



TCBD Meeting
TC on Big Data
ICC 2019, Shanghai, China
May 21, 2019

Number of participants: 47

Agenda

- 1. Welcome / Introduction**
- 2. Approval of the Agenda**
- 3. Conference issues**
- 4. Journal publication issues**
- 5. Special Interest Groups (SIGs) issues**
- 6. Standardization issues**
- 7. TCBD Awards**
- 8. Any other Business**
- 9. Next TCBD meeting**
- 10. Adjourn**

Officers (1)



Jie Li, Chair (Global and Asia Pacific)
Professor
Shanghai Jiao Tong University
China

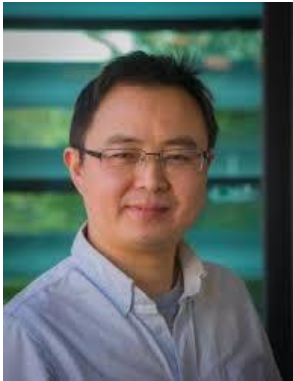


Jinsong Wu, Vice-Chair (Latin America)
Professor
University of Chile, Chile

Officers (2)



Periklis Chatzimisios, Vice-Chair
(Europe), Professor
Alexander TEI of Thessaloniki, Greece



Shui Yu, Vice-Chair (Oceania)
Professor
University of Technology Sydney, Australia

Officers (3)

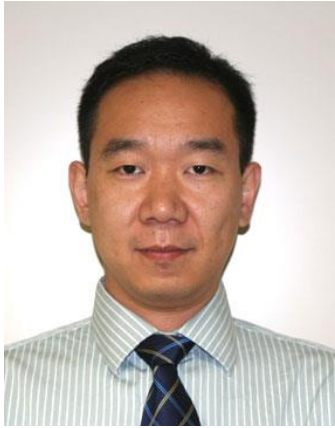


Kwang-Cheng Chen, Vice-Chair (Asia-Pacific) Professor
University of South Florida, USA



Mahmoud Daneshmand, Vice-Chair (North America) Professor
Stevens Institute of Technology, USA

Officers (4)



Song Guo, Secretary
Professor
The Hong Kong Polytechnic University
Hong Kong



Nelson Fonseca, Advisor
Professor
The State University of Campinas,
Campinas - Brazil

Officers (6)



Chi-Ming Chen
Industrial Liaison
AT&T Labs, USA



Kathy Grise
IEEE Big Data Initiative Liaison
Future Directions
IEEE Technical Activities, USA

Officers (7)



Wo Chang,

Standard Liaisons

NIST (National Institute of
Standards and Technology), USA

Activities in ComSoc Sponsored Major Conferences - Big Data Track Organization

- IEEE ICC 2019 Big Data Track in SAC Symposium
- IEEE GlobeCom 2018 Big Data Track in SAC Symposium
- IEEE ICC 2018 Big Data Track in SAC Symposium
- IEEE GlobeCom 2017 Big Data Track in SAC Symposium
- IEEE ICC 2017 Big Data Track in SAC Symposium
- IEEE GlobeCom 2016 Big Data Track in SAC Symposium



Activities in ComSoc Sponsored

Major Conferences - Workshop Organization

- IEEE ICC 2019 First International Workshop on Data Driven Intelligence for Networks and Systems (DDINS)
- IEEE INFOCOM 2019 The First International Workshop on Intelligent Cloud Computing and Networking (ICCN)
- The First International Workshop on Network Meets Intelligent Computations (NMIC) will be held with IEEE ICDCS 2019.
- The IEEE International on Knowledge Centric Networking, 2018, in conjunction with IEEE INFOCOM 2018. w.ieee-bdsta.org/infocom2016/

Activities in ComSoc Sponsored Major Conferences - Workshop Organization

- The IEEE Fourth International Workshop on Security and Privacy in Big Data (BigSecurity) 2016, 2017, in conjunction with IEEE INFOCOM 2016, 2017.
- IEEE Big Data Sciences, Technologies, and Applications (BDSTA), co-located with IEEE INFOCOM 2016 10-15 APRIL 2016, SAN FRANCISCO, CA, USA, <http://www.ieee-bdsta.org/infocom2016/>

Activities in ComSoc Sponsored Major Conferences - Workshop Organization

- The first IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT) in conjunction with IEEE GLOBECOM 2015
- The first IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT) in conjunction with IEEE GLOBECOM 2015
- The fourth IEEE International Workshop on Cloud Computing Systems, Networks, and Applications (CCSNA) in conjunction with IEEE GLOBECOM 2015

Activities in ComSoc Sponsored Major Conferences - Industry Panel Organization

- IEEE ICC 2017 Industry Panel P04. Big Data Analytics for Smart and Connected Health
- IEEE GlobeCom 2015 Industry Panel IF17: Big Data for Information and Communications Technologies

Activities in ComSoc Sponsored Major Conferences

- TSC Big Data (TSCBD) Meetings

- IEEE Globecom 2016 TSCBD meeting, December 6, 2016, Washington DC. USA.
- IEEE ICC 2016 TSCBD meeting, May 26, 2016, Kuala Lumpur, Malaysia.
- IEEE GlobeCom 2015 TSCBD meeting, December 8, 2015, San Diego, CA, USA.
- IEEE ICC 2015 TSCBD meeting, June 9, 2015, London, UK.

