IEEE computer society

TCCC
Technical Committee on Computer Communications

| March 2019 Newsletter | http://cs-tccc.org/ |

Editorial

We are pleased to send you a copy of the March 2019 newsletter today. It summarizes recent TCCC activities and provides you with information on upcoming conferences in the field of computer communications. This issue of the TCCC Newsletter has been edited by TCCC Communications Chair Matthias Frank (matthew@cs.uni-bonn.de). Reach out to him if you have any content to publish in a future issue.

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TCCC supported activities at a glance

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1. IEEE LCN 2018 presentations on YouTube channel

At the 43rd annual IEEE Conference on Local Computer Networks (LCN) in November 2018 in Chicago, for the fourth time after starting at the 40th LCN in Clearwater/Florida, the presentations of several major LCN sessions such as the main conference keynotes, the expert panel session on Blockchain, workshop keynotes, and the presentation of the main conference best paper candidates were captured.

YouTube channel „IEEE LCN"

https://www.youtube.com/channel/UCAChFDOcz043WbcxSfjJudg

You can find all these presentation captures in the "IEEE LCN" YouTube channel, from last year 2018 and also going back to 2017 (Singapore), 2016 (Dubai) and 2015 (Clearwater).

Comments and feedback are welcome! Please comment via the YouTube channel or send an e-mail to the LCN 2019 Media Chair Fabian Marquardt (marquard@cs.uni-bonn.de).

2. N2Women Meeting at IEEE LCN 2018 in Chicago

On October 3, 2018 there was an N2Women Meeting at the 43rd annual conference on Local Computer Networks, being held in a plenery session 9:00 to 10:30am.

Keynote presentations were given by Dr. Klara Nahrstedt (University of Illinois at Urbana-Champaign, USA) and

Photo: Fabian Marquardt

Dr. Katia Jaffrès-Runser (Université de Toulouse, INPT-ENSEEIHT, France). Dr. Hossam Hassanein (Queen's University, Canada) held a welcome talk.

Photo: Fabian Marquardt

The picture also shows the organizer of the N2Women meeting, Jingrong Wang, (University of Victoria, Canada – second from the left), Soumaya Cherkaoui (Université Sherbrooke, Canada), LCN 2018 Program Chair, and Kemal Akkaya (Florida International University, USA), LCN 2018 General Chair.

The next N2Women meeting supported by TCCC is planned for the 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), June 2019 in Washington DC, USA.

Keep an eye on upcoming announcements on:

http://n2women.comsoc.org/meetings/

Networking
Networking Women

3. Student Travel Grants at IEEE PerCom 2019 in Kyoto, Japan

The IEEE Computer Society Technical Committee on Parallel Processing (TCPP) and the Technical Committee on Computer Communications (TCCC) provided support for a total of six student travel grants for non-US based students to attend the conference and co-located events.

Photo courtesy of: Keiichi Yasumoto

The two students supported by the grants coming from TCCC were Gary White (Trinity College Dublin, Ireland), picture on the top, and Moustafa Abbas (Alexandria University, Egypt), picture on the bottom, when receiving their grant certificate.

Photo courtesy of: Keiichi Yasumoto

The pictures also show Keiichi Yasumoto (Nara Institute of Science and Technology, Japan), first from the right, Behrooz Shirazi (Washington State University, USA), second from the right, and Andreas Reinhardt (TCCC Chair, TU Clausthal, Germany), first from the left.

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Earlier student participation grants provided by TCCC are listed at
https://cs-tccc.org/supports/studentgrants/

4. TCCC promotes networking and communication in High-Performance Computing

By **Anura Jayasumana**, Colorado State University, U.S.A.

Networking and communication play key roles in High-Performance Computing (HPC). Back-plane networks in super computing systems, interconnection networks within multi-core processors, and data center networks for providing cloud computing services are just a few examples of HPC related frontiers of networking and communications.

