TCBD Meeting
TC on Big Data
GC 2019, HI, USA
December 10, 2019

Number of participants: 45
Agenda

1. Welcome / Introduction
2. Approval of the Agenda
3. Approval of TCBD P&P
4. Conference issues
5. Journal publication issues
6. Special Interest Groups (SIGs) issues
7. Standardization issues
8. TCBD Awards
9. Other Business
10. Next TCBD meeting
11. 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

Zhi Liu, Web Chair
Professor
Shizuoka University
Japan
Officers (6)

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

Chi-Ming Chen
Industrial Liaison
AT&T Labs, USA
Officers (7)

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

Wo Chang,
Standard Liaisons
NIST (National Institute of Standards and Technology), USA
Activities in ComSoc Sponsored Major Conferences - Big Data Track Organization

- IEEE GC 2019 Big Data Track in SAC Symposium
- IEEE ICC 2019 Big Data Track in SAC Symposium
- IEEE GC 2018 Big Data Track in SAC Symposium
- IEEE ICC 2018 Big Data Track in SAC Symposium
- IEEE GC 2017 Big Data Track in SAC Symposium
- IEEE ICC 2017 Big Data Track in SAC Symposium
- IEEE GC 2016 Big Data Track in SAC Symposium
Activities in ComSoc Sponsored Major Conferences - Workshop Organization

- IEEE INFOCOM 2020 ICCN (Intelligent Cloud Computing and Network) workshop
- IEEE GlobeCom Workshop on Computational Intelligence and Big Data Towards Trustworthy IoT, Dec. 2019.
- IEEE ICC 2019 First International Workshop on Data Driven Intelligence for Networks and Systems (DDINS)
Activities in ComSoc Sponsored Major Conferences - Workshop Organization

• IEEE INFOCOM 2019 The First International Workshop on Intelligent Cloud Computing and Networking (ICCN)

• IEEE/CIC International Conference on Communications Workshop on 5G Meets AI/ML: data-driven connectivity, computing and control, August 2019.

• 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


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- The first IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT) in conjunction with IEEE GlobeCom 2015
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- 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 GlobeCom 2015 TSCBD meeting, December 8, 2015, San Diego, CA, USA.
Activities in Technically Co-Sponsored Symposia/Workshops Organization

• IEEE ICDCS 2019 NMIC (Network Meets Intelligent Computations) workshop
• EURASIP Journal on Wireless Communications and Networking Special Issue on Evolutional Trends of Intelligent IoT in 5G Era
• IEEE Transactions on Network Science and Engineering Special Issue on Smart Systems and Intelligent Networking Powered with Big Data Analytics
• IEEE Infocom 2020 DDINS (Data Driven Intelligence for Networks and Systems) workshop
Activities in Technically Co-Sponsored Symposia/Workshops Organization

• International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery (CyberC-2017), Najing, China, Oct. 2017.


• EAI International Conference on Big Data and Cyber-Physical-Social Computing, October 15-17, 2016, Nagasaki, Japan.


• 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

• IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2018), Athena, Greece, August 6-10, 2018.

• IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2017), Florida USA, November 6-10, 2017.


• 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

• 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

• Panelist, IEEE International Conference on Big Data Intelligence and Computating (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


Publication Activities
- Special Issues Organization

• 2020 Wiley Transactions on Emerging Telecommunications Technologies (ETT) Special Issue on Intelligent Cloud Computing and Networking

• 2020 IEEE Network Magazine Special Issue on Big Data Intelligent Networking

• IEEE Computational Intelligence Magazine Special Issue on “Computational Intelligence for Internet of Things in the Big Data Era (Part I),” Nov 2019. (in press)

• IEEE Computational Intelligence Magazine Special Issue on “Computational Intelligence for Internet of Things in the Big Data Era (Part II),” IEEE Computational Intelligence Magazine, Feb 2020. (in press)

• IEEE Transactions on Emerging Topics in Computational Intelligence Special Issue on "Big Data and Computational Intelligence for Agile Wireless IoT", (in press)
Publication Activities
- Special Issues Organization

- 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

- 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 Community (BDC). 2018--

• Collaboration with IEEE Big Data Initiative (BDI) in Big Data Standardization and other related activities. 2014-2017
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. Yuanyuan Yang: For her outstanding technical leadership and achievement in big data and applications
TCBD Best Journal Paper Award

TCBD Best Conference Paper Award

Other Issues

• Best reading in Big Data
• News letter
Web site and Membership

• Office web site
  – https://www.comsoc.org/about/committees/technical-committees/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 ICC 2020, Dublin, Ireland, 7-11 June 2020
Comments?
Suggestion?
Thank you for your participation