

September 2022 Newsletter

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

Editorial

As usual, 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.

We carefully updated our calendar of deadlines and dates, based on public information available from the conference web sites, and in parts coming from preliminary information from the organizing committees. If you spot errors in the dates, please let us know (... to correct these in the upcoming TCCC newsletter).



Contents

1. A message by the TCCC chair Damla Turgut
2. Overview of TCCC supported activities
3. Calendar of deadlines and dates
4. Call for Contributions!
5. Attachments: PDFs of Call for Papers with upcoming deadlines and Calls for Participation

Featuring: **LCN, PerCom, CyberC, ITNAC, ICOIN**

TCCC supported activities at a glance

LCN IPCCC ITNAC SMARTCOMP FNWF N2 Women
Student participation INSAI ISCC ICOIN CyberC
BSC grants TCHPC ICCSIE PerCom WoWMoM

1. A message by the TCCC chair Damla Turgut

In our world of accelerated change and unprecedented challenges, the IEEE Computer Society's goal of advancing communications and networking technology for the betterment of humanity is more relevant than ever. TCCC continues to aim to be a forum for our members to broaden their professional contacts and facilitate technical discussions.



TCCC has gone through a vitality review in early Summer 2022. In the last several years, our membership had grown at a healthy pace: our current membership of almost 3100 represents an increase of about 20% from the previous year. In 2022, we were able to provide financial and/or technical sponsorship to several IEEE conferences (e.g., ISCC, ITNAC, ANNSIM) which were formerly supported by TCSIM.

The TCCC executive committee has been updated after the 2021 elections. Andreas Reinhardt, formerly TCCC Chair, is now the Past Chair as well as the TAC Chair. Nils Aschenbruck, formerly TCCC Chair, now serves as one of the three Conference Liaison Chairs along with Burkhard Stiller and Salil Kanhere. Nils has just been elected board of governors member for 2023-2025 term. You can always find an up-to-date list of all our executive committee members at <https://cs-tccc.org/whoweare/>

In case, you have just joined our TC, TCCC runs a website at www.cs-tccc.org, providing information about sponsoring opportunities, membership benefits, and TC activities. Moreover, a regular email newsletter is prepared and sent by our Communications Chair (Matthias Frank matthew@cs.uni-bonn.de) to inform our members of upcoming deadlines, conference awards, etc. In the coming months, we intend to extend our reach to our members through social media accounts (primarily focusing on LinkedIn and Twitter).

We realize that providing funding support to students is extremely important, as many students would otherwise not be able to attend a conference to present their research papers. Therefore, we are happy to continue our support. Please feel free to reach out to our Student Outreach Chair (Matthias Wübbeling matthias.wuebbeling@cs.uni-bonn.de) if you would like to see more student events in any of your planned conferences. We have been supporting Networking Networking Women (N2Women) meetings at many of our sponsored conferences through N2Women fellowships granted to female graduate students. I also happened to be N2Women Board Co-Chair for the last several years!

As we continue to increase our membership and the number of sponsored conferences, we aim to sustain the quality of the conference venues through checks at various levels. Our conference liaison chairs oversee the review process as additional quality assurance. Moving ahead, we intend to seek novel ways to attract students and underrepresented minorities to join TCCC and to experience the advantages of membership. We would also like to continue and further increase the regularity of the diversity & inclusion (D&I) activities in all our future conferences.

Finally, as our sponsored flagship conference LCN 2022 is about to start on September 26, I hope to see you all very soon in Edmonton, Canada!

2. TCCC Sponsored Conferences

Hybrid

IEEE LCN 2022 – 47th International Conference on Local Computer Networks

Just a few days ahead, the 47th edition of IEEE LCN will take place in hybrid operation in Edmonton, Canada.

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.



<https://www.ieeelcn.org/>

Conference dates and highlights:

- Monday **Sept 26**, to Thursday **Sept 29, 2022**
- Keynote on “Stochastic Multi-armed Bandit With Knapsack and Its Application in Wireless Edge Computing” by **Prof. Ekram Hossain**
- Keynote on “10 Scientific Challenges for 6G” by **Prof. Mérouane Debbah**
- Single track sessions with a total of 26 full papers, 5 symposium papers, 35 short papers, 10 doctoral track papers and 7 demonstrations
- IEEE Xplore Open Access to the conference proceedings until Sept 29, 2022

<https://ieeexplore.ieee.org/xpl/conhome/9843189/proceeding>



The collection of major LCN presentation recordings has recently been completed by publishing the LCN 2021 keynote and best paper candidate presentations on the public YouTube channel of LCN.

https://www.youtube.com/IEEE_LCN

IEEE Xplore Open Access

TCCC Sponsored Conferences (continued)

IEEE FNWF 2022 – Future Networks World Forum

The 2022 IEEE Future Networks World Forum was just renamed from (2021) IEEE 5G World Forum and is among the **TCCC sponsored conferences** for the second year.

<https://fnwf.ieee.org/>

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

IEEE Future Networks WORLD FORUM • 2022

IEEE Future Networks World Forum
12-14 October 2022 | Montreal, Canada + Virtual (Hybrid)

HOME | ABOUT | COMMITTEE | AUTHORS | PROGRAM | REGISTRATION | VENUE / TRAVEL | PATRONS / EXHIBITORS

IEEE Future Networks™
WORLD FORUM • 2022
12-14 October - Hybrid - Montreal

Formerly known as
IEEE 5G WORLD FORUM

A Comprehensive Look
at 5G and Beyond

Technical papers • Symposia • Tutorials •
Workshops • Panels • Forums • more...

