



**IEEE
COMPUTER
SOCIETY**



**IEEE COMPUTER SOCIETY
TCCC**

Technical Committee on Computer Communications

August 2019 Newsletter

<http://cs-tccc.org/>

Editorial

We are pleased to send you a copy of the August 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.

Contents

1. Conference report of WoWMoM, June 2019
 2. Upcoming N2Women events & Rising Stars
 3. IEEE MCE article on the IEEE LCN conference
 4. Overview of TCCC supported activities
 5. Calendar of deadlines and dates
-

TCCC supported activities at a glance

LCN IPCCC SMARTCOMP N2 Women
ICMU
Student participation
grants PerCom
TCHPC WoWMoM

1. Conference report of WoWMoM, June 2019

By Andrea Passarella, IIT-CNR, Italy (WoWMoM 2019 General Chair)

This year marked the 20th anniversary of WoWMoM. Since its first edition, WoWMoM has become a premier event for the fusion of ideas from researchers and practitioners interested in all aspects of wireless, mobile, and multimedia pervasive communications. Sponsored by the IEEE Computer Society and its Technical Committee on Computer Communications (TCCC), and co-sponsored by the Missouri University of Science and Technology, the 20th edition of WoWMoM has been held in Washington D.C..

WoWMoM's track record of excellence continued for one more year. The WoWMoM 2019 program contained an excellent mix of technical sessions. In addition, the program has been supplemented by a PhD forum session, demonstrations, an N2Women event, and four exciting pre-conference workshops on Data Distribution in Industrial and Pervasive Internet (DIPI), Internet-of-Things (IoT-SoS), UAV swarms (SwarmNet) and Cyber Physical Systems (CCNCPS).

This year IEEE WoWMoM has attracted significant interest among the community, with the main conference receiving 101 papers and 4 work-in-progress submissions from 35 countries spanning all continents. The topics span from ad hoc sensor and vehicular networks, Internet of Things, localization, tracking and mobility management and services, device-to-device communication, mobile edge computing, and many more. As a result of the evaluation process, 18 regular papers were finally selected for presentation as full papers and 8 papers were selected for presentation as short papers at the main conference, giving an acceptance rate of 25%. The program was further enriched by two keynote presentations offered by world leaders in the field, Professor Dipankar Raychaudhuri Distinguished Professor, Electrical & Computer Engineering and Director, Rutgers University and Dr. Victor Bahl, Distinguished Scientist & Director of Mobility & Networking Research, Microsoft.

The best paper award was presented for the paper entitled „HIRO-NET: Self-Organized Robotic Mesh Networking for Internet Sharing in Disaster Scenarios“, co-authored by Ludovico Ferranti (Northeastern University, USA & Sapienza University of Rome, Italy); Salvatore D'Oro, Leonardo Bonati and Emrecan Demirors (Northeastern University, USA); Francesca Cuomo (University of Rome Sapienza, Italy); Tommaso Melodia (Northeastern University, USA).



Technical program co-chairs Jasleen Kaur (left) and Maria Papadopouli presenting the award to the author Ludovico Ferranti. Congratulations!

Photo courtesy of: Jasleen Kaur

2. Upcoming N2Women events & Rising Stars

The N2Women (Networking Networking Women) community targets to foster connections among women in computer networking and related research fields. TCCC is proud to sponsor the N2Women meetings at the annual IEEE WoWMoM and IEEE LCN conferences.

The next N2Women meeting will take place at the 44th Annual IEEE Conference on Local Computer Networks (LCN 2019) in Osnabrück, Germany, on October 16, 2019, as a plenary session. Martine Lenders from FU Berlin, Germany, has been selected to be the organizer of the N2Women meeting. We are looking forward to an interesting and inspiring meeting!

Besides organizing meetings at a large range of conferences, the N2Women board has also announced the “2019 N2Women Rising Stars in Networking and Communications” at the International Women in Engineering Day in June 2019. Only ten researchers were named “rising stars” by the N2Women Awards Co-Chairs Eirini Liotou, Minhae Kwon, and Ying Zhang together with the N2Women Board Co-Chairs Katia Jaffres-Runser and Damla Turgut. We are proud that the TCCC members Delphine Reinhardt (University of Göttingen, Germany) and Anna Maria Vegni (Roma Tre University, Italy) are among those ten amazing women! Congratulations!

All awardees are listed at <http://n2women.comsoc.org/> -> Stars lists -> 2019 ... Rising Stars ...