In 2017, TCCC and the Computer Society Technical Committee on Parallel Processing (TCPP) joined forces to form the Technical Consortium on High-Performance Computing (TCHPC) with the aim of serving IEEE communities with an interest in the HPC field. TCHPC advances and coordinates the HPC related work computing networking, storage, analysis, technologies and applications in this interdisciplinary field.

TCHPC has set in motion three main initiatives: Education and Outreach, Reproducibility, and software Engineering Practices. Consortium's primary focus is the support and management of the IEEE CS' shared interest in the Supercomputing Conference and related activities. Two founding TCs (TCCC and TCPP) are now joined by Technical Committee on Distributed Processing (TCDP), Technical Committee on Cloud Computing (TCCLD), Task Force on Rebooting Computing (TFRC), and Technical Committee on Computational Life Sciences (TCCLS) in this consortium. TCHPC will hold its next annual meeting at the Supercomputing Conference, Nov. 17-22, 2019, in Denver, CO.

TCCC members interested in HPC may find additional information about TCHPC at https://tc.computer.org/tchpc/.

Anura Jayasumana is the TCHPC representative in the TCCC executive committee.

5. TCCC Sponsored Conferences

IEEE International Conference on Local Computer Networks (LCN)

The IEEE LCN conference is the premier conference on theoretical and practical aspects of computer networking. LCN is highly interactive, enabling an effective interchange of results and ideas among researchers, users, and product developers. Major developments from high-speed networks to the global Internet to specialized sensor networks have been reported at past LCNs.

The 44th IEEE LCN will happen in Osnabrück (Germany) October 14-17, 2019.

http://www.ieeelcn.org/

IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM)

The evolution of wireless networking technologies and their key role in future Internet scenarios offer an increasing wealth of opportunities for distributing multimedia contents over wireless networks, enabling dissemination of professional contents to mobile users as well as sharing user-generated contents among them. Users will be able to retrieve, publish, and manage information, communicate with other users or devices, access and author services, and create and exploit context-awareness. Papers that present original work, validated by experimentation, simulation, or analysis, are solicited. Practical experiences and experimental efforts from both industry and academia, duly documenting the lessons learned from testbeds, field-trials, or real deployments, are also welcome.

IEEE WoWMoM 2019 will be June 10 – 12, 2019, in Washington DC (USA).

http://cs.ucf.edu/wowmom2019/

TCCC Sponsored Conferences (continued)

IEEE International Conference on Pervasive Computing and Communications (Percom)

PerCom provides a leading edge, scholarly forum for researchers, engineers, and students alike to share their state-of-the art research and developmental work in the broad areas of pervasive computing and communications. The conference features a diverse mixture of interactive forums: core technical sessions of high quality cutting-edge research articles; targeted workshops on exciting topics; live demonstrations of pervasive computing in action; insightful keynote speeches; panel discussions from domain experts; and posters of emerging ideas.

http://www.percom.org/

The 2019 edition of PerCom took place in March 2019 in Kyoto (Japan).

IEEE International Performance Computing and Communications Conference (IPCCC)

The International Performance, Computing, and Communications Conference is a premier IEEE conference presenting research in the performance of computer and communication systems. For over three-and-a-half decades, IPCCC has been a research forum for academic, industrial, and government researchers.

IPCCC 2019 will take place in London (England, UK), October 29th – 31st, 2019.

http://ipccc.org/

TCCC Sponsored Conferences (continued)

IEEE International Conference on Smart Computing (SMARTCOMP)

SMARTCOMP will include smart computing innovations in all different technology aspects including pervasive/ubiquitous computing, cloud computing, sensor networks, internet of things, big data analytics, security and privacy, social computing, cognitive computing, cyber-physical systems with their

