

ICENIT 2025

8th International Conference on Education, Network and
Information Technology

Conference Program



July 23-25, 2025

Xi' an | VooV Meeting

Introduction

8th International Conference on Education, Network and Information Technology (ICENIT 2025) will be held on July 23-25, 2025 in Xi' an, China (Online). The conference has been successfully held seven times. It has attracted hundreds of participants and become a platform for researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration.

Organization

Sponsors

Wuhan Institute of Technology

University of Haute - Alsace – France

School of Software, Nanchang Hangkong University

Key Laboratory of Jiangxi Province for Image Processing and Pattern Recognition

General Chair



Ljiljana Trajkovic

Professor, Simon Fraser University, Burnaby, British Columbia, Canada.

Research field: Communication Network, Nonlinear Circuits and Systems.

Ljiljana Trajkovic received the Dipl. Ing. degree from University of Pristina, Yugoslavia, the M.Sc. degrees in electrical engineering and computer engineering from Syracuse University, Syracuse, NY, and the Ph.D. degree in electrical engineering from University of California at Los Angeles. She is currently a professor in the School of Engineering Science, Simon Fraser University, Burnaby, British Columbia, Canada. Her research interests include communication networks and dynamical systems. Dr. Trajkovic served as IEEE Division X Delegate/Director, President of the IEEE Systems, Man, and Cybernetics Society, and President of the IEEE Circuits and Systems Society. She serves as Editor-in-Chief of the IEEE Transactions on Human-Machine Systems. She was a Distinguished Lecturer of the IEEE Circuits and System Society and a Distinguished Lecturer of the IEEE Systems, Man, and Cybernetics Society. She is a Fellow of the IEEE.

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Co- Chair



Seifedine Kadry

Professor, Lebanese American University, Beirut, Lebanon.

Research field: Data Science, Medical Imaging, Applied Mathematics.

Professor Seifedine Kadry has a Bachelor degree in 1999 from Lebanese University, MS degree in 2002 from Reims University (France) and EPFL (Lausanne), PhD in 2007 from Blaise Pascal University (France), HDR degree in 2017 from Rouen University. At present his research focuses on Data Science, education using technology, system prognostics, stochastic systems, and applied mathematics. He is an ABET program evaluator for computing, and ABET program evaluator for Engineering Tech. He is a Fellow of IET, Fellow of IETE, and Fellow of IACSIT. He is a distinguish speaker of IEEE Computer Society.



Lau Bee Theng

Professor, Swinburne University of Technology Sarawak Campus, Malaysia.

Research field: Artificial intelligence in activity recognition, natural scene text recognition, audio event detection, road accidents recognition, wafer surface defect detection, financial risks recognition, aesthetic preference of design objects etc.

Lau Bee Theng is currently a professor in ICT and the Director School of Research, Swinburne University of Technology Sarawak Campus. She has been actively contributing to

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her research areas with various edited books, peer reviewed journals, conference proceedings, masters by research and PhD completions, and funded research projects on assistive technologies for special children, facial expression recognition-based communication, social skills acquisition with animations, real time behaviour recognition, smart technologies for the visually impaired, creative art therapies for Autism, STEM education etc. In addition, she also involves actively in community services working with special education schools, NGOs for the people with visual impairment and other disabilities. She is a Senior Member of IEEE and Association of Computing Machinery, Professional Technologist (Malaysia Board of Technologist) and Certified Tester (International Software Testing Qualifications Board). She has involved actively in national and international professional bodies in the executive committees, education, professional and humanitarian projects, winner of IEEE Malaysia Outstanding Volunteer 2018 and IEEE Asia Pacific Outstanding HTA Volunteer 2021.



Vincent CS Lee

Associate Professor, Monash University, Australia.

Research field: Signal and Information Processing, Adaptive Knowledge Representation and Information Engineering, Educational Data Mining; Decision Theory, Information System Research based on Design Science Paradigm.

