

Special Session 6: AI for Next Generation Intelligent Services

Chairs: Wei Wang, Shenzhen MSU-BIT University, China

**Arun Kumar Sangaiah, National Yunlin University of Science and Technology,
Taiwan**

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Brief Description of the Session

The special session on "AI for Next Generation Intelligent Services" aims to explore cutting-edge advancements in artificial intelligence that are driving the evolution of intelligent services across various sectors. This session will bring together researchers, practitioners, and industry experts to discuss innovative AI methodologies, frameworks, and applications that are reshaping service delivery in areas such as healthcare, finance, education, transportation, and beyond. Attendees will gain insights into the latest AI techniques, including machine learning, natural language processing, and multi-modal data fusion, that are enabling more personalized, efficient, and adaptive services. The session will also highlight the challenges and opportunities associated with deploying AI-driven services in real-world environments, addressing issues such as scalability, security, and ethical considerations.

Topics

1. AI-Driven Service Personalization and Customization
2. Scalable AI Architectures for Intelligent Service Delivery
3. Natural Language Processing and Conversational AI for Service Automation
4. Multi-modal Data Fusion for Enhanced Service Experiences
5. AI in Healthcare: Personalized Medicine and Predictive Analytics
6. Autonomous Systems and Intelligent Service Robots
7. AI for Financial Services: Fraud Detection, Risk Management, and Beyond
8. Ethical and Responsible AI in Intelligent Services
9. Real-time Emotion Recognition and Adaptation in AI Services
10. AI for Smart Cities: Transportation, Energy Management, and Public Services

Brief Introduction of Chair and Co-chairs with Photo



Dr. Wei Wang is currently a Full Professor and Vice Director of Guangdong-Hong Kong-Macao Joint Laboratory for Emotion Intelligence and Pervasive Computing at Artificial Intelligence Research Institute, Shenzhen MSU-BIT University, Shenzhen, China. He had been an Associate Professor with the School of Intelligent Systems, Sun Yat-sen University, China from 2019 to 2022. He had been the UM Macao Research Fellow at the University of Macau, Macau SAR. He received his Ph.D. in Software Engineering from Dalian University of Technology in 2018. His research interests include Medical Artificial Intelligence, Mobile Health Monitoring, and Health Big Data Analytics. He has authored/co-authored more than 100 scientific papers in top-tier international journals and conferences, such as IEEE JSAC, TITS, TNNLS, TKDD, AAAI, and ACM MM. He is the Editor in Chief of Chinese Computer Sciences Review, Leading Guest Editor of IEEE TCSS, JBHI, TCE, and the Guest Editor of ACM TOIT. He is a Program Co-Chair of IEEE SmartIoT 2024 and EAI QSHINE 2023, Track Chair of IEEE SmartIoT 2019&2020, PC member of ACM MM, IJCAI, and AAAI, and a regular reviewer of extensive top-tier field journals and conferences, such as IEEE TII, TBD, IoTJ, IJCAI, and WWW. He has an h-index of 32 and 3500+ citations (last five years) based on Google Scholar. He is on the list of Stanford/Elsevier's Top 2% Scientist 2022&2023.



Prof. Arun Kumar Sangaiah received his Ph.D. from School of Computer Science and Engineering, VIT University, Vellore, India. He is currently a Full Professor with National Yunlin University of Science and Technology, Taiwan. He has published more than 300 research articles in refereed journals (IEEE TII, IEEE TITS, IEEE TNSE, IEEE TETCI, IEEE SysJ, IEEE SensJ, IEEE IOTJ, ACM TOSN) 11 edited books, as well as 1 patents (held and filed) and 3 projects, among one funded by National Science and Technology Council (NSTC), Taiwan, Ministry of IT of India and few international projects (CAS, Guangdong Research fund, Australian Research Council) cost worth of 500000 USD. Dr. Sangaiah has received many awards, Yushan Young Scholar, Clarivate Highly Cited Researcher (2021,2022 & 2023), Top 2% Scientist (Standord Report-2020,2021,2022), PIFI-CAS fellowship, Top-10 outstanding researcher, CSI significant Contributor etc. Also, he is responsible for Editor-in-Chief, and Associate Editor of various reputed ISI journals. Dr. Sangaiah is a visiting scientist (2018-2019) with Chinese Academy of Sciences (CAS), China and visiting researcher of Université Paris-Est (UPEC), France (2019-2020) and etc. His Google Scholar Citations reached 23000+ with h-index: 88 and i10-index: 298.



Thippa Reddy Gadekallu (Senior Member, IEEE) received the bachelor's degree in computer science and engineering from Nagarjuna University, India, in 2003, the master's degree in computer science and engineering from Anna University, Chennai, Tamil Nadu, India, in 2011, and the Ph.D. degree from Vellore Institute of Technology, Vellore, Tamil Nadu, in 2017. He is currently with the Division of Research and Development, Lovely Professional University, Phagwara, India, the Department of Electrical and Computer Engineering, Lebanese American University, Byblos, Lebanon, and the Center of Research Impact and Outcome, Chitkara University, Punjab, India. He has more than 14 years of experience in teaching. He has more than 150 international/national publications in reputed journals and conferences. His research interests include machine learning, the Internet of Things, deep neural networks, blockchain, and computer vision. He is an editor of several publishers, such as Springer, Hindawi, Plosone, Scientific Reports (Nature), and Wiley. He also acted as a guest editor in several reputed publishers, such as IEEE, Elsevier, Springer, Hindawi, and MDPI. He was recently recognized as one among the top 2% scientists in the world as per the survey conducted by Elsevier, in 2021.