reinforcement Learning Under the Double Reduction Policy
  (*Tianyang Shao, Chunfang Guo*)

Room: Central Building K: I. 97 Oktatói klub
BD-IIM2: Budapest-Informatics & Information Management 2
Chair: Sabah Mohammed

- LISS2025_175: Fine-Tuned Thick Data Analytics for Inflammatory Bowel Diseases
  (*Jinan Fiaidhi, Sabah Mohammed*)
- LISS2025_5: The impact of time-of-use tariff on peak charging of electric vehicles
  (*Jingjing Li, Yacan Wang*)
- LISS2025_22: Online direct channel introducing and ordering strategies of fresh supply chain considering supply uncertainty under producer competition
  (*Yibao Wang, Bin Dan, Yu Ding, Yuan Sui, Linqing Pu*)
- LISS2025_40: The Trap of Traffic Supremacy: Consumer Motivation and Cross-Platform Effects of AI-Generated Promotional Videos
  (*Ruizhen Song, Saixing Zeng, Xin Gao*)
- LISS2025_117: Causal inference of event logs based on business process mining
  (*Zhongyang Li, Ming Huang, Yuying Cheng, Dongjin Yu, Lili Zeng, Sixuan Wang*)
- LISS2025_168: Incremental Capacity with Free Left-Turn-On-Red under Mixed Traffic Conditions
  (*Sambit Kumar Beura, K. Ramachandra Rao*)

Parallel Sessions (15:50-17:50)

Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem
BD-LSC1: Budapest-Logistics & Supply Chain 1
Chair: Ruoping Yang
- LISS2025_83: Passenger flow Prediction of Beijing Rail Transit Based on Complex Network and MLP
  (*Ruoping Yang, Xiang Xie*)
- LISS2025_95: Spatial Analysis of Carbon Emission Characteristics Based on Urban Public Transit Big Data
  (*Tianlin Li, Tianshi Wang*)
- LISS2025_109: Model design for patent value recognition based on feature fusion and deep learning
  (*Xinyue Li, Haoyuan Kan, Xiang Xie*)
- LISS2025_59: When should the fresh-food retailer embrace near-expired food commercialization?
  (*Zhengwei Lyu, Hongjie Lan, Jie Xu*)
- LISS2025_84: Optimization of Railway Parts Demand Forecasting Model Driven by Data Scarcity: A Comparative Study Based on LSTM and Data Generation Technologies
  (*Dan Chang, Linhao Sun*)
- LISS2025_105: Research on Dynamic Optimization of Resource-Constrained Project Scheduling Problems based on Priority Rules
  (*Yilin Huo, Dan Chang, Hanqi Tang*)

Room: Central Building K: I. 97 Oktatói klub
BD-LSC2: Budapest-Logistics & Supply Chain 2
Chair: Ioannis S. Triantafyllou
- LISS2025_32: A nonparametric monitoring framework based on ranks and multiple runs: advances and applications in logistics and services
  (*Ioannis S. Triantafyllou*)
- LISS2025_33: Development of a Theoretical Model for Robots᾽ Application in Intralogistics
  (*Elias Saadeh, Gábor Bohacs*)
- LISS2025_34: Optimization of production processes using simulation
  (*Gábor Ruzicska, Levente Czégé*)
- LISS2025_42: Port Process Behavior Analysis and Rule Explanations Integrating Contextual Information
  (*Ying Wang, Lei Huang, Xiaomeng He, Seppe vanden Broucke*)
- LISS2025_88: Joint optimization of order and rack assignment in Kiva systems
  (*Xiying Yang, Weisheng Xu*)

August 3, 2025

Parallel Sessions (13:30-15:30)

Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem
BD-LSC3: Budapest-Logistics & Supply Chain 3
Chair: Xiaoqi Li

- LISS2025_48: Data Driven Inventory Control for Chain Stores : A Transfer Learning Approach
  (*Xiaoqi Li, Shaolong Tang*)
- LISS2025_26: UAV-Supported Intralogistics for Companies Operating Large Manufacturing Sites
  (*Stavros T. Ponis, Eleni Aretoulaki, George Plakas, Eleni Gioti*)
- LISS2025_70: Robust Procurement Mechanism Design for New Product with Uncertain Cost Information
  (*Yidan Wang, Juliang Zhang*)
- LISS2025_77: Supply Chain Innovation through Intelligent Transformation: An Empirical Analysis of Drivers and Outcomes
  (*Khaled Saleh Al-Omoush*)
- LISS2025_89: A Two-Stage Distributionally Robust Optimization Model for Emergency Disaster Service Network Design
  (*Yuan Cheng, Zhengxiang Guan, An Ping, Chun Peng*)

