

Schedule

Main Forum

○ Date: January 13, 2024

○ Venue: Multimedia Hall, No.7 Building

Time	Topics	Speakers
Part I Opening Ceremony Chair: Prof. WU Jian		
9:00-9:05	Welcome Speech	
9:05-9:25	Annual Academic Report	Prof. WU Jian
9:25-9:40	Awards for Annual Outstanding Academic Achievements	
9:40-9:50	Unveiling Ceremony of Research Center for International Collaborative Education	
Part II Keynote Speech Chair: Prof. WU Jian		
9:50-10:20	A Fine Balancing Act: The Role of Cell Death in Organismal Homeostasis	Prof. Francis Kaming Chan
10:20-10:50	Quantum Dots to Light	Prof. Gehan Amaratunga
10:50-11:20	The Ethical Development of Entrepreneurs	Prof. LUO Weidong
Part III Discussion Chair: Prof. WEN Wu		
11:30-12:10	Theme: International Science and Technology Cooperation	

Session 1: ZJU-UIUC Forum (Engineering⁺)

Theme: Explore the Academic Frontiers and Practices of Engineering

Introduction: The ZJU-UIUC Forum is committed to exploring the Frontier Challenges in Engineering, including Smart City, Engineering Sciences for Devices and Applied Materials, as well as Information and Data Sciences. Based on the active cooperation of Zhejiang University-University of Illinois Urbana-Champaign Institute and partners, the forum will collaborate with the industry to review the important scientific research achievements of ZJUI in 2023 and showcase the innovations and practices of newly recruited PIs in the engineering field. The forum aims to promote academic exchanges, facilitate interdisciplinary and cross-domain cooperation, and jointly create a better future.

○ Chairs: Prof. Hongwei WANG

○ Date: January 13, 2024

○ Venue: West Hall, 1C Building

Time	Topic	Speaker
13:30-13:35	Opening Remarks	Prof. Der-Horng LEE
13:35-13:45	2023 Academic Annual Report of ZJUI	Prof. Hongwei WANG
13:45-13:50	Decans Scholarship Award Ceremony	Award Presenter: Xiaobo XU
13:50-14:20	Smart Cities and Urban Intelligent Transportation Systems-Research and Practices from SUPCON	Prof. Yong-Yao YANG
14:20-14:50	Rotating Source Imaging for Fan Blade Noise Control	Prof. Ning CHU
14:50-15:15	QCM-SGM+: Improved Quantized Compressed Sensing with Score-Based Generative Models	Prof. Xiangming MENG
15:15-15:35	Tea Break, Poster Session	
15:35-16:00	Abnormal Thermal Transport Phenomena in Hybrid Perovskites	Prof. Wee-liat ONG
16:00-16:25	Machine Learning Over-the-Air: Two Tales of Interference	Prof. Howard H. YANG
16:25-16:40	Reliability Engineering in the Era of Big Data	Prof. Piao CHEN
16:40-16:55	AIoT Security - From Simple Attacks to Ample Attacks	Prof. Yushi CHENG
16:55-17:10	Effective Multimodal Algorithms for Human Behavior Understanding	Prof. Bruce X.B. YU
17:10-17:20	Best Poster Award	Award Presenter: Prof. Hao MA
17:20-17:25	Closing Remarks	Prof. Der-Horng LEE

Session 2: 2023 ZIBS Young Scholars Forum & Third Global Dean's Forum



[Live Photos](#)



[Live Stream](#)

Theme: Innovating for Future: The Frontier in Business Excellence

Amidst rapid changes in the global technological and business landscape, embracing innovative and sustainable development as its core, adopting diversified and global business strategies, signifies a forward-thinking approach to business evolution. This mindset guides enterprises towards success, shaping the future direction and values of business. ZIBS actively constructs a platform for sharing forward-thinking ideas and successful experiences, blending cutting-edge academia with business practices, to cultivate outstanding business leaders, innovators with a global perspective and business acumen. Based in China and with a global focus, ZIBS aims to build a technology-focused premier global business school from China.