Vincent CS Lee is currently an Associate Professor (top Level D professorial) with the Department of Data Science and Artificial Intelligence, Faculty of IT, Monash University in Melbourne. He is an elected Fellow of The Institute of Engineers, Australia (FIEAust), a Senior Member of IEEE (USA). Lee's research and higher education teaching (developed and delivered undergraduate and postgraduate courses) span multi-disciplinary domains across IT, Digital Health, Signal and Information Processing, Financial Engineering (FinTech), Educational Data Mining (with learner-centric education

technology tools), Explainable AI, Deep ML, Computer Vision for dynamic objects tracking, and Multiagent Autonomous Systems. Lee has published 200+ papers in IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Signal Processing, IEEE Selected Areas in Communications, European Journal of Operational Research, Expert Systems with Applications, Neurocomputing, Journal of Educational Computing Research; and in CORE A/A* Peer-review International Conferences proceedings (AAAI, IJCAI, ICDM, ICWS, ICDE, PAKDD, CIKM, WWW, IEEE IC Signal Processing, IC-EDM). Lee also served as invited keynote speakers for a number of these IEEE and ACM Flagship conferences and General Chair. He is an Associate Editor for Journal of Intelligent Manufacturing (Springer, SCImago Journal Rank Best Quartile Q1).

Academic Committee Chair

Jingsha He, Beijing University of Technology, China

Academic Committee

Abdulkadir kabadayi, Necmettin Erbakan University, Turkey

A.B Feroz khan, Syed Hameedha Arts and Science College, India

Alankrita Aggarwal, Chandigarh University, India

Ana Fernández-Guillamón, Universidad Politécnica de Cartagena, Spain

Andrew Csizmadia, Birmingham City University, UK

Antonio Sarasa Cabezuelo, Complutense University of Madrid, Spain

Aras BOZKURT, Anadolu University, Turkey

Ayse Tarhan, Cyprus International University, Turkey

Boddu Raja Sarath Kumar, Raghu Engineering College, India

Boris Andrievsky, St. Petersburg State University, Russia

Cheng Ye, Vanderbilt University Medical Center, USA

Daehee Seo, Sangmyung University, South Korea


Dilbag Singh, Gwangju Institute of Science and Technology, South Korea

Dilip Kumar Pratihari, Indian Institute of Technology Kharagpur, India

Dimitrios A. Karras, National and Kapodistrian University of Athens, Greece

Dimitris Kanellopoulos, University of Patras, Greece

Flora Lau, Hong Kong Shue Yan University, China
Ganesh Davanam, Mohan Babu University, India
George K. Adam, University of Thessaly, Greece
Grigorios N. Beligiannis, University of Patras - Agrinio Campus, Greece
Gyu Myoung Lee, Liverpool John Moores University, UK
Hamed Taherdoost, University Canada West, Canada
Hanaa Ouda Khadri, Ain Shams University, Egypt
June Tay, Singapore University of Social Sciences, Singapore
Karan Khanna, Coupang, USA
Loc Nguyen, Loc Nguyen's Academic Network, Vietnam
Lorna Uden, The University of Staffordshire, UK
Luisa Maria Arvide Cambra, University of Almeria, Spain
Lu Leng, Nanchang Hangkong University, China
Marta de Oliveira Rodrigues, University of Porto, Portugal
Michele Biasutti, University of Padova, Italy
Mohammad Faisal, University of Malakand, Pakistan
M Shamim Kaiser, Jahangirnagar University, Bangladesh
Muhammad Firoz Mridha, American International University-Bangladesh, Bangladesh
Muhammad Mujtaba Asad, Sukkur IBA University, Pakistan
Nancy Mead, Carnegie Mellon University, USA
Nastaran Zanjani, Refah University College, Iran
Nebojsa Bacanin, Singidunum University, Serbia
Neil Gordon, University of Hull, UK
Omer K. Jasim Mohammad, University of Fallujah (Headquarter), Iraq
Prathamesh Churi, NMIMS University, India
Samson D. Fabiyi, University of Leeds, UK
Shashikant Patil, Atlas SkillTech University, India
Siu-lun Lee, The Chinese University of Hong Kong, China
Smain Femmam, University of Haute-Alsace, France
Sohail S. Sandhu, Public Strat Organization, Pakistan



Songmei Yu, Felician University, USA

Stamatios Papadakis, University of Crete, Greece

Subhadip Kumar, Canadian Pacific Kansas City Ltd., Canada

Vladan Devedzic, University of Belgrade, Serbia

Wanwan Li, The University of Tulsa, USA

Xiangjie Kong, Zhejiang University of Technology, China

Ylber Limani, University for Business and Technology, Kosovo

Yu-Mei Wang, University of Alabama at Birmingham, USA

Yu-Wang Chen, The University of Manchester, UK

Keynote Speaker



Ljiljana Trajkovic

Professor, Simon Fraser University, Burnaby, British Columbia, Canada.