Room: Central Building K: I. 97 Oktatói klub
BD-LSC4: Budapest-Logistics & Supply Chain 4
Chair: Lin Liu

- LISS2025_94: Data-Driven Optimization of Hydrogen Station Locations for Freight Transport in Beijing
  (*Lin Liu, Xiaochun Lu*)
- LISS2025_91: Data-Driven Anomaly Detection and Fuel Consumption Prediction for Sanitation Fleets
  (*Wensheng Huang, Runtong Zhang, Xiaomin Zhu*)
- LISS2025_96: The Impact of Enterprise Digital Transformation on Audit Fees from the Perspective of Supply Chain
  (*Xuemeng Guo, Hanzhong Zheng, Lingpeng Kong*)
- LISS2025_103: isk Assessment Model and Empirical Study in industrial chain finance
  (*Zhenwei Kang, Jianming Zhu*)
- LISS2025_104: Robust Optimization for Queuing in Chemical Enterprises' Warehousing
  (*Yapeng Li, Guowei Hua, Xiaoxue Zhou*)

Parallel Sessions (15:50-17:50)

Room: Central Building K: I. 93 Pécsi Eszter rendezvényterem
BD-LSC5: Logistics & Supply Chain 5
Chair: Jie Zhang

- LISS2025_19: Tackling Probabilistic Sales in Live Streaming Channel with Counterfeits
  (*Jie Zhang, Shuang Qin*)
- LISS2025_110: Research on Capacity Optimization Strategies of Railway Network Freight Platforms Based on an Improved Hotelling Model
  (*Xiaoning Zhu*)
- LISS2025_163: Research on the Coordinated Development of the County-Township-Village Logistics Distribution System and Digital Economy in the Chengdu-Chongqing Twin-City Economic Circle
  (*Shengyu He, Mi Zhou*)
- LISS2025_169: Towards Faulty Claim Impact Analysis & Mitigation in Verifiable-Credential-Driven Collaborations
  (*Bertalan Zolt´an P´eter, Imre Kocsis*)
- LISS2025_176: Data-driven Stochastic Vehicle Routing Problems with Deadlines
  (*Shanshan Wang*)
- LISS2025_178: The Influence of China's Transportation Infrastructure on Urban Economic Resilience - Empirical Evidence from China's Highways
  (*Lin Gu*)

Beijing Venue (Local Time)

August 2, 2025

Parallel Sessions (08:30-10:30)

Room: Beijing Jiaotong University SD302
BJ-IIM1: Beijing-Informatics & Information Management 1
Chair: Gao Ruiqi

- LISS2025_24: Prediction of Red Wine Quality Using Ensemble Learning Approach with Feature Engineering
  (*Gao Ruiqi, Zhang Haijun, Xie Yunlong*)
- LISS2025_82: Research on the Digital Rating and Construction Path of Comprehensive Freight Hubs
  (*Xiaowen Wang, Yong Yang, Juan Wang*)
- LISS2025_12: Optimization Study of Electric Vehicle Charging Scheduling Based on Q-Learning
  (*Xueyuan Bai, Chunhua Jin, Yue Sun, Fangqiu Xu, Wenjun Duan*)
- LISS2025_71: Crude Oil Price Forecast Based on Kolmogorov–Arnold Network
  (*Tingting Jiang, Guiling Liao, Zhixue Wu, Li Liao, Hechu Wang*)
- LISS2025_111: Assessment of the International Competitiveness of China's Mobile Phone Industry in the Indian Market and ARIMA Model Forecast
  (*Qishan Zhu, Xuelian He, Shougang Chen, Nan Jiang, Lei Lai*)

Room: Beijing Jiaotong University SD303
BJ-IIM2: Beijing-Informatics & Information Management 2
Chair: Rui Yang