The 2023 ZIBS Annual Academic Forum "Innovating for Future: The Frontier in Business Excellence" is going to take place on January 13, at 13:30-18:00 (Beijing Time). Scholars and deans from world prestigious business schools gather together to actively explore distinctive insights and strategies to the sustainable development of the global business, technology, and education sectors.

Focusing on the latest research findings, innovative discoveries, and practical experiences at the forefront of business development, the topics mainly include data intelligence, environmental science, financial technology, digital innovation, and corporate reform. The forum also invites young scholars to share their interdisciplinary perspectives and insights on the future of education for sustainability.

○ Date: January 13, 2024

[Learn more:](#)

○ Venue: Multimedia Hall, No.7 Building

<https://zibs.zju.edu.cn/eng/overview/introduction.html>

Time	Topic	Speaker
13:30-13:35	Opening Speech	WEI Binru, ZIBS Assistant Professor
13:35-13:45	Welcome Speech	BEN Shenglin, Dean of ZIBS
Part I Young Scholars Forum		
13:45-13:55	How Economics and Business Lead High-Tech Industry?	CHEN Xiaohua, ZIBS Assistant Professor
13:55-14:05	Infrastructure and Economic Growth- Agent Based Modeling Approach	WEI Binru, ZIBS Assistant Professor

14:05-14:15	TriD-MAE: A Generic Pre-trained Model for Multivariate Time Series with Missing Values	LI Chao, Haina Research Scientist
14:15-14:25	Frugality, Regional Development and Digital Innovations : Gleaning Insights from China and India	Sheikh Fayaz Ahmad, ZIBS Assistant Professor
14:25-14:35	Human Capital Effects in the Job Search Process for New Labor Market Entrants: A Double-Edged Sword?	Jomel Ng, ZIBS Assistant Professor
14:35-15:55	Valuation of Green Innovation: Worldwide Evidence	BAO Yangming, Assistant Professor of ISEM, Capital University of Economics and Business
15:55-15:15	Fighting for Survival: How Can Digital Platform Firms Gain Legitimacy in New Markets	Godofredo Ramizo Jr., Presidential Postdoctoral Fellow and Principal Investigator, Nanyang Business School (NBS), Nanyang Technological University
Part II University-industry Collaboration and Commercialization		
15:15-15:25	Internationalization Index of Chinese Private Multinationals	WAN Feng, ZIBS Associate Professor
15:25-15:35	A Report on the Innovation and Development of "Little Giants" Listed Enterprises 2023	LEI Linan, ZIBS Assistant Professor
15:35-15:45	Global FinTech Hub Report 2023	LUO Dan, Lecturer, Alibaba Business School, Hangzhou Normal University
15:45-16:00	Break	

Part III Global Deans' Forum

16:00-18:00	The Future of Education for Sustainability	<p>Moderator Jia Jia Lim, ZIBS Assistant Professor</p> <p>Video Antonio Batista da Silva Junior, Dean of Fundação Dom Cabral</p> <p>Online</p> <ul style="list-style-type: none"> • BEN Shenglin, Dean of ZIBS • Rishiksha Krishnan, Director, Indian Institute of Management Bangalore • Léon Laulusa, Executive President and Dean of ESCP Business School • Dan LeClair, CEO of Global Business School Network • Kenneth Mcphail, Head of Alliance Manchester Business School • Giuliano Noci, Vice-Rector for China of Politecnico di Milano • Danica Purg, President of IEDC-Bled School of Management, Slovenia, and President of CEEMAN, the International Association for Management Development in Dynamic Societies • Steven Roberts, Dean of the College of Business and Economics, The Australian National University • José Manuel Martínez Sierra, General Director and Provost of the UPF Barcelona School of Management • Eleanor Shaw, Head of the University of Glasgow Adam Smith Business School <p>*Sorted by Last Name</p>
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Session 3: Forum of National Key Laboratory of Bio-based Transportation Fuel Technology