Register at [FNWF.ieee.org](https://fnwf.ieee.org/)

Home

Register Now

Future Networks: A Comprehensive Look at 5G and Beyond

Search ... Search

REGISTRATION

The 2022 IEEE Future Networks World Forum aims to bring experts from industry, academia, and research to exchange their vision as well as their achieved advances towards future networks of 5G and beyond and encourage innovative cross-domain studies, research, early deployment and large-scale pilot showcases that address the challenges of future networks.

The 2022 IEEE Future Networks World Forum (FNWF'22), a **hybrid event based in Montreal, Canada**, seeks contributions on how to nurture and cultivate future networks technologies and applications for the benefit of society.

Conference dates and highlights:

- **12 – 14 October 2022**
- Early registration deadline 30 September 2022
- Featured Speakers: **Vint Cerf, Melike Erol-Kantarci, Erik Ekudden, Rami Amin**
- Featured Sessions and Symposia
- New session information added daily.

5G World Forum content from 2021 and earlier is available in their archive:

<https://attend.ieee.org/wf-5g/>

Hybrid

TCCC Sponsored Conferences (continued)

IEEE IPCCC 2022 – 41st International Performance Computing and Communications Conference

IPCCC was already announced for the location of Austin, TX (USA) for the year 2020. Due to COVID-19, both the 2020 and also 2021 edition of IPCCC were held fully virtual.



41st IEEE -- International Performance Computing and Communications Conference

IPCCC 2022

(conference #55026)

November 11th - 13th, 2022

Austin, TX, USA

In November 2022, the 41st IEEE IPCCC eventually will take place in presence in Austin, TX. Information about hybrid operation is not visible on the IPCCC web page.

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



<http://ipccc.org/>

IEEE Xplore
Open Access

Conference dates and highlights:

- **November 11th – 13th, 2022**
- This year's conference will **include a 40th anniversary celebration** with special events honoring the key authors and contributors who have helped make IPCCC successful over the years.
- IPCCC will be utilizing **IEEE Open Preview** to allow the conference proceedings to be available in the IEEE Xplore® Digital Library ... prior to the conference start date.

Check back later at

<https://ieeexplore.ieee.org/xpl/conhome/1000548/all-proceedings>

TCCC Sponsored Conferences (continued)

IEEE PerCom 2023 – 21st International Conference on Pervasive Computing and Communications

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



General Information

[Conference overview](#)
[Organizing Committee](#)
[Steering Committee](#)
[Program Committee](#)
[Conference Venue](#)

PerCom 2023

The 21st International Conference on Pervasive Computing and Communications (PerCom 2023)

March 13-17, 2023 in Atlanta, USA.

IEEE PerCom, now in its 21st year, will be held in Atlanta, Georgia (USA), during March 13-17, 2023, as a physical event, with a provision for remote participation. PerCom is the premier annual scholarly venue in pervasive computing and communications. Pervasive computing is constantly at the forefront of mobile systems research, and has found its way into many commercial systems due to tremendous advances in a broad spectrum of technologies and topics such as wireless networking, mobile and distributed computing, sensor systems, ambient intelligence, and smart devices.

PerCom 2023 @ Twitter

Tweets from @IEEEPerCom



IEEEPerCom
@IEEEPerCom · 13h



We have decided to *extend* the deadlines for submitting to the #Percom2023 main track. Below, the new deadlines:

September 26 ---> extended to October 3, 2022, AOE: paper registration and abstract submission

October 3 --> extended to October 10, 2022, AOE: paper submission

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Upcoming deadlines:

- **October 3, 2022:** EDAS paper registration (extended)
- **October 10, 2022:** EDAS paper submission (extended)
- **November 14, 2022:** Demo proposal submission
- **December 9, 2022:** WIP papers submission
- Deadlines for **workshop papers** “TBA”
- Also see PDF Call for Papers attached to this newsletter

**PDF call
attached**

TCCC Sponsored Conferences (continued)

IEEE WoWMoM 2023 – 24th International Symposium on a World of Wireless, Mobile and Multimedia Networks



JUNE 12-15 2023, BOSTON, MASSACHUSETTS

24th IEEE International Symposium on a World of Wireless, Mobile, and Multimedia Networks
Boston, June 12-15, 2023

IMPORTANT DATES

Regular & Work in Progress Papers

Paper due:
December 15, 2022

Acceptance notification:
February 20, 2023

Camera-ready version:
April 15, 2023

Workshops (Proposal)

Proposals due:
October 25, 2022

Acceptance notifications:
November 5, 2022

Welcome to the 24th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), the conference for researchers and practitioners interested in all aspects of wireless, mobile, and multimedia pervasive communications.

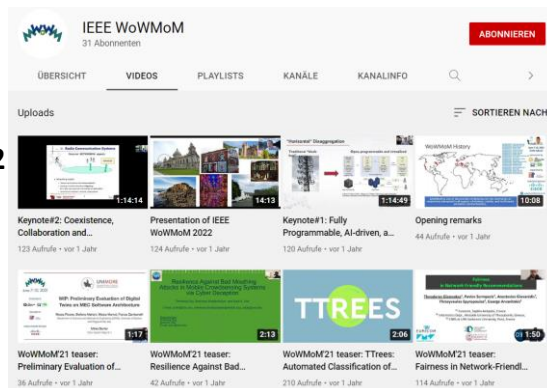
WoWMoM 2023 will be a four-day event with a technical programme including paper presentations, keynote speeches, hot-topic panel sessions, workshops, and a postgraduate forum.

