IEEE COMPUTER SOCIETY

IEEE COMPUTER SOCIETY TCCC
Technical Community on Computer Communications

December 2023 Newsletter	http://cs-tccc.org/

Editorial

The end of the year 2023 is approaching, which was an exciting and successful year for the TCCC supported conferences. The upcoming 2024 TCCC conferences are spread around the world in their locations, two in the US, three in France/Europe and one in Vietnam, Japan and Australia, each. Get an updated overview on our conferences in this newsletter.

We wish you a successful year 2024 and best wishes with season's greetings

Damla Turgut (TCCC Chair), Matthias Frank (Communications Chair)

Contents

Featuring: SMARTCOMP, LCN

TCCC supported activities at a glance

N2 Women

ICOIN

LCN   IPCCC   SMARTCOMP

Student participation grants   INSAI   ISCC   CyberC

MASCOTS   ANNSIM   TCHPC   PerCom   WoWMoM

1. Awards at IEEE LCN 2023, Daytona Beach

Four **best paper candidate presentations** were given in a plenary session at the LCN 2023 conference on Monday October 2, 2023. The final best paper recipient was selected based on the quality of the presentation by a jury composed of LCN committee members.

The **best paper award** was given
- to **Jingyuan Zhang** (Georgia Institute of Technology, USA)
- for the presentation "Coverage Analysis for Multi-Hop Communication in Intelligent-Surface-Assisted mmWave WLANs"

Jingyuan Zhang (with Damla Turgut, TCCC Chair)

Eight **demo presentations** were given in the combined demo & poster session on Tuesday October 3, 2023. The final best demo paper was selected by audience vote.

The **best demo award** was given
- to Alisa Stiballe (Paderborn University, Germany); Simon Welzel (TU Ilmenau, Germany); Johannes Dorfschmidt, Darvin Schlüter, Dominik Delgado Steuter and Jannik Hense (Paderborn University, Germany); Florian Klingler (TU Ilmenau & Paderborn University, Germany))
- for their demo "Chat Based Emergency Service via Long Range Wireless Communication (LoRa)"

Simon Welzel, Florian Klingler, Alisa Stiballe (left to right)

See more about the IEEE LCN Awards at
https://www.ieeelcn.org/Annals_Awards.html

Awards at IEEE LCN 2023, Daytona Beach (continued)

A limited number of **participation grants** are usually available **for student authors attending** the LCN 2023 conference. The grants are sponsored by the IEEE Computer Society Technical Committee on Computer Communications (TCCC).

The photos show the student authors receiving grants for LCN 2023.

Tasdiqul Islam - University of Texas at Arlington, USA
A Heuristic Approach for Scalable Quantum Repeater Deployment Modeling

Mohammad Majid Akhtar- University of New South Wales, Australia
Towards Automatic Annotation and Detection of Fake News

Mohammad Majid Akhtar-
with Damla Turugt (TCCC Chair)
and his advisor Salil S. Kanhere

Awards at IEEE LCN 2023, Daytona Beach (continued)

The photos show the student authors receiving grants for LCN 2023.

Francesco Mancuso - University of Pisa, Italy
Naval Cybersecurity in the Age of AI: Deceptive ISAR Images Generation with GANs presented at the MARCAS Workshop

Francesco, receiving the certificate at the award ceremony at the conference dinner with Florian Tschorsch (left, LCN 2023 Program Co-Chair) and Sharief Oteafy (LCN 2023 General Chair)
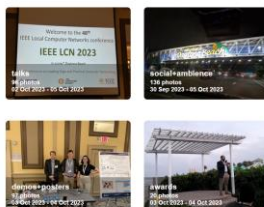
See much more photos of the conference in the photo gallery:
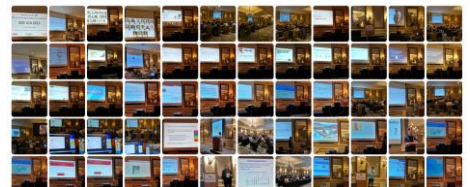
https://www.ieeelcn.org/Annals_Prior_LCN.html

2. T&C Distinguished Service Award

Dr. Frank Huebner (Tucson, AZ, USA) has been awarded the 2023 IEEE Computer Society Technical & Conference Activities Board **Distinguished Service Award** for his outstanding and continuous service to the Technical Community on Computer Communications.

