TCBD Meeting
TC on Big Data

ICC 2018, Kansas City
May 22, 2018

Number of participants: 51
Agenda

1. Welcome / Introduction
2. Approval of the Agenda
3. Approval of the GC 2017 TSBD meeting minutes
4. Conference issues
5. Journal publication issues
6. Special Interest Groups (SIGs) issues
7. Standardization issues
8. TCBD Awards
9. Any other Business
10. Next TCBD meeting
11. Adjourn
Officers (1)

Jie Li, Chair (Global and Asia Pacific)
Professor, Faculty of Engineering, Information and Systems
University of Tsukuba, Japan.

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, Deakin University, Victoria, Australia
Officers (3)

Kwang-Cheng Chen, Vice-Chair (Asia)  
Distinguished Professor and Associate Dean for academic affairs, College of Electrical Engineering and Computer Science  
National Taiwan University

Mahmoud Daneshmand, Vice-Chair (North America)  
Industry Professor, Business Intelligence & Analytics  
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 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 (1)

• The IEEE International on Knowledge Centric Networking, 2018, in conjunction with IEEE INFOCOM 2018.


• The first IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT) in conjunction with IEEE GLOBECOM 2015
Activities in ComSoc Sponsored Major Conferences - Workshop Organization (2)

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

- 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.
- 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 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

• 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 Initiative (BDI) in Big Data Standardization and other related activities. 2014-2017

• Collaboration with IEEE Big Data Community (BDC). 2018--
SIGs (Special Interest Groups)

- Wireless Big Data proposed by Prof. Yang Yang, Shanghai Institute of Microsystem and Information Technology, China
- Big Data for Cyber Security and Privacy proposed by Prof. Longzhi Yang, Northumbria University, UK
- Big Data with Computational Intelligence proposed by Prof. Celimuge Wu, The University of Electro-Communications, Japan
- IEEE SIG on Big Data for Healthcare, Medicine and Biology
- Others
Other Issues

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

• Office web site

  – 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
Introductions
- Research work on Big Data

• .......
Research work on Big Data
Next meeting

- IEEE GC 2018, Abu Dhabi, UAE, 9-13 December, 2018
Comments?
Suggestion?
Thank you for your participation