Introduction: The National Key Laboratory of Bio-based Transportation Fuel Technology was approved in March 2023. It is a frontier-technology research laboratory in the field of bioenergy and materials. The laboratory is dedicated to meeting the major strategic requirements of national energy security and dual-carbon goals (to achieve carbon peaking and carbon neutrality), focusing on addressing key scientific and technological issues related to bio-based liquid transportation fuels. The research tasks include the upgrading and iteration of cellulose-based ethanol technology and industrialization (Task One), the frontier technology development and application of bio alcohol-based aviation fuel/diesel (Task Two), the industrialization of CO₂-based polycarbonates technology (Task Three), and the evaluation methods and standards for bio-based transportation fuel technology (Task Four). These researches aim to provide technological support for national energy security, independence, and the leadership in the frontier technologies of bio-based transportation fuels.

- Chairs: Prof. ZHANG Xinghong
- Date: January 13, 2024
- Venue: No.4 Hall of Faculty Club

Time	Topic	Speaker
14:00-14:20	Introduction	Prof. LI Hanying
14:20-14:45	Industrialisation of carbon dioxide-based copolymers	Prof. ZHANG Xinghong
14:45-15:10	Research and Prospect of High Value Utilisation of Biomass	Prof. LI Zhenglong
15:10-15:35	Yeast genomics and genetic breeding	Prof. ZHENG Daoqiong
15:35-16:00	Structural Vibration Testing and Uncertainty Analysis	Dr. LI Binbin
16:00-16:25	m6A-mediated regulation of human embryonic stem cells	Dr. CHEN Di
16:25-16:50	Progress in research on high value utilisation of cellulose	Dr. ZHANG Ximing
16:50-17:30	Discussion on the future development of national key laboratories	

Session 4: Information Electronics Forum

Introduction: Information electronics is the cornerstone of modern society. It mainly covers scientific research and engineering implementation of new materials, advanced devices, applied circuits and systems, and intelligent algorithms using electronics as information carriers. This session will share presentations on topics such as flexible electronics, hydrogel, micro/nano devices, thermoelectric multiphysics field, electromagnetic metasurface.

○ Chairs: Dr.JIN Hao

○ Date: January14, 2024

○ Venue: Lecture Theatre West 201

Time	Topic	Speaker
14:00-14:05	Opening	Prof. Hao Jin
14:05-14:30	Development of Intelligent Bioelectronics System	Dr. Mengwei Liu
14:30-14:50	Laser-driven non-contact bubble transfer printing via a hydrogel composite stamp	Dr. Shun Zhang
14:50-15:10	Tribo-Positive Flexible-Polymer Nanogenerators Exhibiting Elevated Surface Potential for Enhanced ultrahigh-charge density	Dr. Muhammad Naeem Shah
15:10-15:30	Nonreciprocal thermal metamaterials	Ran Ju
15:30-15:50	Hybrid surface waves in twisted anisotropic hetero-metasurfaces	Dr. Xinyan Zhang
15:50-16:10	Design and Performance of Multifunctional Metamaterial Structures	Dr. Xiaochang Xing
16:10-16:30	Integrated sensor based on acoustics-electricity-mechanics coupling effect for wireless passive gas detection	Dr. Licheng Zhou
16:30-16:50	Off-resonance Spin-locked Metasurfaces Based on BIC for Optical Analog Computing	Haochen Yang
16:50-17:10	Energy-Efficient Integrated Photonic Topological Devices	Zijian Zhang

Session 5: 2023 Postdoctoral Academic Forum

Introduction: The "Chaoyong" Postdoctoral Forum is an academic platform that brings together outstanding postdocs from various fields, aiming to promote academic cooperation and scientific innovation. With the theme of "Diversity, Integration, Cross-disciplinarity, and Innovation", the forum emphasizes the interdisciplinarity and convergence of the International Campus, showcasing the style of outstanding young scholars, jointly discussing cutting-edge academic issues, sharing research experience, and promoting cross-disciplinary integration and collaborative innovation between different disciplines.