Frank Huebner (on the right), at IEEE LCN 2023
with Andreas Reinhardt (TCCC Past Chair)

Congratulations!

Frank has served as "Finance Chair" in the TCCC executive committee (ExCom) for many years. The TCCC October 2006 newsletter [1] reports on the introduction of initial ExCom members by the TCCC Chair Archan Misra, where Frank agreed to join the ExCom as Finance Chair to coordinate the financial planning of TCCC's activities and to be responsible for the many facets of bookkeeping that require significant diligence and time. Frank held this position until 2022.

Frank Huebner
at IEEE LCN 2023
with Sharief Oteafy
(LCN 2023 General Chair)

Frank also received the T&C **Distinguished Leadership Award** in 2018. See more about T&C Awards at [2].

[1]   https://cs-tccc.org/newsletter/2006-10/

[2]   https://www.computer.org/volunteering/boards-and-committees/technical-activities/awards

3. TCCC Sponsored Conferences

IEEE PerCom 2024 – 22nd International Conference on Pervasive Computing and Communications   http://www.percom.org/

IEEE PerCom, now in its 22nd year, will be held in Biarritz (France), during March 11-15, 2024, as a physical in-person conference. 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.

IEEE Percom 2024 will be held in person. Remote presentations and pre-recorded videos are not allowed unless all authors of an accepted paper are under special circumstances that prevent them from attending the conference in person. Requests for such exceptions will be considered carefully by the organizing committees. We are sympathetic to concerns and sentiments about our in-person focus. We will fully accommodate remote authors/speakers if they have Visa-related travel issues or COVID/health-related travel issues.

https://twitter.com/IEEEPerCom   https://www.facebook.com/percom/

TCCC Sponsored Conferences (continued)
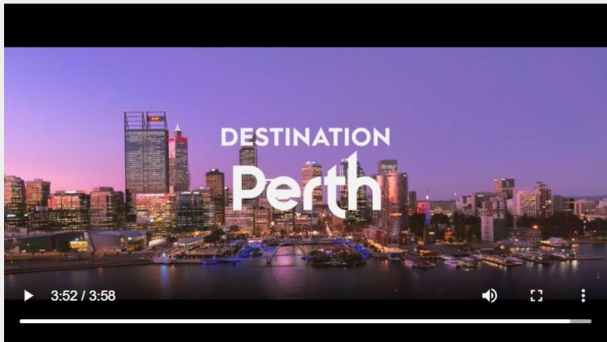
IEEE WoWMoM 2024 – 25th International Symposium on a World of Wireless, Mobile and Multimedia Networks

https://www.cse.unsw.edu.au/~wowmom/2024/index.html

JUNE 04-07 2024, PERTH, WESTERN AUSTRALIA

HOME
CALL FOR PAPERS
SUBMISSION INSTRUCTIONS
WORKSHOPS
TECHNICAL PROGRAM
WORKSHOPS PROGRAM
INDUSTRY SESSION
PANELS
KEYNOTE SPEAKERS
CALL FOR WORKSHOPS
PH.D. FORUM
N2WOMEN
CALL FOR DEMOS AND POSTERS
COMMITTEES
SPONSORSHIP OPPORTUNITIES
VENUE
ATTRACTIONS
PAST CONFERENCES
DIVERSITY, EQUITY, AND INCLUSION
PRIVACY

