IEEE FIT Fukuoka Institute of Technology 福岡工業大学 IEEE COMPUTER SOCIETY | IEEE CISOSE | IEEE INTERNATIONAL CONGRESS ON INTELLIGENT AND SERVICE-ORIENTED SYSTEMS ENGINEERING | IEEE FTS IEEE FUTURE TECHNOLOGY SUMMIT

IEEE CISOSE 2026

IEEE International Congress on
Intelligent and Service-Oriented Systems Engineering

Co-located with

IEEE FTS 2026

IEEE Future Technology Summit
AI in Vertical Applications: From Chips to Models to Real-World Deployment



JULY 27-30,2026 | FUKUOKA, JAPAN | https://cisose.fit.ac.jp/2026/

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Sponsors

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https://www.ai-gakkai.or.jp/en/

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Message from the General Chairs
Welcome to IEEE CISOSE 2026!

Steering Board Chair and General Chairs



Jerry Gao
San Jose State University
United States,USA



Prof. Yu Song
Fukuoka Institute of
Technology, Japan



Prof. Hiroyuki Sato
National Institute
of Informatics, Japan



Prof. Hong Zhu
Oxford Brookes University,
United Kingdom

Message from the General Chairs of IEEE CISOSE 2026

Welcome to CISOSE 2026! The IEEE International Congress on Intelligent and Service-Oriented Systems Engineering (CISOSE) is the premier forum dedicated to the synergy of AI and service-oriented systems and their practical implementations.

Originating in 2005 as the IEEE International Workshop on Service-Oriented System Engineering (SOSE'05), the event evolved in 2015 into the fully fledged IEEE International Congress (CISOSE) we see today.

The congress features distinguished keynote speeches, panel discussions and presentations of current research results across multiple parallel technical tracks, exploring cutting-edge areas such as big data and AI/ML techniques and applications, emerging blockchain technologies, AI quality assurance and testing, intelligent mobile computing, smart cities, and internet-of-things, etc. In addition to the invited tracks with presentations from senior members of our community, it also provides a forum for the young researchers to exchange their research ideas and recent progresses in the related subject areas. Furthermore, it serves as a showcase for real-world solutions bridging academia and industry, complemented by an exhibition from leading solution providers and university researchers.

We would like to express our sincere appreciation to the CISOSE Organizing Committee, especially Prof. Hiroyuki Fujioka of Fukuoka Institute of Technology, Japan, and the CISOSE Steering Committee chaired by Prof. Jerry Gao of San José State University, USA, for their outstanding leadership, guidance, and continuous support in organizing this congress. We would also like to thank the local organization team led by Prof. Jing Fu of Fukuoka Institute of Technology, Japan, for their excellent work in coordinating the conference logistics and managing the registration process.

This year, the congress received around 500 paper submissions, and we extend our heartfelt gratitude to all the authors for their exceptional contributions and the excellent work on the reviews of the submissions by the program committees of each conference led by the PC chairs. Due to the high volume of submissions, conference proceedings have been published separately for specific conferences, namely AITest 2026, BigDataService 2026, and JCC 2026. This joint CISOSE 2026 proceedings features the accepted papers from DAPPS 2026, IMC 2026, ITASC 2026, SOSE 2026, and FITYR 2026.

Finally, we would like to express our sincere gratitude to the academic communities listed below for their invaluable support of our congress.

Information Processing Society of Japan (IPSJ)

The Operations Research Society of Japan (ORSJ)

Japan Industrial Management Association

The Japanese Society for Artificial Intelligence

IEEE Computer Society Fukuoka Chapter

IEEE Fukuoka Section



About IEEE CISOSE 2026

IEEE International Congress on Intelligent and Service-Oriented Systems Engineering

The IEEE International Congress on Intelligent and Service-Oriented Systems Engineering (IEEE CISOSE) is a premier international congress dedicated to advancing intelligent and service-oriented systems engineering. It brings together researchers, industry professionals, and practitioners from around the world to exchange ideas, present innovations, and discuss emerging technologies and future research directions.

Originally launched as the IEEE International Workshop on Service-Oriented System Engineering (SOSE) in 2005, the conference evolved into the IEEE International Congress on Intelligent and Service-Oriented Systems Engineering (CISOSE) in 2015. Since then, IEEE CISOSE has become one of the leading international congresses covering intelligent systems, service computing, cloud computing, artificial intelligence, mobile computing, decentralized applications, and big data services.

IEEE CISOSE 2026 will be held in Fukuoka, Japan, bringing together internationally recognized researchers, industry leaders, innovators, and students through keynote speeches, technical sessions, tutorials, panel discussions, and co-located conferences.

The congress promotes interdisciplinary collaboration among academia, industry, and government while fostering innovations that shape the future of intelligent and service-oriented systems engineering.

Congress Information

Congress
IEEE International Congress on Intelligent and Service-Oriented Systems Engineering (IEEE CISOSE 2026)

Date
July 27–30, 2026

Venue
Fukuoka Institute of Technology/Fukuoka, Japan

Official Website
https://cisose.fit.ac.jp/2026/

About IEEE Future Technology Summit 2026

IEEE Future Technology Summit

AI in Vertical Applications: From Chips to Models to Real-World Deployment

The IEEE Future Technology Summit (IEEE FTS 2026) is a premier international summit held in conjunction with IEEE CISOSE 2026. As an integral part of the congress, IEEE FTS serves as a global platform connecting cutting-edge research, emerging technologies, industrial innovation, and investment opportunities.

The theme of IEEE FTS 2026, “AI in Vertical Applications: From Chips to Models to Real-World Deployment,” highlights the transformation of artificial intelligence from foundational technologies into real-world industry solutions. The summit explores the complete AI ecosystem, including AI chips, edge computing, sensing systems, communication infrastructure, AI models, AI agents, embodied intelligence, testing, safety assurance, and large-scale deployment across diverse industries.

IEEE FTS 2026 brings together leading researchers, technology innovators, entrepreneurs, investors, and industry experts to discuss the next generation of AI applications and to foster international collaboration between academia and industry.



Summit Focus

IEEE FTS 2026 features three major summit tracks:

AI Testing Summit

Advancing AI quality assurance, validation, testing automation, standards, and trustworthy AI systems.

AI for Automobile Summit

Exploring AI-driven intelligent vehicles, autonomous driving, smart mobility, and software-defined transportation.

AI in Robotics Summit

Focusing on embodied AI, intelligent robotics, edge intelligence, human–robot collaboration, and autonomous systems.

Summit Information



Summit
IEEE Future Technology Summit 2026

Theme
AI in Vertical Applications:
From Chips to Models to Real-World Deployment

Date
July 27–30, 2026

Venue
Fukuoka Institute of Technology
Fukuoka, Japan

Official Website
https://cisose.fit.ac.jp/2026/

Congress Structure

IEEE CISOSE 2026 Congress

Two Major Events

IEEE CISOSE 2026

IEEE International Congress on Intelligent and Service-Oriented Systems Engineering

IEEE FTS 2026

IEEE Future Technology Summit

Theme

AI in Vertical Applications:
From Chips to Models to Real-World Deployment



Eight Co-located Conferences & Workshops

IEEE JCC 2026

The 17th IEEE International Conference on JointCloud Computing

IEEE SOSE 2026

The 20th IEEE International Conference on Service-Oriented System Engineering

IEEE BigDataService 2026

The 12th IEEE International Conference on Big Data Computing Service and Machine Learning Applications

IEEE IMC 2026

The 14th IEEE International Conference on Intelligent Mobile Computing

IEEE DAPPS 2026

The 8th IEEE International Conference on Decentralized Applications and Infrastructures

IEEE AI TEST 2026

The 8th IEEE International Conference on Artificial Intelligence Testing

IEEE ITASC 2026

The 7th IEEE International Symposium on Intelligent Transportation and Smart City

IEEE FITYR 2026

The 3rd IEEE International Workshop on Future Intelligent Technologies for Young Researchers

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IEEE CISOSE Opening Remarks



Prof. Dr. Hironori Washizaki

Professor, Waseda University, Japan
Immediate Past President, IEEE Computer Society

Topic

Topic:Impact of IEEE Computer Society in Advancing Technologies, including SWEBOK and Service Engineering

Biography

Prof. Dr. Hironori Washizaki is a Professor and Associate Dean of the Research Promotion Division at Waseda University, Tokyo, Japan, and a Visiting Professor at the National Institute of Informatics. He also serves as a Director of eXmotion, Inc.

He is the Immediate Past President of the IEEE Computer Society and has played a leading role in AI software engineering research, ICT professional development, and engineering education. His contributions include leading the development of the IEEE Computer Society's Guide to the Software Engineering Body of Knowledge (SWEBOK Guide) and directing the SmartSE professional education program for IoT, AI, and digital transformation.