IMPORTANT DATES

- Acceptance Notification: 29 March, 2019
- WIP/Demo Submission

SMARTCOMP 2019 is the 5th edition of the conference and will held in Washington DC after the success of the previous editions. SMARTCOMP 2019 will include smart computing innovations in all different technology aspects including pervasive/ubiquitous computing, cloud computing, sensor networks, internet of things, big data analytics, security and privacy, social computing, cognitive computing, cyber-physical systems with their validation within smart computing environments, and applications such as smart buildings, smart cities, smart grids, precision

validation within smart computing environments, and applications such as smart buildings, smart cities, smart grids, precision agriculture and other societal applications contributing to smart living.

http://www.smart-comp.org/

The 5th edition of SMARTCOMP will be June 12-14, 2019 in Washington DC (USA).

Recent Technically Co-Sponsored Conferences

- International Conference on Networked Systems
  (NetSys 2019)   http://netsys2019.org/
- 14th International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2018)   http://conf.neu.edu.cn/msn2018/
- 14th International Conference on Network and Service Management
  (CNSM 2018)   http://cnsm-conf.org/2018/
- International Conference on Photonics in Switching and Computing
  (PSC 2018)   http://cyprusconferences.org/psc2018/
- 11th International Conference on Mobile Computing and Ubiquitous Networking
  (ICMU 2018)   http://www.icmu.org/icmu2018/
- 32nd of the International Conference on Information Networking
  (ICOIN 2018)   http://www.icoin.org/

For a full list of past technically co-sponsored TCCC conferences
see https://cs-tccc.org/sponsored/tcs/

Calendar of upcoming (TCCC) conference deadlines & dates

Submission deadlines:

April 19, 2019	IEEE LCN main conference paper registration
May 3, 2019	IEEE LCN main conference paper submission
May 10, 2019	Paper submission of IEEE LCN Symposium on Emerging Topics in Networking
June 21, 2019	IEEE IPCCC paper abstract deadline
June 28, 2019	IEEE IPCCC full & poster paper due

Dates of the conferences:

June 10-12, 2019	20th IEEE WoWMoM, Washington D.C. (USA)
June 12-14, 2019	5th IEEE SMARTCOMP, Washington D.C. (USA)
October 14-17, 2019	44th IEEE LCN, Osnabrück (Germany)
October 29-31, 2019	38th IEEE IPCCC, London England (UK)
March 23-27, 2020	18th IEEE PerCom, Austin Texas (USA)

2019 TCCC Executive Committee

The Executive Committee of the TCCC is chaired by the TCCC Chair, directs the operations of the TCCC and determines the budget and nature of TCCC activities:

TCCC Chair:	**Andreas Reinhardt**, TU Clausthal, Germany
TCCC Past Chair:	**Nils Aschenbruck**, University of Osnabrück, Germany
Treasurer:	**Frank Huebner**, U.S.A.
Conference Liaison Chairs:	**Salil Kanhere**, The University of New South Wales, Australia
	Burkhard Stiller, University of Zürich, Switzerland
Industry Chair:	**Katrin Reitsma**, Motorola Solutions, U.S.A.
Student Outreach Chair:	**Matthias Wübbeling**, University of Bonn and Fraunhofer FKIE, Germany
History Chair:	**Joe Bumblis**, IEEE TCCC Executive Committee, U.S.A.
Communications Chair:	**Matthias Frank**, University of Bonn, Germany
TCHPC Representative:	**Anura Jayasumana**, Colorado State University, U.S.A.

What would you like to read in the next TCCC newsletter?

Call for contributions!

We are soliciting contributions for our TCCC newsletter. This maybe any piece of information like

- Call for Papers/Workshops/Demos/Posters/Participation/...
- Job offer related to TCCC
- Information of general relevance for the TCCC members
- Information on conference award recipients (best paper, best demo, travel grants, ...)
- Experience reports from conferences and workshops

If you are missing an important topic that should be mentioned as well, please let us know! (matthew@cs.uni-bonn.de) We plan to send out a TCCC newsletter about every few months, depending on availability of relevant content.