IMPORTANT DATES

Regular & Work in Progress Papers

Paper due:
December 1, 2023
December 17, 2023

Acceptance notification:
February 19, 2024

Camera-ready version:
April 14, 2024

Demos and Posters

Submission due:
March 8, 2024

Acceptance notification:
April 5, 2024

Camera-ready version:
April 14, 2024

Workshop Papers

Submission due:
March 1, 2024

Welcome to the 25th 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.
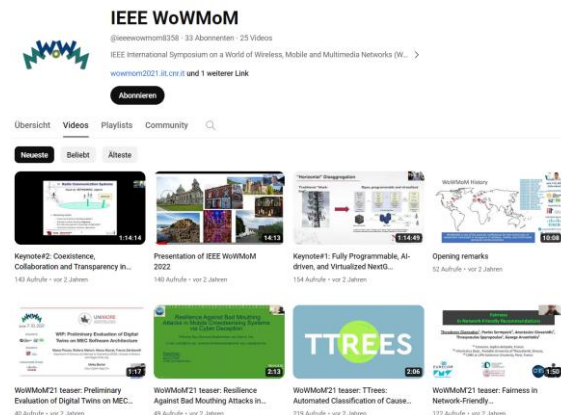
WoWMoM 2024 will be a four-day event with a technical programme including paper presentations, keynote speeches, hot-topic panel sessions, workshops, and a postgraduate forum. All papers (regular, workshops, demo, postgraduate forum) will be included and indexed in the IEEE Digital Library (IEEE Xplore), showing their affiliation with IEEE WoWMoM.

Some deadlines still open:

- Workshop Papers due: **March 1, 2024**
- Demos and Posters due: **March 8, 2024**
- Ph.D. forum abstracts due: **March 14, 2024**
- N2Women Fellowship application: **TBA**

YouTube channel of WoWMoM:

https://www.youtube.com/@ieeewowmom8358

TCCC Sponsored Conferences (continued)

IEEE ISCC 2024 – 29th IEEE Symposium on Computers and Communications

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

29th IEEE Symposium on Computers and Communications (ISCC)
IEEE ISCC 2024 | 26-29 June, Paris, France
Computers and Communications for the benefits of Humanity

HOME | ABOUT | COMMITTEE | AUTHORS | PROGRAM | KEYNOTES | WORKSHOPS | TUTORIALS | REGISTRATION | AWARDS

CAMERA-READY SUBMISSION INSTRUCTIONS >>

EQUITY, DIVERSITY, AND INCLUSION STATEMENT >>

HOTEL AND TRAVEL >>

READY FOR IEEE ISCC 2024?

All important dates will be added! Stay Tuned!

IMPORTANT DATES

Proposals for Special Sessions, Tutorials and Workshops: TBD

Submission Deadline: TBD

Workshops Submission Deadline: See workshop web site <link>

Notification of Acceptance: TBD

Author Registration Deadline: TBD

IEEE ISCC Conference Opening: TBD

https://attend.ieee.org/iscc-2024/

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. ISCC takes place annually, usually in the Mediterranean region, in locations such as Egypt, Cyprus, Tunisia, Portugal, Morocco, Italy, Brazil, Spain, France, Greece, and Tunisia. This year (2024), the 29th IEEE Symposium on Computers and Communications will be held in Paris, France by the summer, from the 26th to the 29th of June.

ISCC sessions will include presentations on new research results and tutorials. Papers describing original work are invited in any of the computer and communications areas that the Call for Papers considers. Accepted papers will be included in the ISCC 2024 Conference Proceedings, which will be subject to independent peer-review procedures for quality, and may be eligible for inclusion in the IEEE Xplore® Digital Library. Merit, relevance, and originality will guide paper acceptance. Best Paper Award and Best Student Paper Awards will be presented.

IEEE ISCC 2024, in its 29th edition, will provide an insight into the unique world stemming from the interaction between the fields of computers and communications. IEEE ISCC 2024 will provide an international technical forum for experts from industry and academia to exchange ideas and present results of ongoing research in most state-of-the-art areas of computers and communications.

TCCC Sponsored Conferences (continued)

IEEE SMARTCOMP 2024 – 10th International Conference on Smart Computing

IEEE SmartComp 2024   https://smartcomp.w.waseda.jp/

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.

Applications of smart computing can be found in different societal domains including, but not limited to, transportation, energy, environmental protection, smart and connected communities, healthcare, banking, industrial systems, entertainment, and social media. Algorithmic and system advancements of cloud computing, mobile/pervasive computing, cyber-physical systems, sensor networking and social computing are taking smart computing to a new dimension and improving our ways of living.

SMARTCOMP 2024 is the 10th edition of the conference and will be held at OSAKA INTERNATIONAL CONVENTION CENTER.

Five workshops!