<https://coe.northeastern.edu/Groups/wowmom2023/index.html>

Upcoming deadlines:

- Workshop Proposals due: **October 25, 2022**
- Regular & Work in Progress Papers: **December 15, 2022**
- Workshop Papers due: **March 1, 2023**

YouTube channel of WoWMoM:



https://www.youtube.com/channel/UCXaG1kphjy_UvavYk5EmkqQ

TCCC Sponsored Conferences (continued)

IEEE SMARTCOMP 2023 – 9th International Conference on Smart Computing

SMARTCOMP 2023



Important Dates

Paper Registration: 2.23.23
 Paper Submission: 3.2.23
 Acceptance: 4.4.23
 Camera-ready: 5.10.23
 Conference: June 26-30, 2023

Previous Conferences

[Home](#) [Committees](#) [Call for Papers](#) [Program \(TBD\)](#) [Attending](#)

IEEE SMARTCOMP 2023

International Conference on Smart Computing (SMARTCOMP) is the premier conference on smart computing. Smart computing is a multidisciplinary domain based on the synergistic influence of advances in sensor-based technologies, Internet of Things, cyber-physical systems, edge computing, big data analytics, machine learning, cognitive computing, and artificial intelligence.

Tweets from @IEEESmartComp

IEEESmartComp Retweeted
 UMB...
 Jun 27

Congratulations to Zahid Hasan and team on winning Best Paper Award for their paper

The International Conference on Smart Computing (SMARTCOMP) is the premier conference on smart computing. Smart computing is a multidisciplinary domain based on the synergistic influence of advances in sensor-based technologies, Internet of Things, cyber-physical systems, edge computing, big data analytics, machine learning, cognitive computing, and artificial intelligence.

SMARTCOMP 2023 is the 9th edition of the conference and will be held at Vanderbilt University, Nashville, Tennessee, hosted by Vanderbilt University Institute for Software Integrated Systems. We want SMARTCOMP 2023 to be a welcoming venue for novel, cutting-edge, and creative research.

Upcoming deadlines:

- Paper registration: February 23, 2023
- Paper submission: March 2, 2023

<https://smartcomp.isis.vanderbilt.edu/>

TCCC Sponsored Conferences (continued)

IEEE ISCC 2022 – 27th IEEE Symposium on Computers and Communications

ISCC is new in the portfolio of TCCC sponsored conferences in 2022. ISCC was formerly supported by the IEEE Computer Society Technical Community on Simulation, TCSIM.

IEEE ISCC 2022

30th June - 3rd July 2022
Rhodes, Greece

HOME COMMITTEES

AUTHORS & ATTENDEES KEYNOTE SPEAKERS

REGISTRATION TUTORIALS

[IEEE.org](#) | [IEEE Xplore](#) | [IEEE-SA](#) | [IEEE Spectrum](#) | [More Sites](#)

WORKSHOPS

CO-LOCATED

CONTACT

EVENTS



ISCC takes place annually, usually in the Mediterranean region, in locations such as Egypt, Cyprus, Tunisia, Portugal, Morocco, Italy, Brazil, Spain and France. In 2021 Athens hosted the 26th symposium. This year (2022) the 27th IEEE Symposium on Computers and Communications has been held in Rhodes island in Greece end of June/beginning of July 2022.

ISCC 2022 provided an insight into the unique world stemming from the interaction between the fields of computers and communications. ISCC 2022 provided an international technical forum for experts from industry and academia to exchange ideas and present results of on-going research in most state-of-the-art areas of computers and communications.

The first IEEE Symposium on Computers and Communications (ISCC) was held in 1995 in response to the growing interaction between the fields of computers and communications.

Information about ISCC 2023:

<https://iscc2022.unipi.gr/>

Details of the 2023 edition of ISCC are not yet known. However, the 2023 web site already leaks **one piece of information**:

Stay tuned for 2023!

Thank you for making ISCC 2022 a great success see you in Tunisia in July 2023.

TCCC Technically Co-Sponsored Conferences (upcoming)

IEEE ICCSIE 2022 – 7th International Conference on Cyber Security and Information Engineering

The 7th International Conference on Cyber Security and Information Engineering (ICCSIE2022), which **is currently taking place** in Brisbane, Australia during September 23-25, 2022. ICCSIE2022 is organized by Beijing University of Technology.



Welcome to ICCSIE2022

<http://www.iccsie.com/>

The conference has been successfully held for six times in Ningbo (2015), Sanya (2017), Xi'an (2018), Beijing (2019), Online (2020) and Online (2021). It has attracted hundreds of participants and become a platform for researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

IEEE INSAI 2022 – 2nd International Conference on Networking Systems of AI

INSAI2022 is a premier international academic conference organized by Institute on Networking Systems of AI (INSAI), Fudan University, Hainan University and University of Toronto. INSAI2022 will provide a forum for researchers, engineers and industry experts to discuss recent developments, new ideas and breakthroughs in Networking Systems of Artificial Intelligence.

