



**TCBD Meeting**  
**TC on Big Data**  
**GC 2017, Singapore**  
**December 6, 2017**

Jie Li, University of Tsukuba, Japan

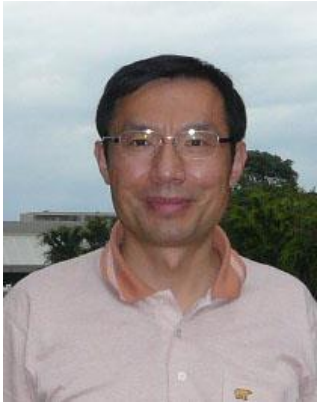
Number of participants: 39

# Agenda

- 1. Welcome / Introduction**
- 2. Approval of the Agenda**
- 3. Approval of the ICC 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)

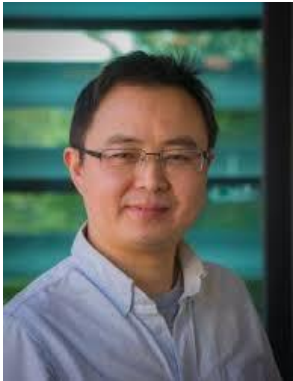
Professor, University of Chile

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

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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

## Major Conferences -

### Workshop Organization (1)

- The IEEE International on Knowledge Centric Networking, 2018, in conjunction with IEEE INFOCOM 2018.
- 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 201610-15 APRIL 2016, SAN FRANCISCO, CA, USA, <http://www.ieee-bdsta.org/infocom2016/>
- 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.
- 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.
- 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 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)

- 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**

# TCBD Awards

1. **TCBD Distinguished Technical Achievement Recognition Awards**
2. **TCBD Best Journal Papers Award**
3. **TCBD Best Conference Papers Awards**



# TCBD Distinguished Technical Achievement Recognition Awards



- **Prof. Qiang Yang: For his outstanding technical leadership and achievement in big data and machine learning**



- **Dr. Eitan Altman, For his outstanding technical leadership and achievement in stochastic modeling and big data analysis**

# TCBD Best Journal Papers Award

- **Zheng Yan, Wenxiu Ding, Xixun Yu, Haiqi Zhu, Robert H. Deng, "Deduplication on Encrypted Big Data in Cloud", IEEE Transactions on Big Data, vol.2, no.2, pp. 138-150, July 2016.**

# TCBD Best Conference Papers Awards

- **Zhifang Liao, HaoZhi Jin, YiFan Li and Benhong Zhao, Jinsong Wu, Shengzong Liu, "DevRank: Mining Influential Developers In Github," Proc. IEEE GC 2017, Singapore, December 2017.**

# 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](mailto: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

- **Prof. Lingyang Song, Peking University**
- **Prof. Robert Deng, Singapore Management University**

# Next meeting

- IEEE ICC 2018, Kansas City, MO, USA, 20-14  
May, 2018



Comments?  
Suggestion?

**Thank you for  
your participation**

# Addresses