Research field: Communication Network, Nonlinear Circuits and Systems.

Ljiljana Trajkovic received the Dipl. Ing. degree from University of Pristina, Yugoslavia, the M.Sc. degrees in electrical engineering and computer engineering from Syracuse University, Syracuse, NY, and the Ph.D. degree in electrical engineering from University of California at Los Angeles. She is currently a professor in the School of Engineering Science, Simon Fraser University, Burnaby, British Columbia, Canada. Her research interests include communication networks and dynamical systems. Dr. Trajkovic served as IEEE Division X Delegate/Director, President of the IEEE Systems, Man, and Cybernetics Society, and President of the IEEE Circuits and Systems Society. She serves as Editor-in-Chief of the IEEE Transactions on Human-Machine Systems. She was a Distinguished Lecturer of the IEEE Circuits and System Society and a Distinguished Lecturer of the IEEE Systems, Man, and Cybernetics Society. She is a Fellow of the IEEE.



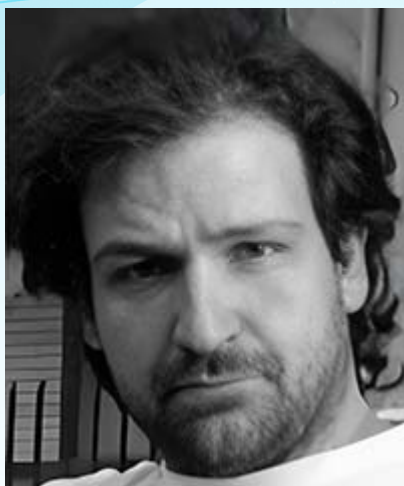
Pascal Lorenz

Professor, University of Haute-Alsace, France.

Research field: QoS; Wireless Networks and High-speed Networks.

Pascal Lorenz is a professor at the University of Haute-Alsace, France, since 1995. His research interests include QoS, wireless networks and high-speed networks.

He is the author/co-author of 3 books, 3 patents and 200 international publications in refereed journals and conferences. He was Technical Editor of the IEEE Communications Magazine Editorial Board (2000-2006), IEEE Networks Magazine since 2015, IEEE Transactions on Vehicular Technology since 2017, Chair of IEEE ComSoc France (2014-2020), Financial chair of IEEE France (2017-2022), Chair of Vertical Issues in Communication Systems Technical Committee Cluster (2008-2009), Chair of the Communications Systems Integration and Modeling Technical Committee (2003-2009), Chair of the Communications Software Technical Committee (2008-2010) and Chair of the Technical Committee on Information Infrastructure and Networking (2016-2017), Chair of IEEE/ComSoc Satellite and Space Communications Technical (2022-2023), IEEE R8 Finance Committee (2022-2023), IEEE R8 Conference Coordination Committee (2023). He has served as Co-Guest Editor for special issues of IEEE Communications Magazine, Networks Magazine, Wireless Communications Magazine, Telecommunications Systems and LNCS. He is associate Editor for International Journal of Communication Systems (IJCS-Wiley), Journal on Security and Communication Networks (SCN-Wiley) and International Journal of Business Data Communications and Networking, Journal of Network and Computer Applications (JNCA-Elsevier). He is senior member of the IEEE, IARIA fellow and member of many international program committees. He has organized many conferences, chaired several technical sessions and gave tutorials at major international conferences. He was IEEE ComSoc Distinguished Lecturer Tour during 2013-2014.

**Danilo Avola**

Assistant Professor, Sapienza University of Rome, Italy.

Research field: Computer Vision; Image/ Video Processing; Human Computer Interaction; Wi-Fi Signal Processing; Egg Signal Processing; Machine/ Deep Learning; Multimodal Systems; Pattern Recognition; Event/ Action/ Affect Recognition; Action; Scene Understanding.