Personal Website

www.washi.cs.waseda.ac.jp/washizaki



IEEE CISOSE Keynote Speaker



Professor Jianwei Zhang

Director, Institute of Technical Aspects of Multimodal Systems (TAMS)
Department of Informatics, University of Hamburg, Germany

Topic

Multimodal Embodied AI: Toward Intelligent General-Purpose Robots for Humanity

Abstract

The emergence of multimodal embodied AI represents a major step toward the development of general-purpose robotic systems. Large Multimodal Models (LMMs) facilitate action planning by combining bottom-up skills, enabling robots to generate flexible and effective task sequences from elementary capabilities. This keynote introduces cognitive-inspired concepts that enable robots to better understand complex multimodal environments through the integration of knowledge and learning, thereby improving their ability to adapt, predict, and interact.

The presentation further explores advanced learning techniques, hybrid cognitive architectures, and robotic platforms capable of whole-body manipulation, dynamic locomotion, and service-oriented tasks. These advances demonstrate the great potential of embodied AI in supporting intelligent general-purpose robots that contribute to the well-being of society.

Biography

Professor Jianwei Zhang is Director of the Institute of Technical Aspects of Multimodal Systems (TAMS) at the University of Hamburg, Germany. He is a member of the German Academy of Science and Engineering and an International Member of the Chinese Academy of Engineering.

He received his Bachelor's and Master's degrees from Tsinghua University and his Ph.D. from the University of Karlsruhe, Germany. His research focuses on multimodal information processing, cognitive sensor fusion, robot learning, dexterous manipulation, and service robotics. Professor Zhang has published more than 800 scientific papers and books, received numerous Best Paper Awards, and served as General Chair of IEEE/RSJ IROS 2015.

IEEE CISOSE Keynote Speaker



Professor Jianhua Ma

Professor, Faculty of Computer and Information Sciences
Hosei University, Japan

Topic

From Personal Big Data to Personalized Intelligence

Abstract

The rapid growth of smartphones, wearable devices, IoT, social media, cloud, and edge computing has generated unprecedented volumes of personal data. This keynote introduces the concept of Personal Big Data (PBD) and discusses how continuous multimodal personal data can be transformed into Personalized Intelligence (PI).

Professor Ma presents the vision of intelligent personal agents, known as X-Is—including Cyber-I, Wear-I, Robo-I, Ambi-I, Web-I, Social-I, and Health-I—that can support individuals in various aspects of life within the emerging cyber-physical hyperworld. The talk also highlights future applications and key technological challenges in developing personalized intelligence.

Biography

Professor Jianhua Ma is a Professor in the Faculty of Computer and Information Sciences at Hosei University, Japan. His research interests include pervasive computing, social computing, wearable technology, the Internet of Things, smart environments, and cyber intelligence.

He is widely recognized as one of the pioneers of Hyper World and Cyber World research and has founded several influential IEEE congresses, including IEEE Smart World, IEEE Cybermatics, and IEEE Cyber Science and Technology. Professor Ma has published more than 300 papers, co-authored or edited over 15 books, delivered more than 30 keynote speeches, and currently serves as Chair of the IEEE SC Hyper-Intelligence Technical Committee.

IEEE CISOSE Keynote Speaker



Assoc. Prof. Yutaka Yamaguti

Associate Professor
Fukuoka Institute of Technology, Japan

Topic

Functional Differentiation in Brains and Neural Networks

Abstract

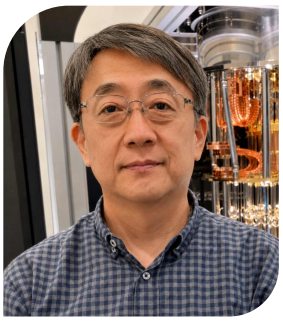
Functional differentiation—the emergence of distinct roles among neurons and neural populations—is a fundamental characteristic of brain organization. This keynote approaches the topic from the perspective of complex systems theory and explores how information-flow regulation shapes functional specialization in self-organizing neural systems.

Drawing on mathematical models including coupled-oscillator networks, evolutionary reservoir computers, hippocampal models, and recurrent neural networks, Professor Yamaguchi demonstrates how specialization can emerge before structural reorganization while improving robustness and adaptability. The talk concludes by discussing the implications of these findings for artificial intelligence, particularly in the areas of modularity, specialization, and system robustness.

Biography

Assoc. Prof. Yutaka Yamaguti is an Associate Professor at the Fukuoka Institute of Technology, Japan. His research focuses on complex systems, computational neuroscience, neural networks, and artificial intelligence. His work explores how information-flow constraints influence functional differentiation, self-organization, and adaptive behavior in biological and artificial systems. He has developed mathematical models including coupled-oscillator networks, evolutionary reservoir computing, hippocampal models, and recurrent neural networks to investigate the mechanisms underlying specialization, robustness, and information processing. His current research bridges neuroscience and AI, with particular interests in modularity, neural dynamics, and biologically inspired intelligent systems.

IEEE CISOSE Keynote Speaker



Professor Jianjun Zhao

Professor
Kyushu University, Japan

Topic

Quantum Software Engineering: From Quantum Algorithms to Real Software

Abstract

Quantum computing has traditionally focused on hardware, algorithms, and quantum circuits. However, practical quantum applications require software that can be systematically developed, tested, analyzed, debugged, and maintained. This keynote introduces the emerging field of Quantum Software Engineering and discusses how software engineering principles can be adapted to address the unique characteristics of quantum computing.

The presentation explores challenges in quantum program analysis, testing, debugging, repair, modeling, and software quality, and concludes with future research directions toward making quantum software engineering a mature and practical discipline.

Biography

Professor Jianjun Zhao is a Professor at Kyushu University, Japan, whose research bridges software engineering and quantum computing. His work focuses on quantum program analysis, testing, debugging, software repair, and software quality.

Building on his extensive experience in software engineering, Professor Zhao aims to establish Quantum Software Engineering as a systematic and practical discipline, helping make future quantum software more understandable, reliable, and easier to develop.



IEEE Future Technology Summit Speaker



Dr. Gordon Gu

Board Director
ADINNO Inc.

Topic

New Economy Based on Advanced Air Mobility & Low Altitude Driven by New Technologies: 6G AI / eVTOL

Abstract

Driven by green transformation and sustainable development, Advanced Air Mobility (AAM) is emerging as one of the fastest-growing technology sectors. Centered on electric vertical takeoff and landing (eVTOL) aircraft and empowered by 6G communications and artificial intelligence, AAM is creating new paradigms for intelligent transportation and logistics.

This presentation explores how AI, next-generation communication technologies, and autonomous flight systems are accelerating the development of the low-altitude economy. It also examines the expected economic impact of AAM, including job creation, regional economic growth, and future intelligent transportation ecosystems.

Biography

Dr. Gordon Gu is a serial entrepreneur, angel investor, and technology strategist with more than 30 years of experience in the global high-tech industry. His expertise spans semiconductor design, telecommunications, artificial intelligence, computing, and communication technologies.

He is the founder of the Yangtze River Delta G60 Low-Altitude Economy Innovation Alliance and currently serves as Board Director of ADINNO Inc., where he focuses on integrating AI, 6G, and eVTOL technologies to advance the next generation of Advanced Air Mobility and intelligent transportation systems.

IEEE Future Technology Summit Speaker



Professor Jie Xu

Chair of Computing
University of Leeds, United Kingdom

Topic

Systems for AI Agents: Scaling, Performance, and Execution Support

Abstract

Large Language Models and AI agents require powerful distributed systems capable of supporting their complete lifecycle. This presentation shares recent experience in designing distributed infrastructures for AI models and intelligent agents, focusing on balancing model scale, performance, execution efficiency, and hallucination mitigation.

Professor Xu also discusses the system architecture required to support the development, deployment, and operation of AI agents, highlighting key infrastructure challenges and future directions for scalable intelligent systems.

Biography

Professor Jie Xu is Chair of Computing at the University of Leeds and Director of the UK White Rose Grid e-Science Centre. He is also a Turing Fellow in AI and Data Science and has over forty years of research experience in distributed computing systems.

He serves on the steering committees of numerous IEEE conferences and has published more than 300 research papers. Professor Xu has led over twenty major research projects, co-founded AI and digital twin technology companies, and continues to advance research in distributed systems, cloud computing, and artificial

IEEE Future Technology Summit Speaker



Professor Wei-Tek Tsai

Professor Emeritus, School of Computing and Augmented Intelligence
Arizona State University, USA

Topic

Software Engineering 3.0 (SE3): A Foundational Change

Abstract

Software Engineering is entering a new era—Software Engineering 3.0 (SE3)—characterized by autonomous agentic systems capable of planning, executing, and self-verifying complex tasks with minimal human intervention. This presentation reviews the evolution of software engineering across three generations, from structured programming (SE1), through the cloud and SaaS era (SE2), to the emerging agentic era (SE3).