INSAI2022

2nd International Conference on Networking Systems of AI

Shanghai, China
October 14-15, 2022



Countdown: 021 days

Call for Papers

Call for Posters

Paper Submission

<http://insai2022.iaast.cn/>

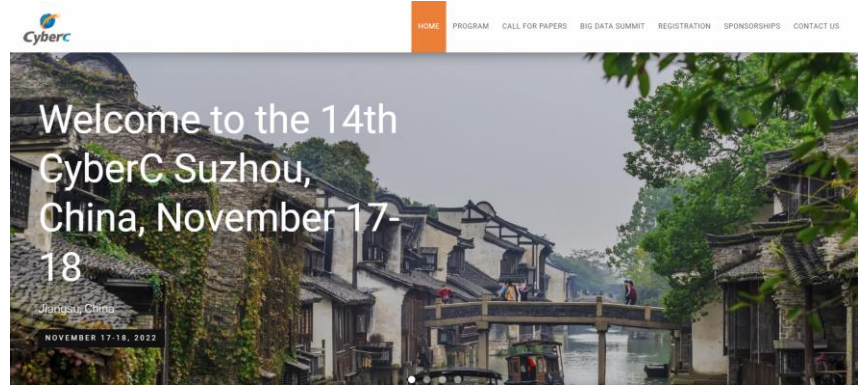
Topics of interest include 5G Physical Communications and Networks, Polymorphic Networks and Configurability, Heterogenous Micro and Nano Electronics for IMCSC, AI Empowered Smart Services and Applications, Ubiquitous Brain Networks. This conference also provides an opportunity to interact and establish professional relations for future collaboration.

TCCC Technically Co-Sponsored Conferences (upcoming, cont.)

IEEE CyberC 2022 – 14th International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery

CyberC – International Conference on Cyber-enabled distributed computing and technology discovery – is to promote research and collaboration on the cyber-related technology.

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



Scopes: CyberC promotes in-depth exploration of the most recent research and developments in the fields of AI, big data, distributed computing, clouds, cyber security, pervasive computing, mobile computing, Internet of Things, and other cyber-based technologies. Professors, scientists, engineers, and students in these areas are encouraged to participate. CyberC also welcomes industrial participations.

(The deadline for CyberC 2022 submission has been extended. The extended deadline is September 30, 2022.)

PDF call
attached

IEEE ITNAC 2022 – International Telecommunication Networks and Applications Conference

<https://itnac.org.au/>

KEY DATES

- ▼ Late papers accepted - email committee
- ▼ Extended paper deadline - 30 September 2022
- ▼ Acceptance notification - 15 October 2022

PDF call
attached



With the increasing focus on modelling and simulation in the fields of cyber security, big data, distributed computing, mobile computing, cognitive computing, cloud computing, computing tools, applications, simulation tools, system performance and data and computer communications the demand for high quality research outcomes has never been greater. ITNAC has been the forum for researchers and engineers to present and discuss topics related to advanced computing and data communication network technologies, services and applications.

TCCC Technically Co-Sponsored Conferences (upcoming, cont.)

IEEE ICOIN 2023 – 37th International Conference on Information Networking

The 37th International Conference on Information Networking (ICOIN) will take place in Bangkok, Thailand, which is organized by Korea Institute of Information Scientists and Engineers (KIISE) and technically co-sponsored by



IEEE. It has been 37 years since ICOIN originally started under the name of Joint Workshop on Computer Communication in 1986. In past thirty years, computer communication and networking technologies have changed every aspect of our lives and societies. While computer networks have contributed largely to the current IT advancement, it will play a key role in new IT paradigms such as IoT, Mobile, Big data, AI, Security, and Cloud computing and will be applied to various areas of the upcoming society including industry, business, politics, culture, medicine and so on.

Important Dates

- Paper Submission Due
- Acceptance Notification

PDF call
attached

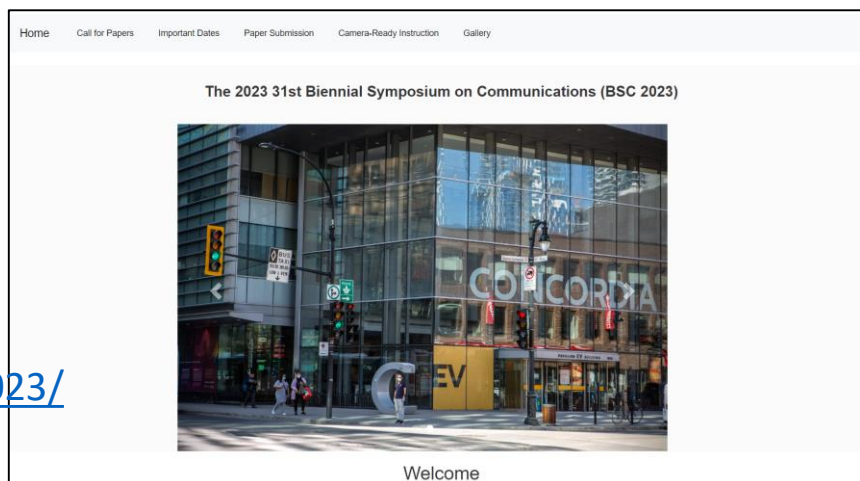
<http://icoin.org/main.php>

August 15, 2022 September 30, 2022 (Extended)
October 31, 2022

IEEE BSC 2023 – Biennial Symposium on Communications

BSC 2023 focuses on research areas in communications, information theory, and signal processing. The Symposium is held from June 26 to June 29 2023, in Montreal, Quebec, Canada.

<http://infotheory.ca/bsc2023/>



Upcoming deadlines:

- Submission deadline: March 1, 2023
- Conference Dates: June 26 – 29, 2023

TCCC Technically Co-Sponsored Conferences (recent past)

IEEE ANNSIM 2022 – Annual Modeling and Simulation Conference

July 18-20, 2022, San Diego State University, San Diego CA, USA

<https://scs.org/annsim/>

IEEE MedComNet 2022 – 20th Mediterranean Communication and Computer Networking Conference

June 1-3, 2022, Paphos, Cyprus

<https://www.medcomnet.org/>

IEEE WONS 2022 – 17th Wireless On-demand Network systems and Services Conference

March 30 - April 1, 2022, Virtual Conference

<http://2022.wons-conference.org/>

IEEE WONS 2022 Best Paper Award:

The WONS 2022 organizers have informed us that the WONS 2022 Best Paper Award was awarded to:

Holger Döbler (Humboldt-Universität zu Berlin),
and **Björn Scheuermann** (Technical University of Darmstadt),

for their paper "**CAMELAMA: Cooperative Awareness and spaceborne Monitoring Enabled by Location-Assisted Medium Access**".