3. IEEE MCE article on the IEEE LCN conference

The IEEE Meetings, Conferences & Events (MCE) has published an article on the best practices in achieving financial sustainability for scientific conferences. The IEEE Conference on Local Computer Networks (LCN) was named as an exemplary case. Find out more about the success strategies of the LCN Organizing Committee in preparing and running the conference at



Dr. Frank Huebner (left) and Dr. Joseph Bumbulis have both served as Finance Chair for LCN

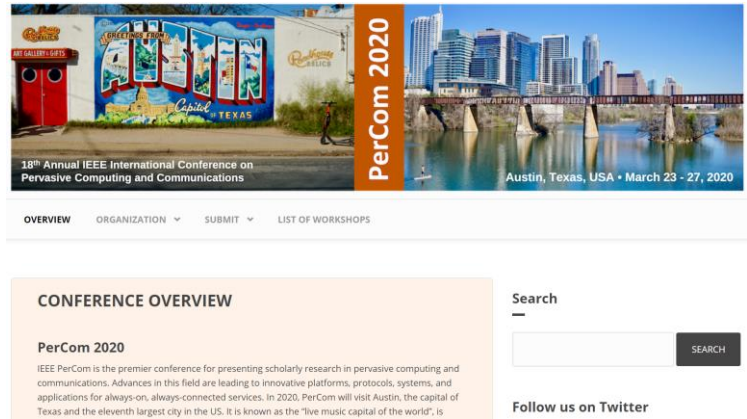
Source: IEEE MCE (see link below)

<https://ieeemce.org/ieee-conference-on-local-computer-networks-lcn/>

4. TCCC Sponsored Conferences

IEEE International Conference on Pervasive Computing and Communications (PerCom)

IEEE PerCom is the premier conference for presenting scholarly research in pervasive computing and communications. Advances in this field are leading to innovative platforms, protocols, systems, and applications for always-on, always-connected services. In 2020, PerCom will visit Austin, the capital of Texas and the eleventh largest city in the US. It is known as the “live music capital of the world”, is famous for its barbecue, and is a progressive tech-centric town.



<http://www.percom.org/>

IEEE PerCom 2020 deadlines are close ahead! The conference will be in March 2020.

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/>

Please find an LCN 2019 Call for Participation featured on the last page of this TCCC newsletter.

TCCC Sponsored Conferences (continued)

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/>

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.

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



WORLD OF WIRELESS,
MOBILE AND MULTIMEDIA
NETWORKS

JUNE 10-12, 2019 - WASHINGTON
DC, UNITED STATES

HOME

- CALL FOR DEMOS
- CALL FOR PHD FORUM
- CALL FOR PAPERS
- CALL FOR WORKSHOPS
- IMPORTANT DATES
- COMMITTEES
- AUTHOR'S INSTRUCTIONS
- WORKSHOPS
- KEYNOTES
- TECHNICAL PROGRAM
- REGISTRATION
- VENUE
- SOCIAL EVENTS
- TRAVEL
- HOTELS

20TH IEEE INTERNATIONAL SYMPOSIUM ON A WORLD OF WIRELESS, MOBILE AND MULTIMEDIA NETWORKS (IEEE WOWMOM 2019)

JUNE 10-12, 2019 - WASHINGTON DC, UNITED STATES

Sponsored by: IEEE Computer Society, Missouri University of Science and Technology, IEEE Computer Society TC on Computer Communications (TCCC)



Best Paper Award: HIRO-NET: Self-Organized Robotic Mesh Networking for Internet Sharing in Disaster Scenarios
Ludovico Ferranti (Northeastern University, USA & Sapienza University of Rome, Italy); Salvatore D'Oro, Leonardo Bonati and Emrecan Demirors (Northeastern University, USA); Francesca Cuomo (University of Rome Sapienza, Italy); Tommaso Melodia (Northeastern University, USA)

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

TCCC Sponsored Conferences (continued)

IEEE International Conference on Smart Computing (SMARTCOMP)

SMARTCOMP is about 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 agriculture and other societal applications contributing to smart living.



The image shows a promotional banner for SMARTCOMP 2019. On the left is a vertical navigation menu with links: HOME, TECHNICAL PROGRAM, KEYNOTES, INVITED SPEAKERS: INDUSTRY TRACK, CALL FOR PAPERS: INDUSTRY TRACK, CALL FOR WP/DENOS, CALL FOR PHD FORUM, CALL FOR WORKSHOP PROPOSALS, LIST OF WORKSHOPS, PAPER SUBMISSION, VENUE AND HOTEL INFORMATION, REGISTRATION, CAMERA-READY SUBMISSION, ORGANIZING COMMITTEE, TECHNICAL PROGRAM COMMITTEE, IMPORTANT DATES, INDUSTRY SPONSORSHIP OPPORTUNITIES, and NSF TRAVEL GRANT FOR US STUDENTS. The main banner features the text 'SMARTCOMP 2019 Smart Living through Computing' and '5th IEEE International Conference on Smart Computing (SMARTCOMP 2019)' held from '12 - 14 June 2019' in 'Washington D.C., US'. It includes a QR code labeled 'QR Code to Register' and three red buttons: 'Click here to Register', 'Apply- NSF Student Grant', and 'Camera-Ready 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 agriculture and other societal applications contributing to smart living.

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

The 5th edition of SMARTCOMP took place on June 12-14, 2019 in Washington DC (USA).

