

IEEE GLOBECOM 2023

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CALL FOR PAPERS

Intelligent Communications for Shared Prosperity

SAC Symposium: Big Data

Co-Chair

- Neeraj Kumar, Thapar University, India. <neeraj.kumar@thapar.edu>

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
- 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

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
- Digital twins

Biography of the Co-Chair

Neeraj Kumar (SMIEEE) (2019, 2020, 2021 highly-cited researcher from WoS) is working as a Full Professor in the Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology (Deemed to be University), Patiala (Pb.), India. He is also adjunct professor at King Abdul Aziz University, Jeddah, Saudi Arabia and Newcastle University, UK. He has published more than 500 technical research papers in top-cited journals and conferences which are cited more than 36000 times from well-known researchers across the globe with current h-index of 106. He has guided many research scholars leading to Ph.D. and M.E./M.Tech. His research is supported by funding from various competitive agencies across the globe. His broad research areas are Green computing and Network management, IoT, Big Data Analytics, Deep learning and cyber-security. He has also edited/authored 10 books with International/National Publishers like IET, Springer, Elsevier, CRC. He has secured research funding of around 1 Million Euro from Govt of India, and Industries in the area of smart grid, blockchain, Cyber-Security and network management. He is consultant in various industry and govt. sponsored projects in China, Saudi Arabia and Europe. He has executed various international projects in Austria, Poland, Saudi Arabia, Europe and China. He has supervised more than 15 Ph.D. and 25 M.E./M.Tech. students. He is serving as editors of ACM Computing Survey, IEEE Transactions on Sustainable Computing, IEEE TNSM, IEEE ITS, Elsevier Computer Communication, Wiley International Journal of Communication Systems. Also, he has organized various special issues of journals of repute from IEEE, Elsevier, Springer. He has been a workshop chair at IEEE Globecom 2018, IEEE Infocom 2020 and IEEE ICC 2020 and track chair of Security and privacy of IEEE MSN 2020. He is also TPC Chair and member for various International conferences such as IEEE MASS 2020, IEEE MSN2020. He has won the best papers award from IEEE Systems Journal in 2018, in 2020, and IEEE ICC 2018, Kansas-city in 2018. He has also won best paper award from Elsevier JNCA in 2021 and IEEE Comsoc IWCMC 2021. He has won the outstanding leadership award from IEEE Trsutcom in 2021.

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://globecom2023.ieee-globecom.org/>