Professor Tsai introduces the Community-Based SE3 Framework (CSE3F), a governance architecture designed to support trustworthy AI agent systems through Domain Integrated Models, Domain Information Collectors, and Meta-Agent Systems. Practical enterprise case studies demonstrate how SE3 enables governed AI execution, intelligent automation, and next-generation software engineering practices for the Agent-as-a-Service era.

Biography

Professor Wei-Tek Tsai has been a professor of Computer Science for more than 40 years, previously serving at the University of Minnesota and Arizona State University. His recent research focuses on data assets, data networks, and Software Engineering 3.0 (SE3), exploring the transformation of software engineering through autonomous AI agents and intelligent software systems.

IEEE Future Technology Summit Speaker



Daniel Vu

Founder & CEO, SotaTek JSC, Japan
SotaTek Japan Co., Ltd.

Topic

Empowering Organizations with AI Agents: Practical Social Implementation in Business and Education

Abstract

Many organizations today face critical challenges caused by labor shortages and information overload. This presentation explores the next stage of artificial intelligence, where AI evolves from a tool into a collaborative partner capable of autonomously completing complex tasks. Through practical examples—including NoteX, an autonomous meeting agent, and Saydi, an AI-powered translation platform—Dr. Vu demonstrates how AI agents can significantly improve business operations and educational collaboration.

The presentation also introduces a Guardrail Architecture that ensures AI reliability through engineering principles and discusses Ethics by Design, emphasizing responsible human supervision in AI-enabled organizations. Looking ahead, Dr. Vu presents a roadmap toward the Autonomous Enterprise, where collaborative AI agents become an integral part of organizational transformation.

Biography

Dr. Daniel Vu (Vu Xuan Duong) is President and CEO of SotaTek Japan Co., Ltd., specializing in artificial intelligence, blockchain technologies, and digital transformation strategies. He graduated in Software Engineering from Hanoi University of Science and Technology and pursued advanced studies in Information Engineering at Keio University, Japan.

After co-founding SotaTek in 2015, he led the company's global expansion, growing it into an international organization with more than 1,500 professionals. His expertise includes AI, machine learning, blockchain, Web3, cloud computing, and enterprise digital transformation, with a strong focus on bringing AI technologies into practical business and educational applications.

IEEE Future Technology Summit Speaker



Dr. Jangfan Liu

Associate Professor
School of Mechanical and Aerospace Engineering
Oklahoma State University, USA

Topic

Integrating Artificial Intelligence into Physical Acoustics: Technical Overview and Future Horizons

Abstract

Artificial intelligence has achieved remarkable success in speech and audio applications, yet its integration with physical acoustics remains an emerging research frontier. This presentation introduces a structured framework for AI-enabled physical acoustics and examines four modes of interaction between physics-based knowledge and machine learning.

Through real-world engineering examples, Dr. Liu discusses intelligent acoustic design, smart noise and vibration control, AI-assisted engineering workflows, and future applications involving Large Language Models, robotics, and autonomous acoustic systems. The presentation highlights how AI will transform physical acoustics in both industrial and human-centered environments.

Biography

Dr. Yangfan Liu is an Associate Professor in the School of Mechanical and Aerospace Engineering at Oklahoma State University. His research specializes in physical acoustics, intelligent noise control, psychoacoustics, and AI-driven acoustic systems.

He received his Ph.D. from Purdue University in 2016 and has led more than 30 research projects with approximately US$10 million in research funding. His work has been widely applied in smart noise control, intelligent diagnostics, and human-centered environmental comfort. Dr. Liu currently serves as Vice President of the Institute of Noise Control Engineering (INCE) and is an active leader in the international acoustics community.

IEEE Future Technology Summit Speaker



Professor Jerry Zeyu Gao

Professor
San Jose State University, USA

Topic

Mobile AI Cloud – Intelligence and Platforms for Smart Autonomous Vehicles

Abstract

This keynote presents recent advances in Mobile AI Cloud platforms supporting smart cities, campus surveillance, intelligent electric vehicle charging, smart transportation, and autonomous driving services. Professor Gao reviews the latest developments in AI cloud infrastructures and discusses the challenges of building intelligent platforms capable of supporting autonomous vehicles.

The presentation concludes with a vision for next-generation agentic Mobile AI Cloud platforms that integrate diverse AI capabilities and intelligent infrastructures for future smart transportation systems.

Biography

Professor Jerry Zeyu Gao is Professor of Computer Engineering at San Jose State University and Director of the Smart Technology, Computing, and Complex Systems Research Center. With more than 27 years of academic experience and over 10 years of industry leadership, his research spans machine learning, AI testing, smart cities, mobile AI cloud, and intelligent computing.

He has authored four books and more than 360 publications, with over 10,000 Google Scholar citations. Professor Gao serves as Steering Board Chair of IEEE CISOSE and IEEE Future Technology Summit and has delivered keynote speeches worldwide on AI testing, smart cities, intelligent cloud platforms, and emerging AI technologies.

Panel Discussion

Agentic AI: An Emerging Paradigm of Computing?



Moderator

Prof. Hong Zhu

Hong Zhu

Oxford Brookes University, United Kingdom

Professor Hong Zhu is a Professor of Computer Science at Oxford Brookes University. His research focuses on software engineering for cloud-native and AI applications, including software modeling, software testing, quality assurance, and automated software development. He has published over 200 research papers and is a co-founder of the IEEE AI TEST conference.



Panelist

Prof. Hiroyuki Sato

Hiroyuki Sato

National Institute of Informatics, Japan

Professor Hiroyuki Sato is a Professor at the National Institute of Informatics (NII), Japan, and Director of the Center for Trust and Digital Identity Research and Development. His research interests include computer science, cybersecurity, digital identity, and information security. He is an active member of IEEE, ACM, and IPSJ.



Panelist

Prof. Jianhua Ma

Jianhua Ma

Hosei University, Japan

Professor Jianhua Ma is a Professor at Hosei University and an internationally recognized pioneer in Cyber World, Smart World, and Ubiquitous Intelligence. He has published more than 300 papers and founded several major IEEE conferences in smart computing, cyber science, IoT, and intelligent systems.





Panelist

Assoc Prof. Tomas Cerny

Tomas Cerny

The University of Arizona, USA

Dr. Tomas Cerny is an Associate Professor at the University of Arizona. His research focuses on cloud-native software engineering, software architecture, software maintenance, and technical debt. He has authored more than 200 publications and received numerous international awards for research, mentoring, and professional service.



Panelist

Assoc. Prof. Andrés Muñoz Ortega

Andrés Muñoz Ortega

University of Cádiz, Spain

Dr. Andrés Muñoz Ortega is an Associate Professor at the University of Cádiz. His research interests include artificial intelligence, intelligent environments, multi-agent systems, semantic technologies, ambient assisted living, smart education, and smart mobility.



Panelist

Assoc. Prof. Antonio Alberti

Antonio Alberti

University of Leeds, United Kingdom

Dr. Antonio Alberti is an Associate Professor in Software Engineering at the University of Leeds. His research spans software engineering, artificial intelligence, cloud and edge computing, IoT, distributed ledger technologies, and next-generation Internet architectures. He has published more than 130 peer-reviewed papers and has held leadership roles in major international research initiatives.

Accepted Tutorials

IEEE CISOSE 2026 will feature three half-day tutorials delivered in person at Fukuoka Institute of Technology. The tutorials cover AI test automation, agentic AI system development and verification, and the sensing and data foundations of Physical AI.

Tutorial 1

Building and Verifying AI Systems with Agentic AI

Date:

July 27, 2026

Presenter:

Chia-Kai Chang
Assistant Professor
National Central University, Taiwan

Kuei-Hao Li
Co-founder of Uedu
National Tsing Hua University, Taiwan

Teng-Yok Lee
Head Researcher
Mitsubishi Electric, Japan

Abstract

Generative and agentic AI have dramatically reduced the cost of building real-world, multi-user AI systems, but not the cost of understanding or trusting them. This hands-on tutorial teaches a domain-independent method based on three repeating steps: building a system through specification-driven agentic AI development, making the system legible through data visualization, and using those visualizations to test its behavior.

Participants will learn a layered AI-testing framework covering code, pipelines, behavior, guardrails, governance, and drift. The tutorial also introduces a runnable LLM-as-Judge harness with versioned prompts and cross-model reproducibility, visualization methods such as contribution maps and visual anomaly detection, and a governed data-handling template. A production AI education platform is used as the running example.

Presenter Biographies

Chia-Kai Chang is an Assistant Professor at National Central University, Taiwan. He is the developer of Uedu, an AI-assisted teaching and learning platform deployed across more than 48 universities. His research spans AI literacy education, educational technology, multimodal physiological sensing, and learning analytics. He currently serves as Tutorial Chair for IEEE CISOSE 2026.

Kuei-Hao Li is a scholar and entrepreneur specializing in digital learning and Agentic AI applications in education. He is a co-founder of Uedu and a Ph.D. candidate at National Tsing Hua University, Taiwan. His research focuses on Agentic AI for language education, self-regulated learning, and multimodal learning analytics.