Upcoming deadlines:

- Main Conference Paper Submssion: **February 29, 2024**
- Workshop Paper Submission: **March 31, 2024**
- WiP/Demo/Poster Submission: **TBA**
- PhD Forum Submission: **TBA**
- Travel Grant Application: **TBA**

PDF call attached

SmartComp2024 Workshops

Five workshops have been announced for SmartComp 2024.

See details at
https://smartcomp.w.waseda.jp/workshops/

TCCC Sponsored Conferences (continued)

IEEE LCN 2024 – 49th International Conference on Local Computer Networks

https://www.ieeelcn.org/

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. Please join us for LCN 2024, our 49th annual meeting, in Caen, France!
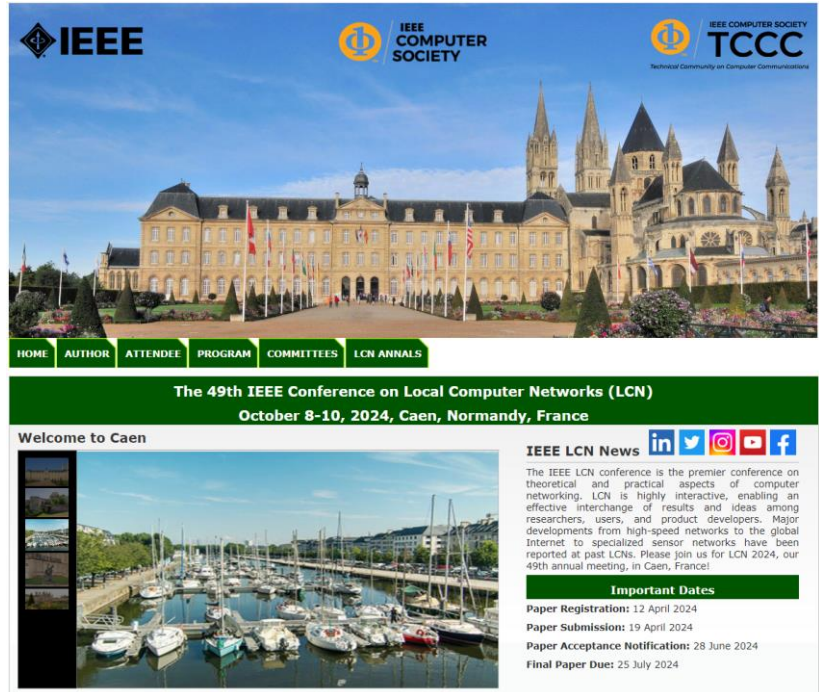
Deadlines see on the last pages
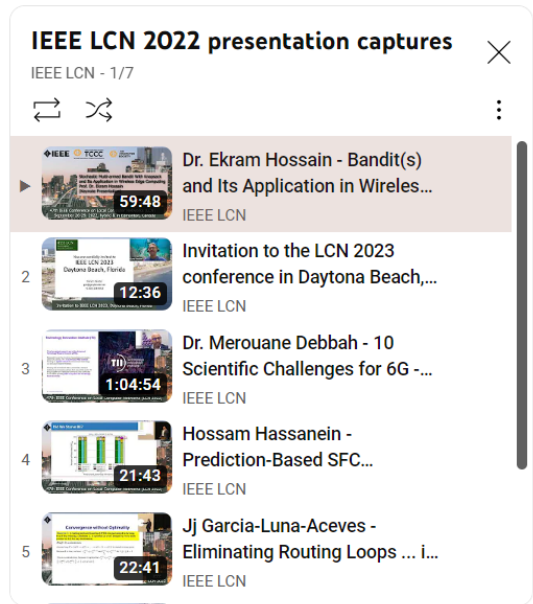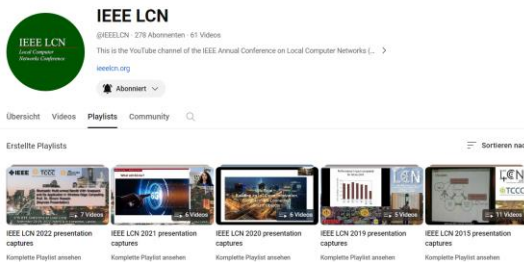
The @IEEELCN YouTube channel has playlists with collections of major LCN presentation recordings, for the years 2022, 2021, … going back up to 40th LCN in 2015.
The LCN 2023 presentation recordings will follow soon in 2024.

https://www.youtube.com/@IEEELCN

TCCC Sponsored Conferences (continued)

IEEE IPCCC 2022 – 43rd International Performance Computing and Communications Conference   https://ipccc.org/

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. We encourage submission of high-quality papers reporting original work in both theoretical and experimental research areas.