- Host: CHEN Ye
- Date: January 14, 2024
- Venue: Multimedia Hall

Time	Topic		Speaker
9:00 -9:15	Welcome Address		Prof. LI Hanying International Campus, Zhejiang University
9:15 -9:30	Speech	Academic Path: A Systematic Thinking	Prof. WANG Hongwei ZJU-UIUC Institute
9:30 -9:45		Discovering the Fun of Scientific Research	Prof. DI Dawei College of Optical Science and Engineering, Zhejiang University
9:45 -10:00	Poster Exhibition		
10:00 -11:20	Postdoctoral Researchers' Forum	Stage and Location-Specific Cartilage Calcification in Osteoarthritis Development	Dr. WANG Xiaozhao
		Enhanced Transport Kinetics of Electrochromic Devices by W18O49 NW/Ti3C2Tx composite films	Dr. Muhammad Hassan
		Entrepreneurial Orientation and Knowledge Transfer Effectiveness: The Effect of Organizational Commercial Slack	Dr. LIANG Tian
		Toward Efficient Separation: Interfacial Polymerization at the Alkane-Ionic Liquid Interface for Advanced Membrane Synthesis	Dr. LIU Chang
		The Roles of Metal Oxidation States in Perovskite Semiconductors	Dr. TANG Weidong
		Defining and dissecting mitochondrial specific stress signalling pathways in plants	Dr. HE Cunman
		Tribo-Positive Flexible-Polymer Nanogenerators Exhibiting Elevated Surface Potential for Enhanced ultrahigh-charge density	Dr. Muhammad Naeem Shah
11:20 -11:30	Closing Remarks		

Session 6: Medical AI Innovation Forum

Theme: Intelligence-Data Integration: Charting the Course for the Future of Medicine

Introduction: The application and practice of medical big data are driving unprecedented changes in the medical industry. This conference, with the theme of "Wisdom Integration, Data Interconnection, and Co-creation of the Medical Future", aims to gather industry experts to jointly explore how to use big data technology to innovate medical service models and improve medical quality and efficiency.

The conference will focus on in-depth discussions of the analysis and application of medical big data, sharing the latest research results, technological breakthroughs, and practical experiences in the field of medical big data. Participants will have the opportunity to gain insights into how big data technology can be used in practices such as disease prediction, precise diagnosis, personalized treatment, and how to address the challenges and opportunities brought by medical big data.

We believe that through this conference, we will be able to spark new thinking, promote innovation and practice in medical big data. We sincerely invite you to attend this conference and jointly explore and witness the future development of medicine.

- Chairs: Adj. Prof Fuli Wu
- Date: January 14, 2024
- Venue: 1F Lecture Theatre East

Time	Topic	Speaker
Part I Welcome Speech		
9:00-9:15	Welcome Speech	
9:15-9:20	Group Photo	
Part II Keynote Speech		
9:20-9:40	The Examination of Generative AI in Medical Imaging	Prof. Kevin Zhou, Executive Dean of the School of Biomedical Engineering, University of Science and Technology of China
9:40-10:00	Intelligent Imaging Genomics and Cancer Diagnosis Prognosis	Prof. Daoqiang Zhang, Nanjing University of Aeronautics and Astronautics
10:00-10:20	Multimodal Medical Data Intelligent Analysis	Prof. Huiying Liang, Director of the Medical Big Data Center of Guangdong Academy of Medical Sciences
10:20-10:40	A Brief Discussion on the Basic Model of Ultrasonic Imaging	Prof. Dong Ni, Deputy Dean of School of Biomedical Engineering, Shenzhen University
10:40-11:00	Intelligent Learning for Small-Sample Medical Imaging - From Pretraining to Large Models	Prof. Yong Xia, Northwestern Polytechnical University