Activities in Technically Co-Sponsored Symposia/Workshops Organization (1)

- International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery (CyberC-2017), Najing, China , Oct. 2017.
- International Symposium on Big Data and Networking , Aizu-Wakamatsu, Japan, Feb 16-18, 2016.
- EAI International Conference on Big Data and Cyber-Physical-Social Computing, October 15-17, 2016, Nagasaki, Japan.
- 2016 IEEE International Conference on Smart Data, Dec. 2016.
- 2016 International Workshop on Data Science and Engineering (DSE) in conjunction with the International Conference on Parallel Processing (ICPP 2016).

Activities in Technically Co-Sponsored Symposia/Workshops Organization (2)

- IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2018), Athena, Greece, August 6-10, 2018.
- **More**
- IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2017), Florida USA, November 6-10, 2017.
- IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2016), Auckland, New Zealand, August 8-12, 2016. <http://grid.chu.edu.tw/datacom2016>
- Social Networks and Big Data Symposium, IEEE/CIC International Conference on Communications, 27-29 July 2016, Chengdu, China <http://iccc2016.ieee-iccc.org//>

Activities in Technically Co-Sponsored Symposia/Workshops (1)

- Invited Keynote Speaker, "Global Green Challenges Meet Information and Communication Technologies as well as Big Data", International Conference on Advancement of Computer Communication & Electrical Technology (ACCET), October 2016
- - Invited Keynote Speaker, "Global Green Challenges Meet Big Data Era", International Conference on Advances in Computing, Communications and Informatics (ICACCI), September 2016
- - Invited Keynote Speaker, "The Relevance of Green Revolution to Information and Communication Technologies as well as Big Data", IEEE Latin-American Conference on Communications, Arequipa, Peru, Nov. 2015

Activities in Technically Co-Sponsored Symposia/Workshops (2)

- Panelist, IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom), August 2016
- Keynote, IEEE DataCom, August 2016
- Keynote, IEEE International Conference on Sustainable Computing and Communications (IEEE SustainCom), December 2015

Publication Activities

- Supported Journal

- International Journal of Big Data Intelligence (IJBDI)
- IEEE Transactions on Big Data

Publication Activities

- Special Issues Organization

- IEEE Network Magazine SI on Big Data Intelligent Networking 2020
- IEEE Computational Intelligence Magazine Special Issue on Computational Intelligence for Internet of Things in the Big Data Era, 2019
- IEEE Trans. on Network Science and Engineering Special Issue - Big Data and Artificial Intelligence for Network Technologies, 2018
- IEEE Trans. on Big Data Special Issue - Wireless Big Data, 2017
- Journal of Digital Communications and Networks (Elsevier), Special Issue on Big Data Security and Privacy, 2017

Publication Activities

- Special Issues Organization

- Journal of Future Generation Computer Systems, Special Issue on Social Networking Big Data Opportunities, Solutions, and Challenges, 2016.
- IEEE Assess Special Section on Theoretical Foundations for Big Data Applications: Challenges and Opportunities, 2016
- IEEE Access Special Section on Big Data for Green Communications and Computing, 2016
- IEEE JSAC ETC Special Issue - Big Data Area, 2016
- IEEE Network Magazine Special Issue on Big Data for Networking, 2015

Activities with IEEE-related chapters/societies

- Collaboration with **IEEE Big Data Initiative (BDI)** in Big Data Standardization and other related activities. 2014-2017
- Collaboration with **IEEE Big Data Community (BDC)**. 2018--

SIGs (Special Interest Groups)

- Big Data for Cyber Security and Privacy
- Big Data with Computational Intelligence
- Big Data for Healthcare, Medicine and Biology
- Wireless Big Data
- **Others**

TCBD Distinguished Technical Achievement Recognition Awards



- **Prof. Wei Zhao: For his outstanding technical leadership and achievement in big data and applications**



- **Prof. David Belanger: For his outstanding technical leadership and achievement in big data and applications**

TCBD Best Journal Paper Award

- **Zhenhua Chen, Jielong Xu, Jian Tang, Kevin A. Kwiat, Charles Alexandre Kamhoua, Chonggang Wang, "GPU-accelerated high-throughput online stream data processing," IEEE Transactions on Big Data, Vol. 4, No. 2, pp. 191-202, June 2018.**

TCBD Best Conference Paper Award

- **Chenhan Xu, Kun Wang, Guoliang Xu, Peng Li, Song Guo, Jiangtao Luo, "Making Big Data Open in Collaborative Edges: A Blockchain-Based Framework with Reduced Resource Requirements," Proc. IEEE ICC 2018, Kansas City, MO, USA, May 2018.**

Other Issues

- **Best reading in Big Data**
- **News letter**

Web site and Membership

- Office web site
 - <http://www.comsoc.org/committees/technical-committee/big-data>
 - **Membership**
 - TCBD memberships give their members the opportunities:
 - To network with technical experts in related fields
 - To contribute to the activities in TCBD
 - To post messages to the TCBD mailing list

Email List

- You must be an official member of TCBD (instead of just a subscriber of TCBD mailing list) in order to be able to send or post messages to the official TCBD mailing list: tcbd@comsoc.org.
- To add yourself to or remove yourself from the TCBD mailing list, please go to <http://www.comsoc.org/committees/technical-committee/big-data>

Research work on Big Data



Next meeting

- IEEE GlobeCom 2019, Waikoloa, HI, USA, 9-13
December 2019

Comments?
Suggestion?

Thank you for
your participation