This year, IPCCC will be utilizing **IEEE Open Preview** to allow the conference proceedings to be available in the **IEEE Xplore® Digital Library** and conference mobile app (if applicable), free of charge to all IEEE Xplore® customers, prior to the conference start date.

43rd IEEE -- International Performance Computing and Communications Conference

IPCCC 2024

(conference #59868)

Nov 22 – 24, 2024

Orlando, Florida, USA

General Information
Contact and Committee Information
Author's Information
Registration
Program
Workshops
Hotel Information

Privacy and GDPR Compliance

IEEE Xplore Open Preview

All submission dates still TBD:

Important Dates

	Main Conference	Workshop
All Paper/Poster Submissions Due:	*TBD*	*TBD*
Early Acceptance Notification:	*TBD*	*TBD*
Acceptance Notification:	*TBD*	*TBD*
Camera Ready "Final Manuscript" Due:	*TBD*	*TBD*
November 22 – 24, 2024:	Conference	

(check back later to see updates)

https://twitter.com/ipccc   https://www.linkedin.com/groups/7058666/

TCCC Technically Co-Sponsored Conferences (upcoming)

IEEE ICOIN 2024 – 38th International Conference on Information Networking

The 38th International Conference on Information Networking (ICOIN) will take place in Ho Chi Minh City, Vietnam & virtual conference, which is organized by Korea Institute of Information Scientists and Engineers (KIISE) and technically co-sponsored by IEEE and IEICE. It has been 38 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 2024 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.

https://www.icoin.org/

Registration

Deadlines
- Author Registration Deadline: December 22, 2023
- Early Registration Deadline: December 31, 2023

On-Site and virtual participation

2024 Annual Modeling and Simulation Conference ANNSIM

Hosted by The Society for Modeling and Simulation International (SCS), the 2024 Annual Modeling and Simulation Conference (ANNSIM'24) is the annual conference that covers state-of-the-art developments in Modeling & Simulation (M&S). The conference includes keynote

IMPORTANT DATES

Paper Submission Deadline: January 14, 2024
Acceptance Notification: March 1, 2024
Camera-ready Version Deadline: March 20, 2024
Conference Program Announced: April 3, 2024

Paper submission still open

speeches presented by technology and industry leaders, technical sessions, and tutorials for professional development. Scientists, engineers, managers, educators, and business professionals who develop or use M&S methodologies and tools are invited to participate and present original contributions. ANNSIM'24 invites original contributions to the theory, methodology, and practice of modeling and simulation in any discipline.

https://annsim.org/

TCCC Technically Co-Sponsored Conferences (recent past)

3rd International Conference on Networking Systems of AI (INSAI 2023)

November 4-5, 2023, Xi'an City, China   http://insai2023.ainsai.org/

IEEE CyberC 2023 – 15th International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery

November 2-4, 2023, Jiangsu, China   https://cyberc.org/Home/About

31st International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems (MASCOTS 2023)

October 16-18, 2023, Stony Brook, NY, USA   https://mascots.iitis.pl/

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/

2023 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
Conference Liaison Chairs:	**Salil Kanhere**, The University of New South Wales, Australia
	Burkhard Stiller, University of Zürich, Switzerland
	Nils Aschenbruck, University of Osnabrück, Germany
Finance Chair:	**Soumaya Cherkaoui**, Polytechnique Montreal, Canada
Student Outreach Chair:	**Matthias Wübbeling**, University of Bonn and Fraunhofer FKIE, Germany
Communications Chair:	**Matthias Frank**, University of Bonn, Germany
TCHPC Representative:	**Anura Jayasumana**, Colorado State University, U.S.A.