Teng-Yok Lee is a Head Researcher at Mitsubishi Electric, Japan, specializing in data visualization and visual anomaly detection. He earned his Ph.D. in Computer Science and Engineering from The Ohio State University and previously worked at Mitsubishi Electric Research Laboratories and Amazon Web Services.

Tutorial 2

From Test Automation to Agentic Test Automation for Smart Systems

Date:

July 28, 2026

Presenter:

Jerry Zeyu Gao

Professor, Department of Computer Engineering
College of Engineering
San Jose State University, USA

Abstract

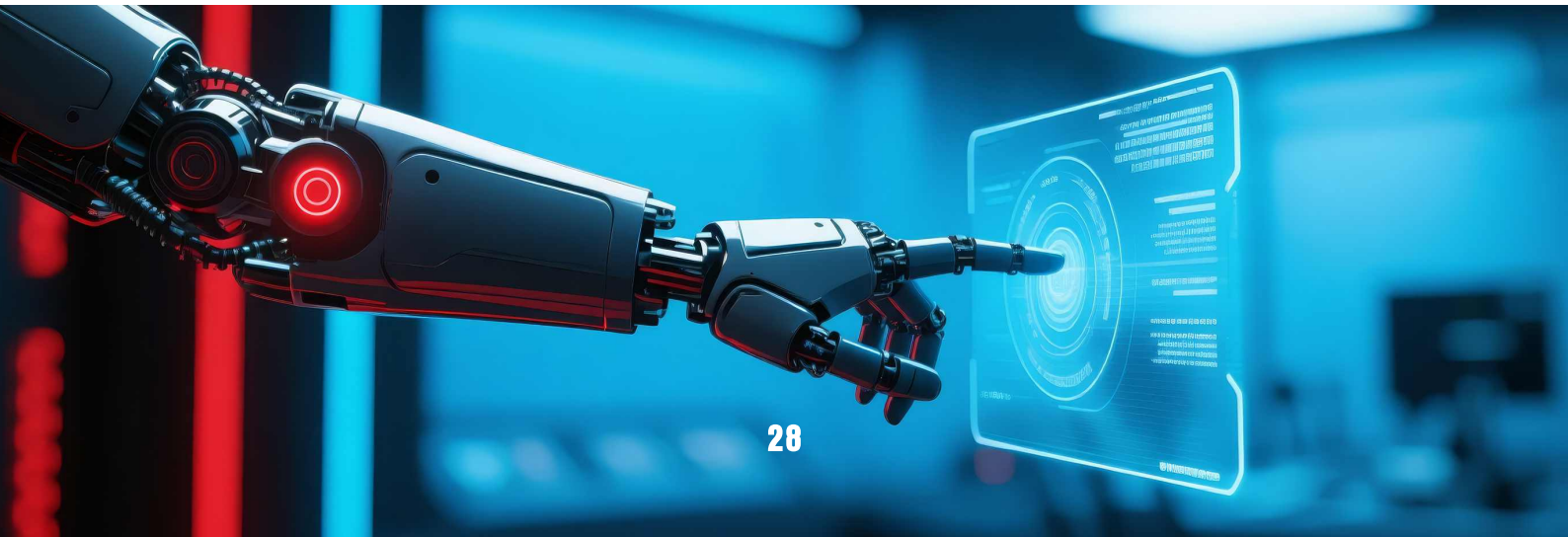
According to Global Market Insights, the automation-testing market is projected to grow from US$15 billion in 2020 to more than US$40 billion by 2027. The rapid rise of AI-powered systems is also driving strong demand for AI system test automation.

This survey tutorial reviews AI system testing and automation, including test modeling and analysis, test generation and augmentation, smart test validation, and the use of large language models in test automation. It examines major challenges such as intelligence-quality validation and test-coverage evaluation, and concludes with a roadmap for transforming conventional test automation into agentic AI test automation across AI systems, smart robots, and autonomous vehicles.

Biography

Jerry Zeyu Gao is a Professor in the Department of Computer Engineering and the Department of Applied Data Science at San José State University, where he serves as Research Center Director of Smart Complex Systems. He has more than 25 years of academic experience and over 10 years of industry experience in software engineering and IT application development.

Dr. Gao has published more than 350 papers in IEEE and ACM journals and international conferences, co-authored three technical books, and edited numerous volumes. His research spans smart cyber-physical systems, smart cities, AI and machine learning, cloud and mobile cloud services, and intelligent system test automation. Since 2019, he has served as Steering Board Chair of IEEE CISOSE.



Tutorial 3

Foundations of Physical AI: Sensing, Calibration, Communication, and Data Validation

Date:

July 29, 2026

Presenter:

Prof. Winncy Du

Professor, Mechanical Engineering Department
San José State University, USA

Abstract

Physical AI systems—including autonomous robots, drones, intelligent manufacturing systems, and other cyber-physical systems—depend fundamentally on the quality, reliability, and integrity of sensor data. Their performance ultimately relies on accurate perception of the physical world through sensing, data acquisition, communication, and validation.

This tutorial introduces the sensors used in Physical AI systems, including their operating principles, classifications, characteristics, and roles in multi-sensor architectures. Topics include sensor calibration, measurement uncertainty, noise analysis, signal conditioning, compensation techniques, filtering, sensor networking, real-time communication protocols, time synchronization, and data-quality assessment.

Emerging areas such as sensor fusion, edge intelligence, and AI-enhanced sensing architectures will demonstrate how robust sensing improves the performance, resilience, and trustworthiness of Physical AI. Practical examples and case studies will cover robotics, autonomous systems, manufacturing, and intelligent cyber-physical infrastructures.

Biography

Prof. Winncy Du is a Professor in the Mechanical Engineering Department at San José State University, where she directs the Robotics, Sensors, and Machine Intelligence Laboratory and the Mechatronics Laboratory. She was a Visiting Professor at the Massachusetts Institute of Technology from 2014 to 2015.

Her research interests include robotics, sensor technologies, mechatronics, intelligent sensing, machine learning, and Physical AI. She has led more than 100 research and industry projects in robotics, sensors, and manufacturing automation and is the author of Resistive, Capacitive, Inductive, and Magnetic Sensors.

Tutorial Website

https://uedu.tw/cisose-2026-tutorial/

Co-located Conferences & Workshop

IEEE CISOSE 2026 features seven internationally recognized IEEE conferences and one IEEE workshop, bringing together researchers, practitioners, and industry leaders to explore the latest advances in intelligent systems, service-oriented engineering, artificial intelligence, cloud computing, mobile computing, decentralized applications, transportation technologies, and emerging innovations. Together, these co-located events provide a multidisciplinary platform for presenting cutting-edge research, fostering international collaboration, and promoting innovation across academia and industry.

IEEE JCC 2026

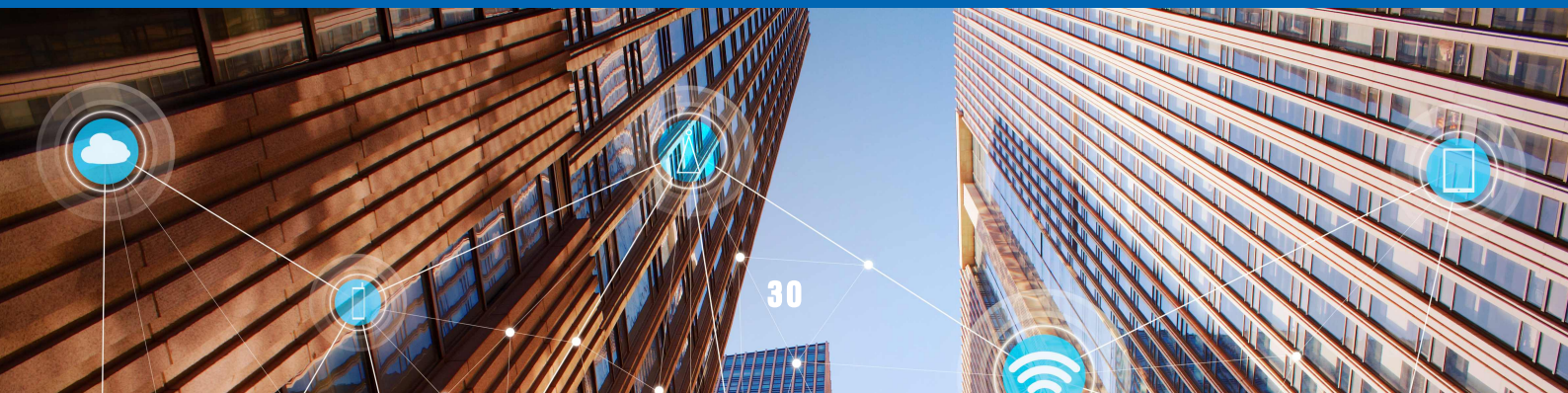
The 17th IEEE International Conference on JointCloud Computing

About the Conference

IEEE JCC is a premier international conference dedicated to JointCloud Computing. It provides a global forum for researchers and practitioners to exchange innovative ideas, present the latest research results, and share practical experiences in JointCloud technologies. IEEE JCC 2026 is held as part of IEEE CISOSE 2026 in Fukuoka, Japan.

