IEEE GLOBECOM 2024

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CALL FOR PAPERS

Intelligent Communications for Shared Prosperity

SAC Symposium: Big Data

Co-Chair

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Scope and Motivation

Network Management. Machine learning models for big data analytics, Deep learning models and techniques, QoS and QoE for Big data analytics, AR/VR/MR big data applications, Multimedia big data analytics, Security and privacy for big data analytics, Digital Twins for big data analytics, Statistical analysis for big data analytics, Performance evaluation metrics for big data analytics, Big data analytics for smart grid, Big data analytics for cloud and grid computing, Blockchain and access control for big data analytics, control and data management for big data analytics

Topics of Interest

Original research articles are solicited in, but not limited to, the following topics:

Big Data analytics
    Machine learning models
    Deep learning models
    Large language models
    Prediction and error control
    Federated learning
    Statistical learning
    Performance evaluation of ML/DL models
    QoS and QoE for big data analytics

Cloud and edge computing
    Data storage techniques
    Data deduplication
    Data sharing techniques
    Network management for big data analytics
    5G and 6G applications
    AI generative contents
    Digital twins

Security and privacy
    Access control for big data analytics
    Blockchain technology for big data analytics

Distributed shared ledgers for big data analytics
Cryptographic primitives for big data analytics

Digital signatures

Multimedia Big Data Applications
Image segmentation
Multimedia big data analytics
QoS and QoE for multimedia big data analytics
Video quality assessment and impairment concealment
AR/VR/MR applications
Generative AI applications
Metaverse applications

Biography of the Co-Chair

Jiawen Kang is a Full Professor at Guangdong University of Technology. He has been a postdoc at Nanyang Technological University, Singapore from 2018 to 2021. His research interests mainly focus on machine learning, blockchain, metaverse, edge intelligence, etc. He has published more than 160 research papers in leading journals and flagship conferences including 12 ESI highly cited papers and 3 ESI hot papers. He is the co-inventor of 16 granted patents and has won IEEE VTS Best Paper Award, IEEE Communications Society CSIM Technical Committee Best Journal Paper Award, IEEE Best Land Transportation Paper Award, IEEE HITC Award for Excellence in Hyper-Intelligence Systems (Early Career Researcher award), and the IEEE Computer Society Smart Computing Special Technical Community Early-Career Award. He received 13 best paper awards of international conferences as well. He is an IEEE Senior Member and is listed in the World's Top 2% of Scientists identified by Stanford University. He has served as the editors or guest editors for 13 leading journals including IEEE Communications Surveys & Tutorials, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Cognitive Communications and Networking, IEEE Transactions on Vehicular Technology, IEEE Transactions on Network Science and Engineering, IEEE Systems Journal, and IEEE Networking Letter, and has also severed as the Co-chairs of ICDCS, IEEE WCNC, IEEE ICC, IEEE Globecom, IEEE EUC, IEEE things, IEEE HPCC, WCSP, etc. He received the IEEE Outstanding Leadership Award for 2022 EUC Conference (Program Chair) and IEEE Distinguished Services Award for 16th IEEE iThings Conference (Program Chair). He is a vice-chair of IEEE Technical Committee on Cognitive Networks Special Interest Group on "Wireless Blockchain Networks".

How to Submit a Paper

All papers for technical symposia should be submitted via EDAS. Full instructions on how to submit papers and important deadlines are posted at https://globecom2024.ieee-globecom.org/