- LISS2025_119: Research Progress of Digital Twin Technology in Mechanical Intelligence Field
  (*Rui Yang, Huijuan Bai, Fangyi Dai, Baolei Gao*)
- LISS2025_114: Analysis of China's Data Classification and Grading Policies from a Policy Instrument Perspective
  (*Mengyao Wu, XinDi Wang*)
- LISS2025_27: Text-Driven New Book Sales Prediction Using GANs
  (*Zhang Haijun, Hou Xinyu, Wu Pengyu, Zhang Yu*)
- LISS2025_60: Evaluating the development of modern iron and steel industry and the improvement of environmental quality by using the fuzzy multiple attribute group decision making approach
  (*Jian Zhang, Yulong Hao, Liang Zhao, Shuang He*)
- LISS2025_165: Research on Sunset Golden Chain: Block Chain Empowered Mechanism for Intelligent Elderly Care

(*Ying Jia, Yuanyuan Mao*)
- LISS2025_166: CASCADE FAILURE ROBUSTNESS STUDY OF LOGISTICS NETWORK IN NEW INTERNATIONAL LAND-SEA TRADE CORRIDOR
  (*Xiangfu Wang, Yao Wei, Huawei Duan*)

Parallel Sessions (10:50-12:50)

Room: Beijing Jiaotong University SD303
BJ-LSC1: Beijing-Logistics & Supply Chain 1
Chair: Xinyu Feng
- LISS2025_61: Research on Optimization of Government-Enterprise Joint Relief Item Reserve with Stochastic Lead Time
  (*Xinyu Feng , Yuwei Zhang , Zhenping Li*)
- LISS2025_3: Digital Finance and Coordinated Regional Economic Development: Evidence from China
  (*Xuerong Yang, Xuan Zhang*)
- LISS2025_4: Pallet Loading Problem with Perfect Contour Constraints
  (*Mingming Li, Junmin Yi*)
- LISS2025_6: Inventory Sharing under Competitive Donation
  (*Zhangwei YU*)
- LISS2025_23: Introduction of Live-streaming Channel with Information Disclosure
  (*JiaJun Zhang, Hui Yang, Fa Wang*)

Room: Beijing Jiaotong University SD304
BJ-LSC2: Beijing-Logistics & Supply Chain 2
Chair: Di Huang
- LISS2025_30: Joint replenishment policies for the one-warehouse multi-retailer system with stochastic demand, batch delivery and service constraints
  (*Lianqun Ouyang, Di Huang*)
- LISS2025_20: Research on the Path Optimization Problem of Vehicle Logistics with Consideration of Load Consolidation
  (*Feng Li, Jiahong Lv, Shaoting Wang, Fang Zhang*)
- LISS2025_31: A Bayesian Network-Driven Framework for Dynamic Supply Chain Resilience Assessment and Risk Prediction: Evidence from Elevator Manufacturing
  (*Suhong Lai, Bin Zuo, Jiezhen Li*)
- LISS2025_43: Research on the Evaluation System of RAMS Analysis Technology for High-Value Railway Ma-terial Suppliers Based on Precedence Diagram Method
  (*Hangfan Dou, Qilan Zhao, Mingqian Sun, Kexin Zhao*)
- LISS2025_44: Research on sales trends and key influencing factors of new energy vehicle brands
  (*Lei Mei, NaTang, Hanqiang Chen, Xinhui Zhou, Liuyang Li*)

August 3, 2025

Parallel Sessions (08:30-10:30)

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  (*Kang Wang, Zhenping Li, Qianqian Han*)

- LISS2025_52: Pollution Routing Problem Optimization Considering Traffic Congestion
  (*Jianing Min, Lijun Lu, Cheng Jin*)

- LISS2025_53: Impacts of Carbon Tariffs on Export Enterprises' Green Production Strategies
  (*Kai Xie, Hongfu Huang , Fan Ye, Pengju Zhu, Sixiong Kou*)

- LISS2025_57: Enhancing Efficiency and Trust: Blockchain's Role in Dual-Channel Fresh Agricultural Supply Chain
  (*Meiqi Hua, Juliang Zhang*)

- LISS2025_58: A Study of Supply Chain Emission Reduction Decisions Considering Manufacturers' Overconfidence and Fairness Concerns under Carbon Trading
  (*Zihui Tang, Jianqin Zhou*)

Room: Beijing Jiaotong University SD303
BJ-LSC4: Beijing-Logistics & Supply Chain 4
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- LISS2025_79: Research on the Tea Export Trade Path of China to Countries along the "Belt and Road" Based on the Gravity Model
  (*Ying Li, Zhuan Xin, Lanying Wang, Siyu Xiang*)