<http://2022.wons-conference.org/program/#program>

Congratulations!

Past Technically Co-Sponsored Conferences

In this edition of our newsletter, the upcoming and most recent conferences under technical co-sponsorship have been presented.

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

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

Upcoming submission deadlines: (sponsored + technically co-sponsored)

October 3, 2022
 September 30, 2022
 September 30, 2022
 September 30, 2022
 November 14, 2022
 October 25, 2022
 December 9, 2022
 December 15, 2022
 February 23, 2023
 March 1, 2023
 March 1, 2023

PerCom extended paper registration
CyberC extended paper deadline
ITNAC extended paper deadline
ICOIN extended paper deadline
PerCom demo proposal submission
WoWMoM regular & WIP papers
PerCom WIP submission
WoWMoM workshop proposals
SMARTCOMP paper registration
WoWMoM workshop papers
BSC paper submission



Dates of upcoming conferences: (sponsored + technically co-sponsored)

September 23-25, 2022
 September 26-29, 2022
 October 12-14, 2022
 October 14-15, 2022
 November 11-13, 2022
 November 17-18, 2022
 November 30 - December 2, 2022
 January 11-14, 2023
 March 13-17, 2023
 June 12-15, 2022
 June 26-30, 2023
 June 26-29, 2023
 July 2023

7th IEEE **ICCSIE**, Brisbane, Australia
 47th IEEE **LCN**, Edmonton, Canada – **HYBRID**
 IEEE **FNWF**, Montreal, Canada – **HYBRID**
 2nd IEEE **INSAI**, Shanghai, China
 41th IEEE **IPCCC**, Austin, Texas, USA
 14th IEEE **CyberC**, Suzhou, China
 IEEE **ITNAC**, Wellington, New Zealand
 37th IEEE **ICOIN**, Bangkok, Thailand
 21st IEEE **PerCom**, Atlanta, USA
 24th IEEE **WoWMoM**, Boston, MA, USA
 9th IEEE **SMARTCOMP**, Nashville, Tennessee, USA
 IEEE **BSC**, Montreal, Canada
 28th IEEE **ISCC**, pre-announced for Tunisia



IEEE COMPUTER SOCIETY
TCCC

Technical Community on Computer Communications

2022 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:	Damla Turgut , University of Central Florida, U.S.A.
TCCC Past Chair:	Andreas Reinhardt , TU Clausthal, 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 Nils Aschenbruck , University of Osnabrück, Germany
Student Outreach Chair:	Matthias Wübbeling , University of Bonn and Fraunhofer FKIE, Germany
Industry Chair:	Girish Revadigar , Huawei International Pte. Ltd., Singapore
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.

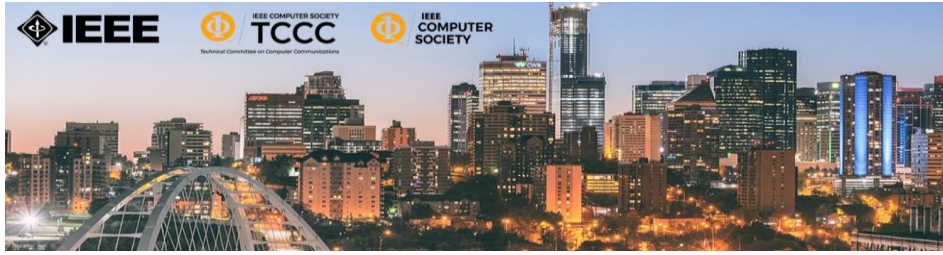
What would you like to read in the next TCCC newsletter?

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.



=====
The 47th IEEE Conference on Local Computer Networks (LCN)

Call for Participation (LCN 2022)

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Hybrid Format (Hosted in Edmonton, Canada)

September 26-29, 2022

<https://www.ieee1cn.org>

The IEEE LCN conference is the premier conference on the leading edge of theoretical and practical aspects of computer networking. LCN is a highly interactive conference that enables an effective interchange of results and ideas among researchers, users, and product developers. For the past 46 years, major developments from AI-enabled high-speed networking to application-focused IoT networks have been reported at this conference.

LCN 2022 includes main, symposium, short, doctoral and demo tracks.

It features:

* 2 Keynote addresses at disjunct times at the main conference:

1. "[Stochastic Multi-armed Bandit with Knapsack and Its Application in Wireless Edge Computing](#)"
by Prof. Ekram Hossain, FIEEE, P.Eng., FIEEE, FCAE, FEIC.
Department of ECE, University of Manitoba, Canada.
2. "[10 Scientific Challenges for 6G](#)"
by Prof. Mérouane Debbah, Technology Innovation Institute, Abu Dhabi (UAE),
Centralesupelec (France)
IEEE Signal Processing Society Distinguished Industry Speake

* 26 full paper presentations. Covered Topics include:

Information Centric Networks, Security, Wireless Sensor Networks, Video Streaming and Applications, Transport Protocols and Energy Efficiency, Wireless and Mobile Networks, Overlay Networks, SDN and NFV and Routing, Large Scale Networks and Big Data.