Danilo Avola earned his Ph.D. degree in Molecular and Ultrastructural Imaging from University of L'Aquila, L'Aquila, Italy, in 2014. Since 2021 he is Assistant Professor at the Department of Computer Science of Sapienza University of Rome, where he leads both the Robotics Vision and Artificial Intelligence Laboratory (TITAN Lab) and the Computer Vision Laboratory (VisionLab). In addition, since 2018 he is R&D Senior Engineer at the W•SENSE s.r.l., a spin-off of Sapienza University of Rome, where he leads the Computer Vision Team (CVT), and since 2010 he provides consultation and collaboration to companies engaged in computer science, computer vision, and artificial intelligence research projects. In addition, he is Associate Editor and Guest Editor of different ranked International Journals. His research interests include Computer Vision, Image/Video Processing, Human Computer Interaction, Wi-Fi Signal Processing, EGG Signal Processing, Machine/Deep Learning, Multimodal Systems, Pattern Recognition, Event/Action/Affect Recognition, Action, Scene Understanding, Body Language and Face Expression Interpretation, Robotics (UAVs, AUVs, ROVs, Humanoids), and has published around 100 papers on these topics. Since 2011, Danilo Avola is member of IAPR, CVPL, and IEEE.



Vincent CS Lee

Associate Professor, Monash University, Australia.

Research field: Signal and Information Processing, Adaptive Knowledge Representation and Information Engineering, Educational Data Mining; Decision Theory, Information System Research based on Design Science Paradigm.

Vincent CS Lee is currently an Associate Professor (top Level D professorial) with the Department of Data Science and Artificial Intelligence, Faculty of IT, Monash University in Melbourne. He is an elected Fellow of The Institute of Engineers, Australia (FIEAust), a Senior Member of IEEE (USA). Lee's research and higher education teaching (developed and delivered undergraduate and postgraduate courses) span multi-disciplinary domains across IT, Digital Health, Signal and Information Processing, Financial Engineering (FinTech), Educational Data Mining (with learner-centric education technology tools), Explainable AI, Deep ML, Computer Vision for dynamic objects tracking, and Multiagent Autonomous Systems. Lee has published 200+ papers in IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Signal Processing, IEEE Selected Areas in Communications, European Journal of Operational Research, Expert Systems with Applications, Neurocomputing, Journal of Educational Computing Research; and in CORE A/A* Peer-review International Conferences proceedings (AAAI, IJCAI, ICDM, ICWS, ICDE, PAKDD, CIKM, WWW, IEEE IC Signal Processing, IC-EDM). Lee also served as invited keynote speakers for a number of these IEEE and ACM Flagship conferences and General Chair. He is an Associate Editor for Journal of Intelligent Manufacturing (Springer, SCImago Journal Rank Best Quartile Q1).



Neil Gordon

Professor, University of Hull, UK.

Research field: Finite Geometry and Applications; HCI, Gamification and Computer-based Instruction; Computer Algebra; Safety and Reliability Analysis; Telehealth; Technology Enhanced Learning and Information Systems. Neil is a Professor in Computer Science, a National Teaching Fellow, and a Principal Fellow of AdvanceHE.

He has produced a number of reports for AdvanceHE, in particular on how technology enhanced learning can enable flexible pedagogy, on the role of assessment in education, and on ways to address issues in retention and attainment in computing education. His research interests include applications of computer science to enable true technology enhanced learning, issues around sustainable development, as well as more discipline specific work on applications of computer algebra and formal methods.

**Vladan Devedzic**

Professor, University of Belgrade, Serbia.

Research field: Artificial Intelligence; Programming Education; Software Engineering; Intelligent Software Systems; Technology-Enhanced Learning (TEL).

Vladan Devedzic is a Professor of Computer Science and Software Engineering at the University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia. He also used to teach several Computer Science and software Engineering courses at other universities, including University of Canterbury, New Zealand. Since 2021, he is a Corresponding Member of the Serbian Academy of Sciences and Arts (SASA). He is the founder and the chair of the GOOD OLD AI research network. He is also the founder of the Artificial Intelligence Laboratory at his home faculty. Vladan Devedzic has authored/co-authored more than 380 research papers, published in international and national journals or presented at international and national conferences, as well as six books on intelligent systems and software engineering. So far, he has given more than 20 Keynote and Plenary talks at international conferences, as well as more than 20 tutorials. His long-term professional objective is to bring close together ideas from the broad fields of Artificial Intelligence/ Intelligent Systems and Software Engineering.