- LISS2025_49: Incentive Mechanism Design of Ride-Hailing Platforms Based on Principal-Agent Theory
  (*Wenjie Wang, Yile Mao, Lei Xie, Yazhou Liu*)

- LISS2025_108: Cross-tool wear prediction based on optimized feature engineering and phase-aware learning
  (*Niu Yongxuan, Wang Hongjun*)

- LISS2025_116: Coordination of Textile Supply Chains under Fashion Obsolescence and Emission Reduction
  (*Liping Sheng, Wenjie Wan*)

- LISS2025_75: Exploring the Impact of Facilitating Conditions on Consumers' Electric Vehicles Purchasing Decisions in Malaysia
  (*Yang Yang, Lei Mei, Qinglan Chen*)

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BJ-LSC5: Beijing-Logistics & Supply Chain 5
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  (*Haidong Liu, Anqiang Huang*)
- LISS2025_170: Analysis of Current Logistics Operations and Improvement Strategies
  (*Yudong Teng*)
- LISS2025_99: Optimal Number of Charging Piles in Mall Parking Lots for Customer Attraction
  (*Xiangyu Zeng, Yitian Bao*)
- LISS2025_72: Research on Optimization Problem of Crop Planting Scheme
  (*Yuwei Zhang, Yushuang Sun, Jiayao Zhu, Zixuan Wang, Xin Li*)
- LISS2025_124: A Sequence-First Optimization Framework for Group-Bay Stowage Planning Problem
  (*Haoyi Han, Yuwei Meng, Rongdong Yu, Ding Lu, Haoyu Tian, Xiaoyan Jia, Zhan Wang*)
- LISS2025_126: Cooperative Pricing Strategies for High-Speed Rail Express under Different Dominant Structures Incorporating Railway freight Subsidy
  (*Mengyao Shen, Jie Xu*)

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  (*Zhao Kexin, Zhao Qilan, Sun Mingqian*)
- LISS2025_18: Research on the Layout and Evolution Trend of China's Computing Power Policy Based on LDA Topic Model
  (*Jiayi Xu, Baoqiang Wang, Yan Meng, Xinya Li, Siqing You*)
- LISS2025_13: Channel Strategy for Enterprise Software Manufacturers in the Presence of Value-Added Agents
  (*Chong Ma, Yangyang Sun, Kui Song*)
- LISS2025_56: How they explain their depression：an exploratory analysis of depressives with different attributions on social media
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  (*Xieyu Chen, Na Tang, Yixing Zhang, Zhongming Yin, Ting Pan*)
- LISS2025_7: Application Research on Enhancing User Experience of Alibaba App through Multimodal NLP and Machine Learning Integration

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Room: Beijing Jiaotong University SD303
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  (*Chongren Bi, Qi Fan, Yun Zhao*)
- LISS2025_120: Prediction of the number of domestic tourists in Beijing based on the grey prediction model
  (*Luhao Zhen, Xiaolan Guan, Ruihua Wang*)
- LISS2025_121: Research on early warning of online public opinion in major emergencies based on AHP
  (*Ruihua Wang, Xiaolan Guan, Luhao Zhen*)
- LISS2025_162: Customer Requirements Classification Method of Kano Model Integrating LDA and BERT: Insights from Online Reviews on AutoHome
  (*Qingliang Meng, Weiming Liu*)
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Zhenwei Kang	LISS2025_103	BD-LSC4	Hangfan Dou	LISS2025_43	BJ-LSC2
Zhongyang Li	LISS2025_117	BD-IIM2	Hanqiang Chen	LISS2025_44	BJ-LSC2
Zixuan Dai	LISS2025_85	BD-IIM1	Haoyi Han	LISS2025_124	BJ-LSC5
Beijing Venue			Haoyu Tian	LISS2025_124	BJ-LSC5
Anqiang Huang	LISS2025_122	BJ-LSC5	Hechu Wang	LISS2025_71	BJ-IIM1
Baolei Gao	LISS2025_119	BJ-IIM2	Hongfu Huang	LISS2025_53	BJ-LSC3
Baoqiang Wang	LISS2025_18	BJ-SSS1	Hou Xinyu	LISS2025_27	BJ-IIM2
Bin Zuo	LISS2025_31	BJ-LSC2	Huawei Duan	LISS2025_166	BJ-IIM2
Cheng Jin	LISS2025_52	BJ-LSC3	Hui Yang	LISS2025_23	BJ-LSC1
Chong Ma	LISS2025_13	BJ-SSS1	Huijuan Bai	LISS2025_119	BJ-IIM2
Chongren Bi	LISS2025_167	BJ-SSS2	Jiahong Lv	LISS2025_20	BJ-LSC2
Chunhua Jin	LISS2025_12	BJ-IIM1	JiaJun Zhang	LISS2025_23	BJ-LSC1
Daqing Gong	LISS2025_56	BJ-SSS1	Jian Zhang	LISS2025_60	BJ-IIM2
Di Huang	LISS2025_30	BJ-LSC2	Jianing Min	LISS2025_52	BJ-LSC3
Ding Lu	LISS2025_124	BJ-LSC5	Jianqin Zhou	LISS2025_58	BJ-LSC3
Fa Wang	LISS2025_23	BJ-LSC1	Jiayao Zhu	LISS2025_72	BJ-IIM1
Fan Ye	LISS2025_53	BJ-LSC3	Jiayi Xu	LISS2025_18	BJ-SSS1
Fang Zhang	LISS2025_20	BJ-LSC2	Jie Xu	LISS2025_126	BJ-LSC5
Fangqiu Xu	LISS2025_12	BJ-IIM1	Jiezhen Li	LISS2025_31	BJ-LSC2
Fangyi Dai	LISS2025_119	BJ-IIM2	Juan Wang	LISS2025_82	BJ-IIM1
Feng Li	LISS2025_20	BJ-LSC2	Juliang Zhang	LISS2025_57	BJ-LSC3