Part III Academy Activities

11:00-11:15	Report	Jian Wu, Vice Dean of International Campus, Zhejiang University
11:15-11:35	Report	Feng Guo, Deputy Director, Critical Care Medicine, Sir Run Run Shaw Hospital, Zhejiang University
11:35-12:00	The change of the board of directors of Zhejiang Medical Data Industry Research Association	



Session 7: Young Scholars Forum

Introduction: Combining the construction of the international collaborative education model, we aim to create a world-class ecosystem for innovation and entrepreneurship, fostering the convergence of science, education, and industry. This forum will attract young scientists and entrepreneurs to gather at the International Campus, showcasing their talents, sharing insights, engaging in intellectual collisions, and fostering cooperative partnerships. The goal is to enhance the new momentum for innovation and development.

Harnessing the vibrant thinking and strong creativity of young scientists, the forum seeks to demonstrate the youthful ability and vigor for innovation, competing in pioneering efforts and advantages in the 'new.' Participants will strive to be pioneers in exploring new fields, creating innovative business formats, and pioneering new models. This initiative aligns with the emerging trends, new tasks, and requirements of the demonstration city for the integrated development of science, education, and industry, contributing to the high-quality development of the city.

○ Chairs: Dr.WEI Binru

○ Date: January14, 2024

○ Venue: No.4 Hall of Faculty Club

Time	Session	Guest
13:30-13:35	Opening Ceremony	Host: Dr.WEI Binru, Assistant Professor, ZIBS
13:35-13:45	Address	Prof. WU Jian, Vice Dean of International Campus, ZJU; NI Shengqi, Secretary of the party committee of Haining International Collaborative Education Development Office
13:45-14:00	Reflections and Practices from the Lab to the Marketplace	Prof. XU Chao, Dean of Huzhou Institute of ZJU
14:00-14:15	Bio-3D printing: from basic research to industrial translation	Prof. HE Yong, School of Mechanical Engineering of ZJU
14:15-14:30	Scientist Entrepreneurship in the Eyes of Investors	HUANG Liming, Deshi Investment
14:30-14:45	Building a Network of High-capacity Science and Innovation Platform Carriers of ZJU -Connection and Development	LI Zhuona, Director of ZJU Science Park, Jiaxing
14:45-14:50	Signing Ceremony	



14:50-15:02	Human Repair Technology - Minimally Invasive Surgical Instruments for Musculoskeletal System	Dr. ZHANG Jie
15:02-15:14	Automation of Automotive Power Components - Domestic Alternatives	Dr. CUI Jiahuan
15:14-15:26	EquityGPT	Dr. SHAO Hui
15:26-15:38	Smart Cruise Energy Management System in Low-Carbon Green Parks	Dr. DIAO Ruisheng
15:38-15:50	Multi-Scale Near-Infrared II Fluorescence Navigation System	Prof. QIAN Jun
15:50-16:02	perception, understanding, and decision in the wild	Dr. WANG Gaoang
16:12-16:24	High-Performance, Highly Flexible Organic Transistor Circuits for Medical Sensing Applications	Dr. PENG Boyu
16:24-16:36	Economical and Reliable Friction Tester Industrialization for Advanced Material Development	Dr. Oleksiy Penkov
16:36-16:48	Integrated Spectral Chip for Material Identification	Dr. WU Shaoxiong
16:48-17:00	Atomic Force Microscope for Chip and New Material Testing - From Domestic Replacement to Beyond	Dr. HU Huan
17:00-17:30	Theme: Challenges and Opportunities for Young Scientists in Entrepreneurship	Host: Dr. HU Huan
17:30-17:35	Signing Ceremony	Representative for Signing to be determined
17:35-17:45	Awards Ceremony	
17:45-20:30	Face-to-Face Interaction Between Young Entrepreneurs and Young Scientists	(WeLounge, International Business School)