Recent Technically Co-Sponsored Conferences

- 12th International Conference on Mobile Computing and Ubiquitous Networking (ICMU 2019) <http://www.icmu.org/icmu2019/>
- 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/>
- 32nd of the International Conference on Information Networking (ICOIN 2018) <http://www.ico.in.org/>

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

5. Calendar of upcoming (TCCC) conference deadlines & dates

Submission deadlines:

September 13, 2019	IEEE PerCom registration of abstracts for full research papers
September 20, 2019	IEEE PerCom submission of full research papers
November 29, 2019	IEEE PerCom Work in Progress contributions
December 20, 2019	IEEE PerCom PhD forum contributions



Dates of the conferences:

October 14-17, 2019	44 th IEEE LCN, Osnabrück (Germany)
October 29-31, 2019	38 th IEEE IPCCC, London England (UK)
November 4-6, 2019	12 th ICMU, Kathmandu (Nepal)
March 23-27, 2020	18 th IEEE PerCom, Austin Texas (USA)
TBD, 2020	21 st IEEE WoWMoM
TBD, 2020	6 th IEEE SMARTCOMP

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.



IEEE COMPUTER SOCIETY
TCCC

Technical Committee on Computer Communications

44th Annual IEEE Conference on Local Computer Networks (LCN '19)

Osnabrück, Germany

October 14-17, 2019

<http://www.ieeelcn.org>



Organizing Committee

General Chair:

Soumaya Cherkaoui (Univ. Sherbrooke, Canada)

Program Chair:

Karl Andersson (Luleå Univ. of Techn., Sweden)

Program Co-Chair:

Hwee-Pink Tan (SMU., Singapore)

Local Arrangements:

Nils Aschenbruck (Univ. of Osnabrück, Germany)

Finance Chair:

Frank Huebner (USA)

Corporate Relations:

Matthias Wählich (FU Berlin, Germany)

Workshops Chair:

Lyes Khokhi (Univ. de Technologie de Troy, France)

Demonstrations Chair:

Katrin Reitsma (Motorola Solutions, USA)

Publications Chair:

Sharief Oteafy (DePaul Univ., USA)

EDAS Chair:

Eyuphan Bulut (Virginia Commonwealth Univ., USA)

Registration Chair:

Adel Ben Mnaouer (Canadian Univ. of Dubai, UAE)

Student Grants Chair:

Eyuphan Bulut (Virginia Commonwealth Univ., USA)

Publicity Co-Chairs:

Florian Tschorsch (TU Berlin, Germany)

Kanchana Thilakarathna (Univ. of Sydney, Australia)

Webmaster:

Gary Kessler (Embry-Riddle Aeronautical Univ., USA)

Media Chair:

Fabian Marquardt (Univ. of Bonn, Germany)

Steering Committee

Kemal Akkaya (Florida International Univ., USA)

Nils Aschenbruck (Univ. of Osnabrück, Germany)

Joe Bumbulis (IEEE TCCC Executive Committee)

Ken Christensen (Univ. of South Florida, USA)

Ehab Elmallah (Univ. of Alberta, Canada)

Matthias Frank (Univ. of Bonn, Germany)

Anura Jayasumana (Colorado State Univ., USA)

Salil Kanhere (Univ. of New South Wales, Australia)

Gary Kessler (Embry-Riddle Aeron. Univ., USA)

Burkhard Stiller (Univ. of Zürich, Switzerland)

Tim Strayer (BBN, USA)

Jens Tölle (Fraunhofer FKIE, Germany)

Damla Turgut (Univ. of Central Florida, USA)

The IEEE Conference on Local Computer Networks (LCN) is supported by the IEEE Computer Society and the IEEE Computer Society Technical Committee on Computer Communications (TCCC). In addition to being a premier conference with a highly competitive paper selection process, it is also the oldest continuously running conference in the area of networks.

Please see the technical program at www.ieeelcn.org

This year's LCN features:

- 3 keynote presentations given by
 - Olivier Bonaventure (UC Louvain, Belgium): "Making Our Networking Stack Truly Extensible"
 - Frank H. P. Fitzek (TU Dresden, Germany): "Tactile Internet with Human-In-The-Loop"
 - Javier Manuel Gozalvez Sempere (UMH, Spain): "V2X Networks for Connected and Automated Driving"
- 39 full paper presentations in 11 technical sessions
- 33 short papers presented in two plenary poster sessions
- 8 demonstrations
- A full-day Symposium including 21 papers presented in 6 technical sessions
- N2Women meeting
- 2 Social Events: a Welcome Reception and Conference Banquet.

All the above are included in the conference registration. Early-bird registration ends September 10th, 2019. Please see the registration page at http://www.ieeelcn.org/Attendee_Conference.html

See videos from past LCN conferences:

<https://www.youtube.com/channel/UCACHFDOcz043WbcxSfjJudg/videos>

Follow LCN on Twitter at <https://twitter.com/IEEELCN>

Follow LCN on LinkedIn <https://www.linkedin.com/company/ieee-lcn-conference/>