Junmin Yi	LISS2025_4	BJ-LSC1	Mingming Li	LISS2025_4	BJ-LSC1
Kai Xie	LISS2025_53	BJ-LSC3	Mingqian Sun	LISS2025_43	BJ-LSC2
Kang Wang	LISS2025_50	BJ-LSC3	Na Tang	LISS2025_161	BJ-SSS1
Kecheng Liu	LISS2025_164	BJ-SSS2	Na Tang	LISS2025_7	BJ-SSS1
Kexin Zhao	LISS2025_43	BJ-LSC2	Nan Jiang	LISS2025_111	BJ-LSC5
Kui Song	LISS2025_13	BJ-SSS1	NaTang	LISS2025_44	BJ-LSC2
Lanying Wang	LISS2025_79	BJ-LSC4	Niu Yongxuan	LISS2025_108	BJ-LSC4
Lei Lai	LISS2025_111	BJ-LSC5	Pengju Zhu	LISS2025_53	BJ-LSC3
Lei Mei	LISS2025_44	BJ-LSC2	Qi Fan	LISS2025_167	BJ-SSS2
Lei Mei	LISS2025_75	BJ-LSC4	Qianqian Han	LISS2025_50	BJ-LSC3
Lei Mei	LISS2025_7	BJ-SSS1	Qilan Zhao	LISS2025_43	BJ-LSC2
Lei Xie	LISS2025_49	BJ-LSC4	Qinglan Chen	LISS2025_75	BJ-LSC4
Li Liao	LISS2025_71	BJ-IIM1	Qingliang Meng	LISS2025_162	BJ-SSS2
Liang Zhao	LISS2025_60	BJ-IIM2	Qishan Zhu	LISS2025_111	BJ-LSC5
Lianqun Ouyang	LISS2025_30	BJ-LSC2	Rongdong Yu	LISS2025_124	BJ-LSC5
Lijun Lu	LISS2025_52	BJ-LSC3	Rui Yang	LISS2025_119	BJ-IIM2
Ling Lu	LISS2025_7	BJ-SSS1	Ruihua Wang	LISS2025_120	BJ-SSS2
Liping Sheng	LISS2025_116	BJ-LSC4	Ruihua Wang	LISS2025_121	BJ-SSS2
Liuyang Li	LISS2025_44	BJ-LSC2	Ruimian Li	LISS2025_164	BJ-SSS2
Luhao Zhen	LISS2025_120	BJ-SSS2	Shaoting Wang	LISS2025_20	BJ-LSC2
Luhao Zhen	LISS2025_121	BJ-SSS2	Shifeng Liu	LISS2025_56	BJ-SSS1
Meiqi Hua	LISS2025_57	BJ-LSC3	Shougang Chen	LISS2025_111	BJ-LSC5
Mengyao Shen	LISS2025_126	BJ-LSC5	Shuang He	LISS2025_60	BJ-IIM2
Mengyao Wu	LISS2025_114	BJ-IIM2	Siqing You	LISS2025_18	BJ-SSS1