In addition to papers spanning many active domains and novel directions in networking, such as Quantum networks, AI/ML assisted network operation and provisioning, and battery-less IoT systems.

* 5 Symposium papers (6+1 pages)

* 35 short papers (4 pages) presented in four sessions.

* 9 Doctoral track – Full papers (8+1 pages)

* 7 demonstrations

* 1 Doctoral track – Promising ideas paper (4+1 pages)

LCN 2022 proceedings are accessible thru the Early access scheme at IEEE Xplore thru the link:

<https://ieeexplore.ieee.org/xpl/conhome/9843189/proceeding>

We would like also to announce that video recordings of the IEEE LCN 2021 keynote and best paper candidate presentations have been released recently on our YouTube channel.

Go to the LCN channel or directly go to the 2021 playlist, subscribe to the channel to receive future notifications, and enjoy the presentations!

Major presentations of LCN 2022 will also appear in the channel later.

<https://www.youtube.com/ieee1cn>

<https://www.youtube.com/playlist?list=PLf6HS4lVhMVsfqhYhHTY1zu1UVKjzGZlZ>

You are cordially invited to explore the content, share it with colleagues and students and register and attend the conference at:

<https://web.cvent.com/event/2c9fdd12-7543-4f68-8e73-bcb0f12dabd6/summary>

Sincerely,

General Chair: Lyes Khoukhi, ENSICAEN, Normandie Univ., France

Program Chair: Sharief Oteafy, DePaul Univ, USA

Program Co-Chair: Eyuphan Bulut, Virginia Commonwealth Univ., US,

Symposium Chair: Kanchana Thilakarathna, The Univ. of Sydney, Australia



IEEE PerCom 2023 – Call for Papers

IEEE PerCom, now in its 21st year, will be held in Atlanta, Georgia (USA), during March 13-17, 2023, as a physical event, with a provision for remote participation. PerCom is the premier annual scholarly venue in pervasive computing and communications. Pervasive computing is constantly at the forefront of mobile systems research, and has found its way into many commercial systems due to tremendous advances in a broad spectrum of technologies and topics such as wireless networking, mobile and distributed computing, sensor systems, ambient intelligence, and smart devices.

Scope

PerCom 2023 solicits research contributions in all areas pertinent to pervasive computing and communications, especially those that cross traditional research boundaries. In particular, we target:

- **Advances in pervasive systems and infrastructures:** middleware systems and services; data engineering for pervasive computing; clouds, fog and edge computing; integrations of smartphones and wearables in pervasive experiences; applications of device-to-device coordination.
- **Theories, models, and algorithms:** context modeling and reasoning; adaptive computing; activity and emotion recognition; programming paradigms; deep machine learning; federated learning; casual learning; continual learning; domain adaptation; cognitive computing; complex networks; spatio-temporal modeling techniques.
- **Domain-specific challenges and novel applications:** urban/mobile crowdsensing & intelligence; PerCom for healthcare and well-being; cyber-physical PerCom; smart homes and virtual assistants; mixed reality; sports analytics; crime prevention; pervasive nowcasting; urban robotics; pervasive AR/VR; smart vehicles; disaster sensing and management.
- **Intersections of PerCom with:** opportunistic networks; IoT and sensor systems; RFID systems; pervasive data science, cyber physical systems, 3D networks.
- **New techniques for user-level concerns:** participatory and social sensing; trust, security, privacy, and ethics; user interface, interaction, and persuasion; online and offline social networking and pervasive computing.
- **Technological innovations:** architectures, protocols, and technologies for pervasive communications; energy-harvesting, self-powered, or battery-less systems; mobile and wearable systems; smart devices and environments; positioning, navigation, timing, and tracking technologies; device-free human sensing.

Contributions can be analytical, empirical, technological, methodological, or a combination. Papers reporting strong systems engineering contributions backed by solid and appropriate evaluations are strongly encouraged. The impact of the contributions should be demonstrated in the context of pervasive computing and communications applications.

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Best Paper Award

The best paper will receive the prestigious Mark Weiser Best Paper Award

Workshops and Events

Workshops on focused topics
Industry Tracks
PhD Forum
Work In Progress Posters
Live Demos and
N2women

Submission & Information

Paper registration: October 3, 2022
percom.org

Special Issue

Selected papers will be invited to submit extended versions for a special issue of the Pervasive and Mobile Computing Journal

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Paper Submission: <https://edas.info/N29811> or Login EDAS at <http://edas.info/> by selecting "CyberC 2022". Electronic submission to Papers@cyberc.org with a title of "CyberC 2022 Submission" is also accepted.

Become a sponsor or others, contact:

Chi-Ming Chen at chimingchen@ieee.org

Bin Xie: Bin.Xie@Computer.org

EVENTS

Emerging Technology Summit: Co-hosted at Jiangsu with CyberC 2022 and the details will be available.

TCCC

CyberC 2022 is sponsored by [Technical Committee on Computer Communications](#).



IEEE COMPUTER SOCIETY
TCCC

Technical Community on Computer Communications

PRELIMINARY CALL FOR PAPERS

CyberC 2022

The 14th Int. Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery

Suzhou, China, November 17 - 18, 2022, www.Cyberc.org

2022 Theme: Cyber Computing of AI/ML, Cybersecurity, Image Processing, and Beyond 5G

Organizer: Xi'an Jiaotong-Liverpool University

Co-hosted by: IEEE Technical Community on Computer Communications (TCCC), IEEE Computer Society (CS), University of Louisville, Nanjing University of Posts & Telecommunications, Zhengzhou University, Guangzhou University, and Computer and Communication Special Committee of Jiansu Computer Society

Sponsored by: ZTE (Diamond), Huawei (Platinum), AT&T, InfoBeyond, Tech Mahindra
Publication: EI, Journal of [Sensor](#) (Special issue)

Scopes: CyberC promotes in-depth exploration of the most recent research and developments in the fields of AI, big data, distributed computing, clouds, cyber security, pervasive computing, mobile computing, Internet of Things, and other cyber-based technologies. Professors, scientists, engineers, and students in these areas are encouraged to participate. CyberC also welcomes industrial participations.