Conference Topics

- JointCloud Computing
- Cloud-Native Systems
- Distributed Cloud Infrastructure
- Hybrid Cloud Technologies
- Edge-Cloud Collaboration
- Cloud Service Engineering
- AI-enabled Cloud Platforms
- Cloud Security & Privacy



General Chairs

Jin Hai
Huazhong University of Science and Technology, China

Albert Y. Zomaya
The University of Sydney, Australia

Paul Townend
Umeå University, Sweden

Antonio Alberti
University of Leeds, United Kingdom

Program Chairs

Deze Zeng
China University of Geosciences, China

Shadi Ibrahim
Inria, Rennes Bretagne Atlantique Research Center, France

Dawei Feng
National University of Defense Technology (NUDT), China

Conference Contact

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Victor Sanchez-Anguix
Email: vicsana1@upv.es



IEEE SOSE 2026

The 20th IEEE International Conference on Service-Oriented System Engineering

About the Conference

Celebrating its 20th edition, IEEE SOSE is one of the longest-running IEEE conferences in Service-Oriented System Engineering. It serves as an international forum for researchers and practitioners to exchange the latest achievements, methodologies, and visions in service-oriented architectures, cloud services, software engineering, and intelligent service ecosystems.

Conference Topics

- Service-Oriented Architectures
- Microservices
- Serverless Computing
- APIs & API Management
- Software Engineering for SOA
- Edge, Fog & Cloud Services
- AI in Service-Oriented Systems
- Service Quality & DevOps

General Chairs

Jerry Gao
San Jose State University, USA

M. Younas
Oxford Brookes University, United Kingdom

Yepeng Ding
Hiroshima University, Japan

Jianhua Ma
Hosei University, Japan

Program Chairs

Yinsheng Li
Fudan University, China

Irfan Awan
University of Bradford, United Kingdom

Eric Pardede
La Trobe University, Australia

Conference Contact

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Program Inquiries
Haihua Chen
Email: Haihua.chen@unt.edu

IEEE BigDataService 2026

The 12th IEEE International Conference on Big Data Computing Service and Machine Learning Applications

About the Conference

IEEE BigDataService is an international conference focusing on Big Data Computing Services and Machine Learning Applications. It brings together researchers and industry professionals to exchange innovative ideas, share research advances, and discuss emerging technologies in big data services, intelligent analytics, and AI-driven computing platforms.

Conference Topics

- Big Data Computing
- Machine Learning Applications
- Data Analytics
- Cloud-based Data Services
- AI-enabled Data Platforms
- Data Engineering
- Distributed Computing
- Intelligent Data Services

General Chairs

Jerry Gao
San Jose State University, USA

M. Younas
Oxford Brookes University, United Kingdom

Yepeng Ding
Hiroshima University, Japan

Jianhua Ma
Hosei University, Japan

Program Chairs

Yinsheng Li
Fudan University, China

Irfan Awan
University of Bradford, United Kingdom

Eric Pardede
La Trobe University, Australia

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IEEE IMC 2026

The 14th IEEE International Conference on Intelligent Mobile Computing

About the Conference

IEEE IMC is a leading IEEE-sponsored conference on Intelligent Mobile Computing. It focuses on intelligent mobile systems, edge computing, cloud computing, artificial intelligence, and ubiquitous computing technologies, providing an international platform for presenting advances in next-generation mobile and intelligent computing.

Conference Topics

- Intelligent Mobile Computing
- Edge Computing
- Cloud Computing
- AI Agents
- Large Language Models
- Mobile AI Systems
- Autonomous Computing
- Mobile–Edge–Cloud Integration

General Chairs

Lan Zhang
Clemson University, USA

Aohan Li
The University of Electro-Communications, Japan

Program Chairs

Somchart Fugkeaw
Thammasat University, Thailand

Navati Saena
San Jose State University, USA

Sandro G. Rodriguez
Technical University of Berlin, Germany

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Navrati Saxena
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IEEE DAPPS 2026

The 8th IEEE International Conference on Decentralized Applications and Infrastructures

About the Conference

IEEE DAPPS is an international conference dedicated to decentralized applications and infrastructures. It provides a premier forum for researchers, developers, and industry professionals to present the latest advances in blockchain, Web3, distributed ledger technologies, decentralized computing, and trusted digital infrastructures. IEEE DAPPS 2026 promotes collaboration between academia and industry to shape the future of decentralized systems.

Conference Topics

- Blockchain Technologies
- Distributed Ledger Technologies
- Web3 Applications
- Smart Contracts
- Decentralized Finance (DeFi)
- Trusted Computing
- Security & Privacy
- Decentralized Infrastructures

Steering Committee Chair

Kaiwen Zhang
École de technologie sup é rieure, Canada

General Chairs

Xiaojie Zhu
KAUST, Saudi Arabia

Gengrui Zhang
Concordia University, Canada

Program Chairs

Abdelhakim Senhaji Hafid
University of Montreal, Canada

Conference Contact

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IEEE AI TEST 2026

The 8th IEEE International Conference on Artificial Intelligence Testing

About the Conference

IEEE AI TEST is a leading international conference dedicated to artificial intelligence testing and quality assurance. The conference focuses on verification, validation, benchmarking, safety, trustworthiness, and lifecycle quality management of AI systems. It provides a unique international forum for researchers and practitioners to exchange innovative ideas, methodologies, tools, standards, and industrial best practices for ensuring reliable AI applications.

Conference Topics

- AI Testing
- AI Verification & Validation
- Trustworthy AI
- AI Quality Assurance
- AI Test Automation
- AI Safety
- AI Benchmarking
- Responsible AI

General Chairs

Hong Zhu
Oxford Brookes University, United Kingdom

Yu Song
Fukuoka Institute of Technology, Japan

Francesca Lonetti
CNR-ISTI, Italy

Program Chairs

Haihua Chen
University of North Texas, USA

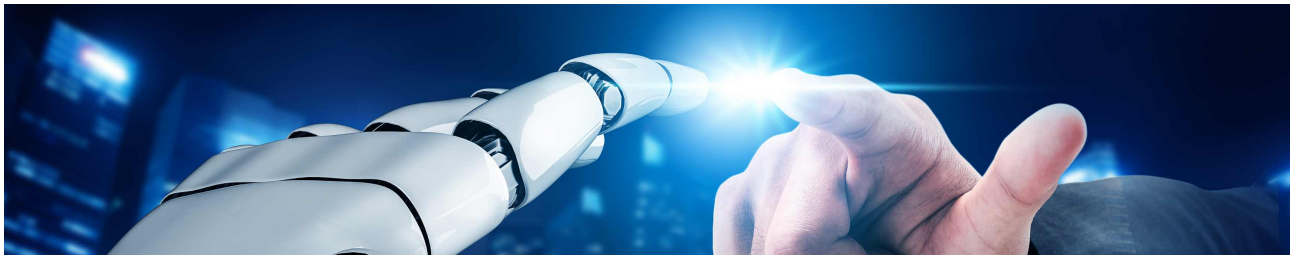
Tatsuhiro Tsuchiya
Osaka University, Japan

Claudio de la Riva
Universidad de Oviedo, Spain

Conference Contact

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Email: Haihua.chen@unt.edu



IEEE ITASC 2026

The 7th IEEE International Symposium on Intelligent Transportation and Smart City

About the Conference

IEEE ITASC is an international symposium focusing on intelligent transportation systems and smart city technologies. It provides an interdisciplinary platform for researchers, engineers, policymakers, and industry leaders to share innovative research and practical solutions in intelligent mobility, autonomous transportation, urban digital infrastructure, and sustainable smart city development.



Conference Topics

- Intelligent Transportation Systems
- Smart Cities
- Autonomous Vehicles
- Intelligent Mobility
- Smart Traffic Management
- Urban Digital Infrastructure
- AI-enabled Transportation
- Sustainable Transportation

General Chairs

Xiaoqing Zeng
Tongji University, China

Yinong Chen
Arizona State University, USA

Program Chairs

Guanqiu Qi
Buffalo State University, USA

Carlos Perez
Mexico Bank, Mexico

Hafiz Farooq Ahmad
King Faisal University, Saudi Arabia

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IEEE FITYR 2026

The 3rd IEEE International Workshop on Future Intelligent Technologies for Young Researchers

About the Conference

IEEE FITYR is an international workshop established to encourage young researchers to explore future intelligent technologies and share innovative research with the global community. It provides an open platform for graduate students, early-career researchers, and young professionals to exchange ideas, present emerging research, and foster international collaboration across interdisciplinary fields of intelligent computing.