Sixiong Kou	LISS2025_53	BJ-LSC3	Xinya Li	LISS2025_18	BJ-SSS1
Siyu Xiang	LISS2025_79	BJ-LSC4	Xinyu Feng	LISS2025_61	BJ-LSC1
Suhong Lai	LISS2025_31	BJ-LSC2	Xuan Zhang	LISS2025_3	BJ-LSC1
Sun Mingqian	LISS2025_41	BJ-SSS1	Xuefei Zeng	LISS2025_7	BJ-SSS1
Ting Pan	LISS2025_161	BJ-SSS1	Xuelian He	LISS2025_111	BJ-LSC5
Tingting Jiang	LISS2025_71	BJ-IIM1	Xuerong Yang	LISS2025_3	BJ-LSC1
Wang Hongjun	LISS2025_108	BJ-LSC4	Xueyuan Bai	LISS2025_12	BJ-IIM1
Weiming Liu	LISS2025_162	BJ-SSS2	Yan Meng	LISS2025_18	BJ-SSS1
Wenjie Wan	LISS2025_116	BJ-LSC4	Yang Yang	LISS2025_75	BJ-LSC4
Wenjie Wang	LISS2025_49	BJ-LSC4	Yangyang Sun	LISS2025_13	BJ-SSS1
Wenjun Duan	LISS2025_12	BJ-IIM1	Yao Wei	LISS2025_166	BJ-IIM2
Wu Pengyu	LISS2025_27	BJ-IIM2	Yazhou Liu	LISS2025_49	BJ-LSC4
Xiangfu Wang	LISS2025_166	BJ-IIM2	Yile Mao	LISS2025_49	BJ-LSC4
Xiangyu Zeng	LISS2025_99	BJ-LSC5	Ying Jia	LISS2025_165	BJ-IIM2
Xiaolan Guan	LISS2025_120	BJ-SSS2	Ying Li	LISS2025_79	BJ-LSC4
Xiaolan Guan	LISS2025_121	BJ-SSS2	Yitian Bao	LISS2025_99	BJ-LSC5
Xiaowen Wang	LISS2025_82	BJ-IIM1	Yixing Zhang	LISS2025_161	BJ-SSS1
Xiaoyan Jia	LISS2025_124	BJ-LSC5	Yong Yang	LISS2025_82	BJ-IIM1
Xie Yunlong	LISS2025_24	BJ-IIM1	Yuanyuan Mao	LISS2025_165	BJ-IIM2
Xieyu Chen	LISS2025_161	BJ-SSS1	Yudong Teng	LISS2025_170	BJ-LSC5
Xieyu Chen	LISS2025_7	BJ-SSS1	Yue Sun	LISS2025_12	BJ-IIM1
Xin Li	LISS2025_72	BJ-IIM1	Yulong Hao	LISS2025_60	BJ-IIM2
XinDi Wang	LISS2025_114	BJ-IIM2	Yun Zhao	LISS2025_167	BJ-SSS2
Xinhui Zhou	LISS2025_44	BJ-LSC2	Yushuang Sun	LISS2025_72	BJ-IIM1

Yuwei Meng	LISS2025_124	BJ-LSC5
Yuwei Zhang	LISS2025_72	BJ-IIM1
Yuwei Zhang	LISS2025_61	BJ-LSC1
Zhan Wang	LISS2025_124	BJ-LSC5
Zhang Haijun	LISS2025_24	BJ-IIM1
Zhang Haijun	LISS2025_27	BJ-IIM2
Zhang Yu	LISS2025_27	BJ-IIM2
Zhangwei YU	LISS2025_6	BJ-LSC1
Zhao Kexin	LISS2025_41	BJ-SSS1
Zhao Qilan	LISS2025_41	BJ-SSS1
Zhenping Li	LISS2025_61	BJ-LSC1
Zhenping Li	LISS2025_50	BJ-LSC3
Zhixue Wu	LISS2025_71	BJ-IIM1
Zhongming Yin	LISS2025_161	BJ-SSS1
Zhuan Xin	LISS2025_79	BJ-LSC4
Zihui Tang	LISS2025_58	BJ-LSC3
Zixuan Wang	LISS2025_72	BJ-IIM1
Ziyang Zhu	LISS2025_56	BJ-SSS1