Suzhou: The 14th CyberC will be held in Suzhou, China.

Summits: CyberC 2022 co-hosts **Emerging Technology Summit (AI/ML, Blockchain, Big Data, Image, and 6G)** forum that emphasizes innovative and state-of-art R&D, industry products, specifications, showcases, tutorial, technical transitions, and markets.

Topics: The topics of interests include, but not limited to:

- Big Data, AI and Machine Learning
- Internet of things, localization, and distributed computing
- Blockchain theory and applications
- 6G and mobile computing
- Cyber Image and Surveillance
- Cybersecurity and network monitoring
- Signaling processing and wireless Communications
- IoT and cyber physical systems
- Cloud Computing and mobile services
- HPC and Distributed Computing

Deadline extended to Sep 30, see <http://www.cyberc.org/>

- Sensors, ICS, Power grids, and communications
- Cyber security and privacy, cyber trust, cyber agility, and cyber assurance

Co-hosted Workshops: CyberC 2022 incorporates three workshops:

- **Big Data & AI 2022:** The 8th International Workshop on Big Data and Artificial Intelligence
- **Cybersecurity & Blockchain 2022:** The 9th workshop on Cyber Security and Privacy
- **Cyber Image 2022:** The Second International Workshop Cyber Image Processing

INFORMATION FOR AUTHORS

The CyberC 2022 Proceedings will be published by IEEE CPS. **Full papers** for CyberC 2022 must not exceed 10 pages of IEEE 2-column format, while **short papers** must not exceed 4 pages. Please visit the conference web site at <http://www.cyberc.org> for precise formatting and submission instructions.

PAPR SUBMISSION

Submission via [EDAS](#) or submit paper to Papers@CyberC.org

IMPORTANT DATES

Submission deadline for full (10-page) and/or short (4-page) papers: **Sep. 10, 2022**
Notification of acceptance: **Oct. 20, 2022**
Camera-ready deadline: **Nov. 1, 2022**

SPECIAL ISSUE

<http://cyberc.org/Callforpapers/SpecialIssue>

AUTHOR CONTACTS

papers@cyberc.org

CyberC 2009-2021 Statistics (Average): 13 Keynotes; Number of submissions: 240, Number of accepted papers: 74, Number of Attendees: 130, Number of Sessions: 10.

CyberC 2022 Special Issue: CyberC 2022 provides a special channel for authors to submit your extended version to Journal of Sensors by MDPI. After submission of a CyberC version, you can submit an extended version to the Journal before December 30 2022.

CyberC QQ Group: 426380304

CyberC 2009 - 2019 Proceeding (Accepted papers): [EI](#), [IEEE Xplore](#), [Google Scholar](#), [Scopus](#), [DBLP](#)



International Telecommunication Networks and Application Conference



Nov 30–Dec 2, 2022 Wellington, New Zealand

AIMS & SCOPE

With the increasing number of emerging robust networks, the challenges to design new networking protocols, techniques, and applications are never ending. With the imminent deployment of 5G and 6G on the horizon, the demand for better service and quality has never been greater. ITNAC is a leading forum for researchers and engineers to present and discuss topics related to advanced telecommunication network technologies, services and applications.

ITNAC 2022 seeks to address and capture highly innovative and state-of-the-art research from academia, communications industry and standardisation bodies that covers applications for and analysis of distributed, mobile, cognitive and cloud computing, computer and data communications, local and metropolitan networks, optical, wired and wireless telecommunication networks and applications. Contributions are welcome on all advanced research and particularly (but not limited to) the following topics:

Mobile & Wireless Networks

- 5G/6G networks
- Internet of Things
- Multi-access Edge Computing, Fog Computing, MIST
- Modelling and Simulation
- Wireless access and routing protocols
- Cross-layer design optimisation
- Green, low power, energy efficient and sustainable networking
- Nature and bio-inspired approaches to networking
- Network-based mobile positioning and tracking systems
- Cognitive and cooperative principles for networking
- Mobile social and ambient networks
- Delay tolerant networks
- Mobile and fixed wireless broadband access networks
- Wireless sensor networks
- Vehicular Ad-hoc networks
- Cognitive networks
- Wireless mesh networks

Internet Technologies and Applications

- Network Modelling and Simulation
- Software defined networking
- Smart Cities and Smart Grids
- Content-centric networks
- Traffic engineering, congestion and admission control
- Datacenter networks and Cloud Computing
- Peer-to-peer networks and overlays
- Novel network-enabled applications and services
- Future Internet routing schemes or transport concepts
- IPv6 and its derivatives
- High performance network virtualisation
- Networking standards and regulations
- QoS/QoE provisioning and resource management
- Novel network-enabled applications and services

Optical Networking and Applications

- Modelling and Simulation
- Optical switching and routing
- Optical Network on Chips
- Visible light communication
- Optical Ethernet, EPON/GPON, 100Gb/s Ethernet
- WDM Access Networks, WDM-PON
- Wired/wireless convergence, Telecom/broadcast convergence, IPTV
- Hybrid optical-wireless access networks, Radio-over-fiber
- Large capacity optical transmission, WDM, OTDM
- OFDM and advanced modulation formats in photonics
- Energy efficient optical networks

Network Management, Privacy and Security

- Next generation network regulation
- Broadband network management
- Intrusion detection and prevention
- Key distribution and management
- Large-scale attacks and defense
- Security and privacy in wireless networks
- Network security policy, theory and tools
- Secure Mobile Agents and Mobile Code
- Trusted computing and management
- World Wide Web security
- Network resiliency and network security
- Cyber security

SUBMISSION INSTRUCTIONS

Submitted manuscripts should be written in English conforming to IEEE conference proceedings format (template available at <https://www.ieee.org/conferences/publishing/templates.html>).