Conference Topics

- Artificial Intelligence
- Intelligent Computing
- Machine Learning
- Data Science
- Cloud Computing
- Smart Systems
- Emerging Technologies
- Interdisciplinary Research

General Chairs

Iraklis Varlamis

Harokopio University of Athens, Greece

Program Chairs

Xiaotian Xu

Beijing Urban Construction Intelligent Control Co., Ltd., China

Guangzhe Zhao

Beijing University of Civil Engineering and Architecture, China

Conference Contact

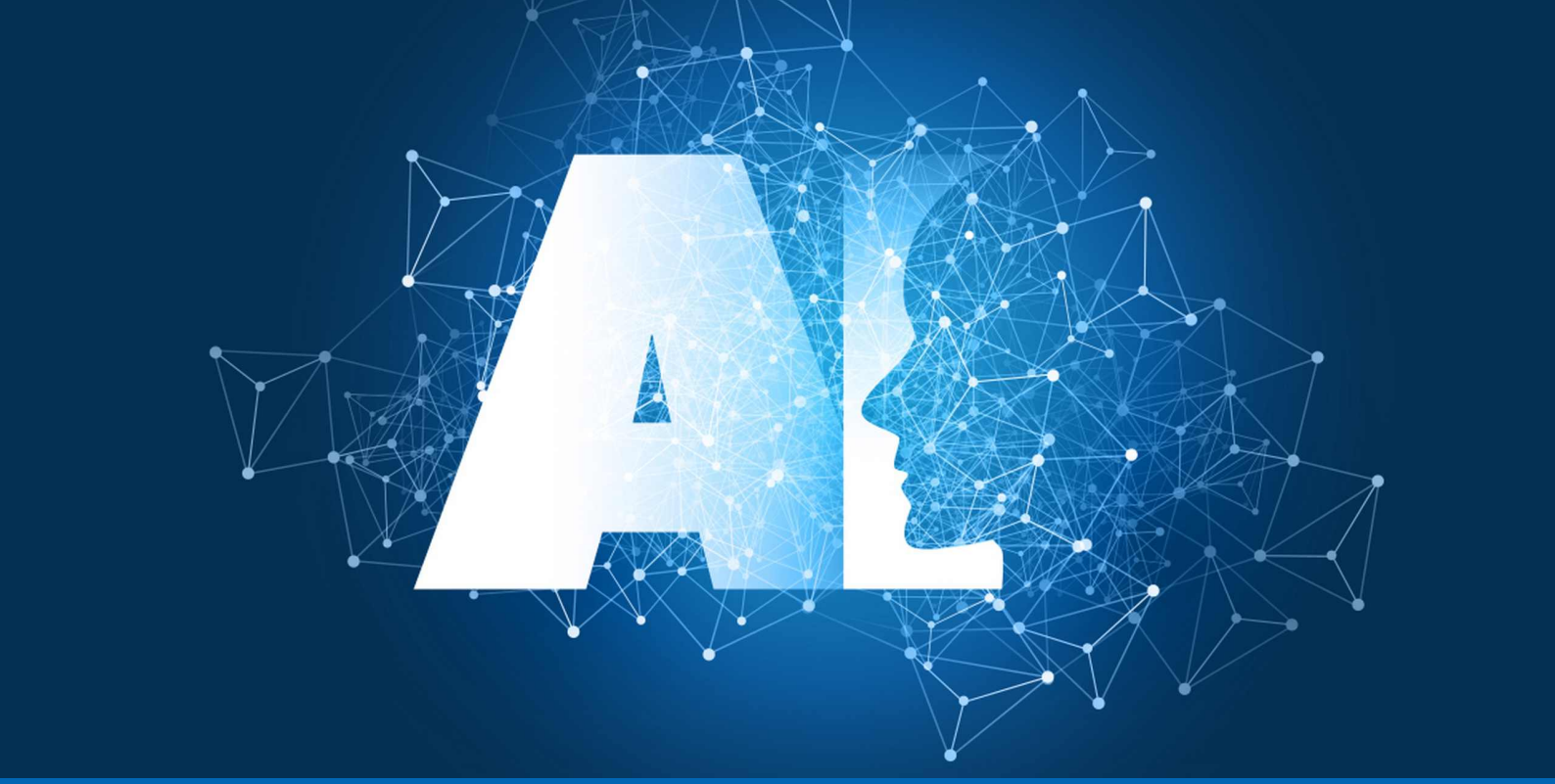
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Conference Program

The following pages present the official conference program for IEEE CISOSE 2026 and IEEE Future Technology Summit 2026. Please refer to the latest online program for any updates.

Congress at a Glance

CISOSE 2026 | FUKUOKA, JAPAN

CISOSE 2026 Program

July 27-30, 2026 | Japan Standard Time (JST)

IEEE International Congress on Intelligent and Service-Oriented Systems Engineering

CO-LOCATED CONFERENCES		
JCC	IEEE JointCloud Conference 2026	OPEN
SOSE	IEEE International Conference on Service-Oriented System Engineering 2026	OPEN
BDS	IEEE International Conference on Big Data Service and Applications 2026	OPEN
IMC	IEEE International Conference on Intelligent Mobile Computing 2026	OPEN
DAPPS	IEEE International Conference on Decentralized Applications and Infrastructures 2026	OPEN
AITest	IEEE International Conference on Artificial Intelligence Testing 2026	OPEN
ITASC	IEEE International Conference on Intelligent Transportation and Smart Cities 2026	OPEN
FITYR	IEEE Future Technology for Young Researchers 2026	OPEN

PROGRAM AT A GLANCE

Monday, July 27, 2026

Daily schedule and detailed sessions | JST

PROGRAM AT A GLANCE

TIME		
08:30-	2F	**Registration**
09:00-10:00	Hall	**Opening Session**
10:00-10:30	3F	Coffee Break
10:30-11:15	Hall	**Keynote #1** **Multimodal Embodied AI: Toward Intelligent General-Purpose Robots for Humanity** **Dr. Jianwei Zhang (University of Hamburg, Germany)**
11:15-12:45	Seminar Room 1	【Invited】BDS-1 Machine Intelligence and Applications Chair: Jerry Gao
11:15-12:45	Seminar Room 2	BDS S1: Retrieval-Augmented and Agentic LLM Systems Chair Wencen Wu
11:15-12:45	Seminar Room 4	AITest S1: Evaluating AI systems Chair Tatsuhiro Tsuchiya
11:15-12:45	Seminar Room 5	IMC S1 Chair Somchart Fugkeaw
11:15-12:45	Conference Room 1	SOSE S1 Chair Jerry Gao
12:45-13:45	OASIS Restaurant	Lunch
13:45-15:15	Seminar Room 1	【Invited】AITest-1 AI in Testing Chair: Haihua Chen
13:45-15:15	Seminar Room 2	BDS S2: Human-Centered and Educational AI Applications Chair Akinori Hidaka
13:45-15:15	Seminar Room 5	IMC S2 Chair Somchart Fugkeaw
13:45-15:15	Conference Room 1	SOSE S2 Chair Wook Kang
13:45-16:45	Conference Room 2	**Tutorial #1** **Building and Verifying AI Systems with Agentic AI** **Format: Hands-On | Tool Demo** **Presenters: • Chia-Kai Chang, National Central University, Taiwan • Kuei-Hao Li, National Tsing Hua University, Taiwan • Teng-Yok Lee, Mitsubishi Electric, Japan**
13:45-15:15	Online A	BDS S9: Online Session Chair Katerina Potika
15:15-15:45	3F	Coffee Break
15:45-17:15	Seminar Room 1	【Invited】IMC-1 Intelligent Mobile Computing and IoT Chair: Hong Zhu
15:45-17:15	Seminar Room 2	BDS S3: Scalable Data Systems, Telemetry and Stream Processing Chair Paolo Nesi
15:45-17:15	Seminar Room 4	AITest S2: AI for Software Quality Engineering Chair Tatsuhiro Tsuchiya
15:45-17:15	Conference Room 1	ITASC S1 : Chair Yinong Chen
17:30	Main Building	Group Photo
18:00	OASIS Restaurant	Welcome Reception
After Reception	Hall	CISOSE 2027+2028 Planning Meeting

