

Results: IEEE Communications Society Big Data 2023 Awards, October 2024

1. IEEE Communications Society Big Data 2023 Distinguished Technical Achievement Award

Awardee: Albert Y. Zomaya, University of Sydney, Australia

Citation: For longstanding technical and professional contributions to sustainable big data computing

Evaluated by IEEE TCBD Distinguished Technical Achievement Award Subcommittee in 2024:

Chair: Ling Liu, Georgia Institute of Technology, USA

Members:

Mahmoud Daneshmand, Stevens Institute of Technology, USA

Jie Li, Shanghai Jiao Tong University, China, University of Tsukuba, Japan

Mohsen Guizani, Mohamed Bin Zayed University of Artificial Intelligence, UAE

Kwang-Cheng Chen, University of South Florida, USA

Approved by Technical and Educational Activities Council (TEAC) of the IEEE Communications Society in October 2024

2. IEEE Communications Society Big Data 2023 David G. Belanger Distinguished Service Award

Awardee: Jie Li, Shanghai Jiao Tong University, China

Citation: For distinguished service and leadership in big data and artificial intelligence community

Evaluated by IEEE TCBD David G. Belanger Distinguished Service Award Subcommittee in 2024:

Chair: Mahmoud Daneshmand, Stevens Institute of Technology, USA,

Members:

Shui Yu, University of Technology Sydney, Australia

Mohammad Asad Rehman Chaudhry, Borders in Globalization (University of Victoria), Canada

Danda B. Rawat, Howard University, USA

Celimuge Wu, the University of Electro-Communications, Japan

Approved by Technical and Educational Activities Council (TEAC) of the IEEE Communications Society in October 2024

3. IEEE Communications Society Big Data 2023 Outstanding Mid-Career Achievement Award

Awardee: Zhi Liu, The University of Electro-Communications, Japan

Citation: For contributions in big data driven designs of multimedia and Internet of things systems

Evaluated by IEEE TCBD Outstanding Mid-Career Achievement Award Subcommittee in 2024:

Chair: Mohsen Guizani, Mohamed Bin Zayed University of Artificial Intelligence, UAE

Members:

Mahmoud Daneshmand, Stevens Institute of Technology, USA

Jie Li, Shanghai Jiao Tong University, China, University of Tsukuba, Japan

Ling Liu, Georgia Institute of Technology, USA

Kwang-Cheng Chen, University of South Florida, USA

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4. IEEE Communications Society Big Data 2023 Best Influential Paper Awards

- **IEEE Communications Society Big Data 2023 Best Influential Journal Paper Award**

Awardee: Xiaoyan Hu, Kai-Kit Wong, Kun Yang and Zhongbin Zheng, "UAV-Assisted Relaying and Edge Computing: Scheduling and Trajectory Optimization," in IEEE Transactions on Wireless Communications, vol. 18, no. 10, pp. 4738-4752, Oct. 2019, doi: 10.1109/TWC.2019.2928539.

- **IEEE Communications Society Big Data 2023 Best Influential Survey Paper Award**

Awardee: Jinsong Wu, Song Guo, Jie Li, and Deze Zeng, "Big Data Meet Green Challenges: Greening Big Data", IEEE Systems Journal, vol. 10, no. 3, pp. 873-887, Sept. 2016, DOI: 10.1109/JSYST.2016.2550538, Date of Publication: 19 May 2016

- **IEEE Communications Society Big Data 2023 Best Influential Conference Paper Award**

Awardee: Jiawen Kang, Zehui Xiong, Dusit Niyato, Han Yu, Ying-Chang Liang, Dong In Kim, Incentive Design for Efficient Federated Learning in Mobile Networks: A Contract Theory Approach, 2019 IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS), 2019, pp. 1-5, doi: 10.1109/VTS-APWCS.2019.8851649

Evaluated by IEEE TCBD Award Subcommittee on IEEE TCBD Best Paper Awards in 2024:

Chair: Kwang-Cheng Chen, University of South Florida, USA

Shahid Mumtaz, Nottingham Trent University, UK

Danda B. Rawat, Howard University, USA

Celimuge Wu, The University of Electro-Communications, Japan

RangaRao Venkatesha Prasad, Delft University of Technology, the Netherlands

Periklis Chatzimisios, International Hellenic University, Thessaloniki, Greece

Approved by Technical and Educational Activities Council (TEAC) of the IEEE Communications Society in October 2024