We invite the following two types of submissions:

- **Full Papers** (6 pages complementary, and up to 8 pages with over length charge)
- **Short Papers** (3 pages complementary and up to 4 pages with over length charge).

All paper submissions must represent original and unpublished work. Papers must be submitted electronically in PDF format through EDAS

PUBLICATIONS

Accepted papers from this conference will be published in the proceedings (indexed by EI Compendex). Distinguished papers, after further revisions, will be considered for possible publication in SCI & EI indexed special issues of prestigious international journals. By submitting a paper to the conference, authors assure that if the paper is accepted, at least one author will attend the conference and present the paper.

IMPORTANT DATES

Deadline extended to Sep 30, see <https://itnac.org.au/>



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• itnac2022@ecs.vuw.ac.nz





The 37th International Conference on Information Networking (ICOIN 2023)

Jan. 11~14, 2023 | Bangkok, Thailand & Virtual Conference



Paper Submission Deadline : September 30, 2022 (Extended)

CALL FOR PAPERS

GENERAL INFORMATION

The 37th International Conference on Information Networking (ICOIN) will take place in Bangkok, Thailand, which is organized by Korea Institute of Information Scientists and Engineers (KIISE) and technically co-sponsored by IEEE. It has been 37 years since ICOIN originally started under the name of Joint Workshop on Computer Communication in 1986. In past thirty years, computer communication and networking technologies have changed every aspect of our lives and societies. While computer networks have contributed largely to the current IT advancement, it will play a key role in new IT paradigms such as IoT and cloud computing and will be applied to various areas of the upcoming society including industry, business, politics, culture, medicine and so on. ICOIN is the most comprehensive conference focused on the various aspects of advances in computer communication and networking technologies. The main purpose of ICOIN 2023 is to improve our research by achieving the highest capability and encourage open discussions on computer communication and networking technologies. Authors are invited to submit original unpublished manuscripts that demonstrate recent advances in computer communications, wireless/mobile networks, and converged networks in the theoretical and practical aspects.

RELATED TOPICS

Potential topics in this conference include, but are not limited to:

- 5G/6G cellular systems and heterogeneous networks
- Ad-hoc and sensor networks
- Artificial intelligence (AI) and autonomous networking
- Big data/Cloud computing and networks
- Blockchain platforms and services
- Cognitive radio, cooperative communication and networking
- Content distribution network (CDN)
- Contents/Information centric networking (CCN/ICN)
- Cross-layer design and optimization
- Cyber-physical system (CPS)
- Delay/Disruption tolerant network (DTN)
- Device-to-device communications
- Distributed database and data mining
- Energy-efficient protocols, green networks, and smart grid
- Future Internet and future networks
- Healthcare systems and networks
- Industrial networks and smart factory
- Internet and web-based database systems and applications
- Internet of things and machine-to-machine communications
- Machine learning and networking
- Mobile Edge Computing
- Multimedia/database systems and applications
- Networked computing systems and devices
- Network performance analysis/measurement and evaluation
- Network security, trust and privacy
- Network simulation and modeling

- Network survivability and reliability
- Network science
- Network traffic management
- Optical networks
- Operating systems and middleware support for networking
- Peer-to-peer (P2P)/Overlay networks
- Pricing and billing
- QoS and resource management
- Routing, switching, and addressing
- Social computing and networks
- Software defined networking (SDN) and network virtualization
- Ubiquitous home and office networking
- Underwater networks
- Vehicle-to-everything (V2X) and autonomous cars
- VR/AR Streaming
- Wireless/mobile networks (WBAN/WPAN/WLAN/WMAN/WWAN)
- Wireless mesh/multihop networks

SUBMISSION AND PUBLICATION

Authors are invited to submit full paper (5~6 pages) or short paper (3~4 pages) electronically as PDF files through EDAS. The direct link for paper submission is <https://edas.info/N29628>. Details about the submission process including formatting instructions will be available at the conference website, <http://www.icoin.org>. Papers must be submitted using the IEEE conference template. The direct link for the template is http://www.ieee.org/conferences_events/conferences/publishing/templates.html. All submitted papers are subject to peer reviews by Technical Program Committee members. Accepted papers for presentation in the conference will appear in the proceedings which will be available to participants during the conference. More details will be made available in subsequent announcements and on our website. There will be Best Paper Awards for outstanding contributed papers.

Important Dates

- Paper Submission Due: **September 30, 2022 (Extended)**
- Acceptance Notification: **October 31, 2022**
- Camera-ready Due: **November 30, 2022**
- Conference Dates: **January 11-14, 2023**

Accepted papers will be published in the proceedings with an assigned ISBN number and submitted to IEEE Xplore.

CONTACT INFORMATION

If you have any questions about the CFP and papers submission, please send any inquiry to TPC Chair: Prof. Seokjoo Shin (sjshin@chosun.ac.kr). Homepage: <http://www.icoin.org>

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