PROGRAM AT A GLANCE

Tuesday, July 28, 2026

Daily schedule and detailed sessions | JST

PROGRAM AT A GLANCE

TIME		
09:00-09:45	Hall	**Keynote #2** **From Personal Big Data to Personalized Intelligence** **Prof. Jianhua Ma (Hosei University, Japan)**
09:45-10:15	3F	Coffee Break
10:15-11:45	Seminar Room 1	【Invited】SOSE-1 AI In Service-Oriented Computing Chair: Song Yu
10:15-11:45	Seminar Room 2	BDS S4: Optimization, Prediction and Applied Decision Analytics Chair Iraklis Varlamis
10:15-11:45	Seminar Room 3	DAPPS S1 : Identity, Privacy, and User Experience Chair Kaiwen Zhang
10:15-11:45	Seminar Room 4	AITest S3: LLMs for Software Engineering and Security Chair Tatsuhiro Tsuchiya
10:15-11:45	Seminar Room 5	FITYR S1: Emerging Intelligent Technologies and AI-Driven Applications Chair Xiaotian Xu
10:15-11:45	Conference Room 1	ITASC S2 : Chair Yinong Chen
10:15-11:45	Online A	JCC S1: LLM, AI Serving & Machine Learning Chair Lin Gu
10:15-11:45	Online B	JCC S2: LLM, AI Serving & Machine Learning Chair Xiaofeng Hou
10:15-11:45	Online C	JCC S3: Networking, Distributed Systems, Blockchain & Security Chair Yang Feng
11:45-12:45	OASIS Restaurant	Lunch
12:45-13:30	Hall	**Keynote #3** **Functional Differentiation in Brains and Neural Networks** **Prof. Yutaka Yamaguti (Fukuoka Institute of Technology, Japan)**
13:30-14:30	Building C 1F	Coffee Break
13:30-14:30	Building C 1F	**P1 Poster Session — BDS & DAPPS**
13:30-16:30	Conference Room 2	**Tutorial #2** **From Test Automation to Agentic Test Automation for Smart Systems** **Presenter: Jerry Zeyu Gao, San Jose State University, USA**
13:30-14:30	Online A	JCC S4: Networking, Distributed Systems, Blockchain & Security Chair Xiuhua Li
13:30-14:30	Online B	JCC S5: Edge Computing, UAV, Federated Learning & AIOps Chair Lei Liu
13:30-14:30	Online C	JCC S6: Edge Computing, UAV, Federated Learning & AIOps Chair Zhuo Li

PROGRAM AT A GLANCE

Tuesday, July 28, 2026

Daily schedule and detailed sessions | JST

PROGRAM AT A GLANCE

TIME		
14:30-16:00	Hall	**Panel**: **Agentic AI**: **An Emerging Paradigm of Computing**? **Panellists**: **Hong Zhu** (**moderator**). **Oxford Brookes University**, **Oxford**, **UK** **Hiroyuki Sato**, **National Institute of Informatics**, **Japan** **Jianhua Ma**, **Hosei University**, **Japan** **Tomas Cerny**, **University of Arizona**, **Tucson**, **USA** **Andrés Muñoz Ortega**, **University of Cádiz**, **Spain** **Antonio Alberti**, **University of Leeds**, **UK**
14:30-16:00	Seminar Room 1	【Invited】SOSE-2 AI in Service-Oriented Systems Chair: Guadalupe Ortiz
14:30-16:00	Seminar Room 2	BDS S5: Mobility, Edge AI, Vision and Smart Environments Chair William Andreopoulos
14:30-16:00	Seminar Room 3	DAPPS S2 : Governance, Consensus, and Blockchain Mechanisms Chair Md Tauseef Alam
14:30-16:00	Seminar Room 4	AITest S4: Test Prioritization and Test Process Improvement Chair Tatsuhiro Tsuchiya
14:30-16:00	Online A	JCC S7: LLM, AI Services & Knowledge Engineering Chair Xin Liu
14:30-16:00	Online B	JCC S8: Cloud, Edge, Network Security & Systems Chair Geyao Cheng
14:30-16:00	Online C	AITest S7 Online Session: Testing and Validation of AI Systems Chair Tatsuhiro Tsuchiya
16:30-17:30	αBuilding	**Bus to Banquet Venue**
17:45-18:15	LUIGANS Spa&Resort	**Hakata Bay Cruise Trip**
18:30-20:30	LUIGANS Spa&Resort	**Banquet**

PROGRAM AT A GLANCE

Wednesday, July 29, 2026

Daily schedule and detailed sessions | JST

PROGRAM AT A GLANCE

TIME		
09:00-09:45	Hall	**Keynote #4** **Quantum Software Engineering: From Quantum Algorithms to Real Software** **Prof. Jianjun Zhao (Kyushu University, Japan)**
09:45-10:15	3F	Coffee Break
10:15-11:45	Seminar Room 1	【Invited】BDS-2 Evaluation of AI Performances Chair: I-Ling Yen
10:15-11:45	Seminar Room 2	BDS S6: SecAI track Chair Monowar Bhuyan
10:15-11:45	Seminar Room 3	DAPPS S3: Blockchain Applications and Trusted Records Chair Stephen Fan
10:15-11:45	Seminar Room 4	AITest S5: Robustness and Regression Verification Chair Tatsuhiro Tsuchiya
10:15-11:45	Conference Room 1	ITASC S4
11:45-12:45	OASIS Restaurant	Lunch
12:45-13:30	Hall	**Keynote #5** **New Economy Based on Advanced Air Mobility & Low Altitude Driven by the New tech 6G AI | eVTOL** **Dr. Gordon Gu (Board Director, ADINNO Inc.)**
13:30-15:00	Seminar Room 1	【Invited】AITest-2 Agentic Test Automation Systems Chair: Zhiming Zhao
13:30-15:00	Seminar Room 2	BDS S7: Explainable and Semantic AI for Knowledge-Driven Prediction and Learning Chair William Andreopoulos
13:30-15:00	Seminar Room 3	DAPPS S4: Blockchain, AI, and Automated Computation Chair Zhuo Cai
13:30-16:30	Conference Room 2	**Tutorial #3** **Foundations of Physical AI: Sensing, Calibration, Communication, and Data Validation** **Presenter: Winncy Du, San Jos éState University, USA**
15:00-15:30	3F	Coffee Break
15:30-17:00	Hall	【Invited】JCC-1 Intelligent Environments and Ecosystems of Services Chair: Iraklis Varlamis
15:30-17:00	Seminar Room 1	【Invited】SOSE-3 Service-Oriented Architectures Chair: Wencen Wu
15:30-17:00	Seminar Room 2	BDS S8: Robust and Privacy-Aware Machine Learning for Prediction, Detection, and Compression Chair Paolo Nesi
15:30-17:00	Seminar Room 3	DAPPS S5: Blockchain Infrastructure, Networks, and Interoperability Chair James J. Lee
15:30-17:00	Seminar Room 4	AITest S6: Domain-Specific AI Applications Chair Tatsuhiro Tsuchiya
15:30-17:00	Online A	AITest S8 Online Session: Domain-Specific AI Applications Chair Tatsuhiro Tsuchiya
17:30-18:00	Hall	**CISOSE2026 Paper Award Ceremony & Closing Session**

PROGRAM AT A GLANCE

Thursday, July 30, 2026

Daily schedule overview | JST

PROGRAM AT A GLANCE		
TIME	**VENUE**	**PROGRAM**
09:00-10:30	Hall	1.**Prof. Jie Xu (University of Leeds, UK) Systems for AI Agents: Scaling, Performance, and Execution Support**
		2. **Prof. Wei-Tek Tsai (Arizona State University, USA) Software Engineering 3.0 (SE3) : A Foundational Change**
10:30-10:45	3F	Coffee Break
10:45-13:00	Hall	1. **Mr. Daniel Vu (Founder, SotaTek Japan, Japan) Empowering Organizations with AI Agents: Practical Social Implementation in Business and Education**
		2. **Prof. Yangfan Liu (Oklahoma State University, USA) Integrating Artificial Intelligence into Physical Acoustics: Technical Overview and Future Horizons**
		3. **Prof. Jerry Zeyu Gao (San Jose State University, USA) Mobile AI Cloud - Intelligence and Platforms for Smart Autonomous Vehicles**
13:00-13:30	3F	Coffee Break (Lunch)

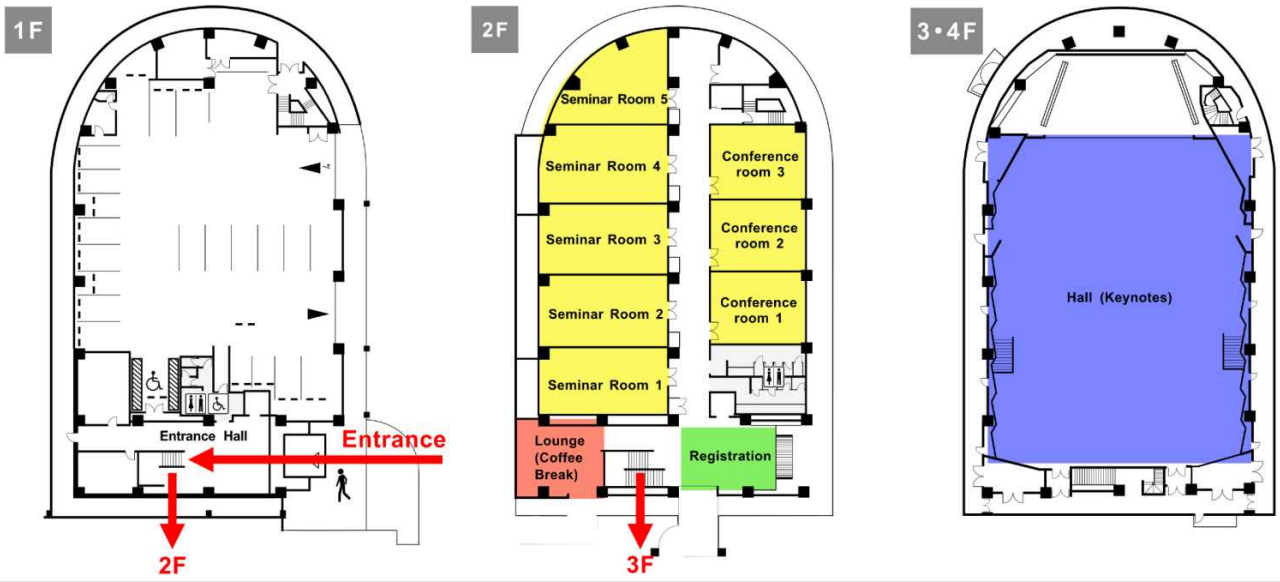
Please refer to the conference website for the latest and final program updates. Please check the website regularly for updates.