Xiangjie Kong

Professor, Zhejiang University of Technology, China.

Research field: Big Data; Network Science and Computational Social Science.

Dr. Xiangjie Kong is currently a Full Professor in the College of Computer Science & Technology, Zhejiang University of Technology (ZJUT), China. Previously, he was an Associate Professor in School of Software, Dalian University of Technology (DUT), China, where he was the Head of the Department of Cyber Engineering. He is the Founding Director of City Science of Social Computing Lab (The CSSC Lab). He is/was on the Editorial Boards of 6 International journals. He has served as the General Co-Chair, Workshop Chair, Publicity Chair or Program Committee Member of over 30 conferences. Dr. Kong has authored/co-authored over 140 scientific papers in international journals and conferences. His research has been reported by Nature Index and other medias. He has been invited as Reviewers for numerous prestigious journals. Dr. Kong has authored/co-authored three books (in Chinese). He has contributed to the development of 14 copyrighted software systems and 20 filed patents. He is named in the 2019 and 2020 world's top 2% of Scientists List published by Stanford University. Dr. Kong received IEEE Vehicular Technology Society 2020 Best Land Transportation Paper Award, and The Natural Science Fund of Zhejiang Province for Distinguished Young Scholars. He has been invited as Keynote Speaker at 2 international conferences, and delivered a number of Invited Talks at international conferences and many universities worldwide. His research interests include big data, network science, and computational social science. He is a Distinguished Member of CCF, a Senior Member of IEEE, a Full Member of Sigma Xi, and a Member of ACM.



Boddu Raja Sarath Kumar

Professor, Raghu Engineering College, India.

Research field: Machine Learning; Big Data.

Prof. Raja Sarath Kumar Boddu is working as a professor at the Faculty of Computer Science and Engineering, Raghu Engineering College, Visakhapatnam, India, with 25 years of experience in Engineering Education. Dr. Boddu has travelled to several countries on research, and as part of that, He has been invited to the Engineering Leaders Conference on Engineering Education, which was held in Doha, organised by Texas A&M University. Dr. Boddu has authored five books, twenty-three book chapters and invented seven patents on Computer Science and published Ninety-two Research papers so far. Dr. Boddu is a Fellow of IEI(India), a Senior Member of IEEE and ACM, and a Life Member of IETE, ISCA, and CSI. So far, Dr. Boddu has reviewed over a hundred research papers and is still a reviewer for IEEE, Springer, Hindawi and Scopus journals.

Program

Date	Time	Item	Below time marked is Beijing Time: UTC/GMT+8
July 24, 2025 (Thursday)		Topic: ICENIT 2025 Online Venue: VooV Meeting (https://voovmeeting.com/) Meeting Room Link: https://meeting.tencent.com/dm/dj1fFvcpCaQp Meeting Room ID: 985-323-958	
		Opening	
	14:00-14:10	Welcome Speech from Seifedine Kadry, Professor, Lebanese American University, Lebanon.	
		Keynote Speech	
	14:10-14:40	Speaker 1: Ljiljana Trajković, Professor, Simon Fraser University, Canada	
	14:40-15:10	Speaker 2: Pascal Lorenz, Professor, University of Haute-Alsace, France	
	15:10-15:40	Speaker 3: Neil Gordon, Professor, University of Hull, UK	
	15:40-16:10	Speaker 4: Vladan Devedzic, Professor, University of Belgrade, Serbia	
	16:10-16:40	Speaker 5: Boddu Raja Sarath Kumar, Professor, Raghu Engineering College, India	
	16:40-17:10	Speaker 6: Vincent CS Lee, Associate Professor, Monash University, Australia	
	17:10-17:40	Speaker 7: Danilo Avola, Assistant Professor, Sapienza University of Rome, Italy	
July 25, 2025 (Friday)	17:40-18:30	Oral Presentation	
	09:00-12:00	Oral Presentation	
	12:00	Closing	