Venue Information

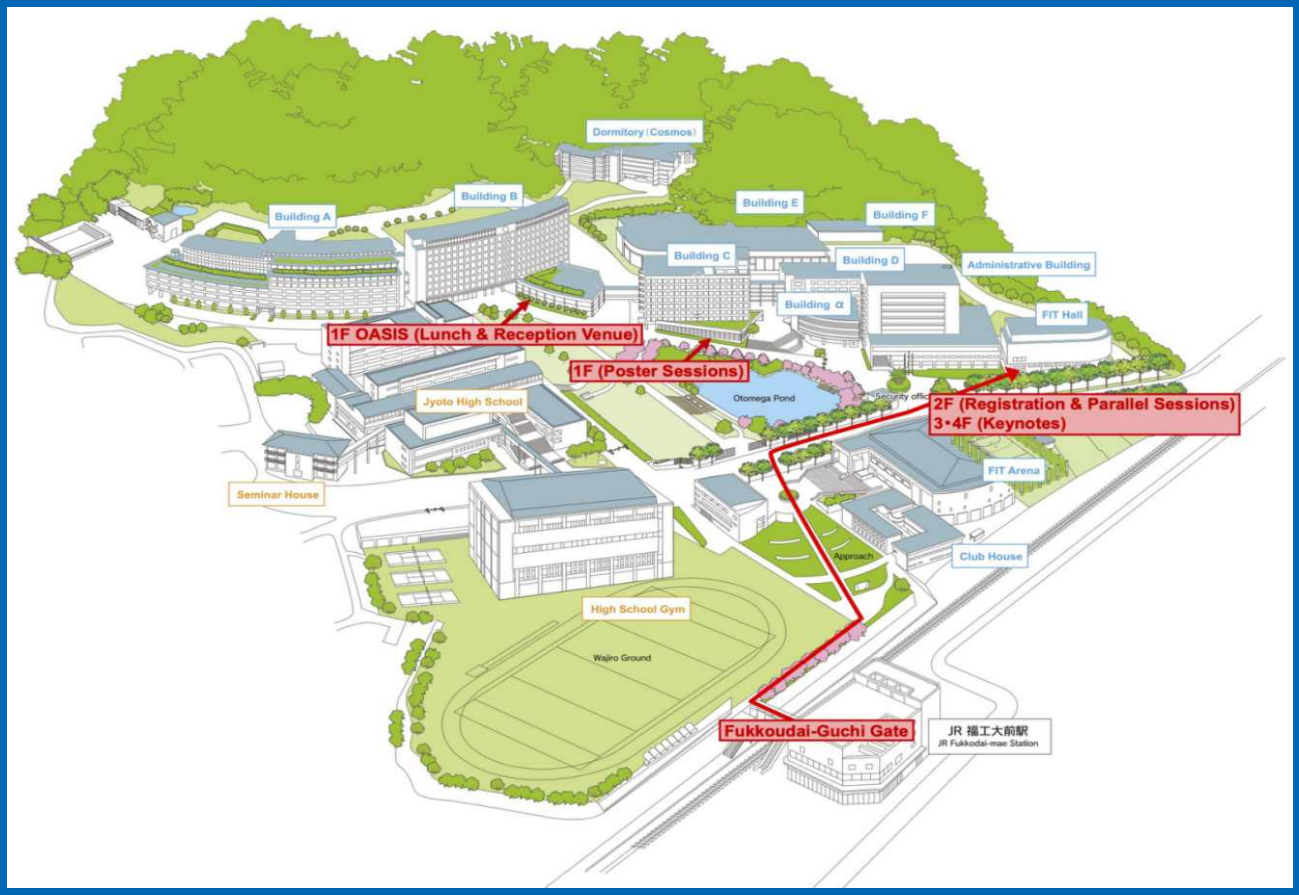
Venue & Session Locations

The following maps provide an overview of the conference venue, session locations, and key facilities at the Fukuoka Institute of Technology (FIT). Please refer to the maps to locate keynote sessions, parallel sessions, poster sessions, registration, coffee break areas, and other conference facilities throughout the congress.

FIT Hall Floor Plan



FIT Hall Floor Plan



Venue Address

Fukuoka Institute of Technology (FIT)
3-30-1 Wajiro-higashi, Higashi-ku
Fukuoka 811-0295, Japan

Official Campus Map

https://www.fit.ac.jp/shisetsu/campus/map/

Session Rooms

IEEE CISOSE 2026 and IEEE Future Technology Summit 2026 will be held on Floors 2–4 of FIT Hall at the Fukuoka Institute of Technology (FIT).

Parallel Sessions

Seminar Rooms 1–5 and Conference Rooms 1–3 (2F)

Keynote Sessions

Hall (3F / 4F)

Poster Sessions Gathering Site, Building C (1F) Coffee Break Area Lounge (2F)

Please refer to the Conference Program and Room Map for detailed session locations.

Lunch Information

Lunch will be served at OASIS from 11:30 AM to 2:00 PM.

Meal tickets for all four congress days will be provided during registration and attached to each participant's name badge.

Each meal ticket has a value of ¥1,000 per use. Please note that no change will be given.

As there are very few restaurants near the university, participants are encouraged to use their meal tickets at OASIS during the congress.

Congress Reception

Date	Time	Venue
Monday, July 27, 2026	6:00 PM	OASIS

Congress Banquet

Venue	Date	Shuttle Bus Departure	Departure Location
THE LUIGANS Spa & Resort	Tuesday, July 28, 2026	4:30 PM	Front of Building α

Participants are kindly requested to arrive on time for the shuttle bus. If the shuttle bus is missed, please travel directly to the banquet venue and arrive by 6:30 PM. Please present your banquet ticket upon arrival.

Useful Links

Campus Map	Banquet Venue Access
https://www.fit.ac.jp/shisetsu/campus/map/	https://www.luigans.com/en/access/

Conference Proceedings

Accepted papers of IEEE CISOSE 2026 have been published in the official IEEE Conference Proceedings.

Due to the large number of high-quality submissions, proceedings for the following conferences are published as independent volumes:

IEEE AI TEST 2026	IEEE BigDataService 2026	IEEE JCC 2026

A joint IEEE CISOSE 2026 Proceedings volume includes accepted papers from:

IEEE DAPPS 2026	IEEE IMC 2026	IEEE ITASC 2026
IEEE SOSE 2026	IEEE FITYR 2026	

This year's congress received around 500 paper submissions from researchers worldwide, reflecting the growing international impact of IEEE CISOSE.



Future Generation of Computer Systems (Elsevier)

Special Issue on Big Data Computing Service and Machine Learning Applications



Journal of Service Oriented Computing and Applications

Special Issue on Testing and Automation Services for Intelligent Systems



Blockchain: Research and Applications (Elsevier)

Special Issue on Decentralized Applications and Infrastructures





Journal of Big Data (Springer)

Selected papers from IEEE CISOSE will be recommended to this journal



Smart Cities (MDPI)

Big Data and AI Services for Sustainable Smart Cities



Electronics (MDPI)

Advances in Multimedia Information Retrieval and Extraction

IEEE CISOSE

IEEE INTERNATIONAL CONGRESS ON INTELLIGENT AND SERVICE-ORIENTED SYSTEMS ENGINEERING

IEEE CISOSE 2026

IEEE International Congress on
Intelligent and Service-Oriented Systems Engineering

IEEE FTS

IEEE Future Technology Summit 2026

AI in Vertical Applications:
From Chips to Models to Real-World Deployment

July 27–30, 2026
Fukuoka Institute of Technology
Fukuoka, Japan

Official Conference Website **https://cisose.fit.ac.jp/2026/**