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

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

January 14, 2024	**ANNSIM** paper submission
February 29, 2024	**SMARTCOMP** paper submission
March 31, 2024	**SMARTCOMP** workshop paper subm.
March 1, 2024	**WoWMoM** workshop papers
March 8, 2024	**WoWMoM** demo papers
March 14, 2024	**WoWMoM** Ph.D. forum abstracts
April 12, 2024	**LCN** paper registration
April 19, 2024	**LCN** paper submission
tbd, later	**LCN** demo registration/submission
tbd	**ISCC** 2024 deadlines (conference in June 2024)
tbd	**IPCCC** 2024 deadlines (conference in November 2024)

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

January 17-19, 2024	38th IEEE **ICOIN**, Ho Chi Minh City, Vietnam + Virtual
March 11-15, 2024	22nd IEEE **PerCom**, Biarritz, France
May 20-23, 2024	**ANNSIM**, Washington, D.C., USA
June 04-07, 2024	25th IEEE **WoWMoM**, Perth, Western Australia
June 26-29, 2024	29th IEEE **ISCC**, Paris, France
June 29 – July 2, 2024	10th IEEE **SMARTCOMP**, Osaka, Japan
October 8-10, 2024	49th IEEE **LCN**, Caen, Normandy, France
November 22-24, 2024	43rd IEEE **IPCCC**, Orlando, Florida, USA

IEEE COMPUTER SOCIETY
TCCC
Technical Community on Computer Communications

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 Community on Computer Communications

10th IEEE International Conference on Smart Computing (SMARTCOMP 2024)
Osaka, Japan
June 29th to July 2nd

https://smartcomp.w.waseda.jp/

SMARTCOMP 2024, the 10th edition of the premier conference on smart computing, will be held in Osaka, Japan at the end of June 2024. 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, ambient intelligence, and artificial intelligence. Applications of smart computing can be found in various societal domains, including transportation, energy, environmental protection, smart and connected communities, healthcare, industrial systems, and entertainment. Algorithmic and systems advancements of cloud computing, mobile and pervasive computing, sensor networking, and social computing are taking smart computing to a new level while improving our ways of living. SMARTCOMP 2024 welcomes novel, cutting-edge and creative research contributions. Authors are encouraged to discuss the importance, timeliness, and significance of their work as well as limitations, future opportunities and open research directions.

Main Research Track

SMARTCOMP 2024 solicits submissions that address the fundamental questions of smart computing, that is how to design and build scalable and reliable smart computing systems, and how to use computing technology for resource sustainability to improve the human experience. Topics of interest include – but are not limited to – the following:

- Emerging Smart Computing Paradigms
- Algorithms for Smart Computing
- AI and Machine Learning in Smart Computing
- Security, Privacy, and Trust in Smart Computing
- Smart and Usable Security and Privacy
- Fairness and Socio-technical Aspects of Smart Computing
- Middleware for Smart Systems
- Mobile and Ubiquitous Smart Systems, Wearable Computing and IoT
- Intelligent Cyber-Physical Systems
- Cloud, Edge, and Fog based Smart Computing Platforms
- Data Architectures and Analytics for Smart Computing
- Distributed Sensing and Computation
- Novel Communication Paradigms in Smart Computing
- Low Power Communication and Computing for Smart Systems
- Social Computing and Smart Systems
- Quantum Computing in Smart Systems
- Interdisciplinary Approaches to Smart Computing
- Appl. of Smart Computing, e.g. Smart Communities, Health, Industry

Paper Submission Guidelines: Paper submissions must be no longer than 8 pages (the page count limit includes the references list) and formatted according to the two-column IEEE proceedings template. All submitted papers that conform to these guidelines will be subject to peer reviews by Technical Program Committee members and other experts in the field. All presented papers will be published in the conference proceedings and submitted to the IEEEXplore Digital Library.

SUBMISSION URL (paper registration from November 1st, 2023):
https://edas.info/N31641

Journal Fast Track: Extended versions of selected high-quality papers accepted by IEEE SMARTCOMP 2024 will be considered for publication in Elsevier's Pervasive and Mobile Computing journal (IF: 4.3).

- Research papers should be submitted to the **Main Track** section of the conference (check EDAS submission link above).
- Two additional pages for the camera ready version can be purchased after the paper review and selection.

Important Dates
Paper Submission: February 29, 2024

Acceptance Notification: April 5, 2024

Camera Ready (tentative): May, 10 2024
Conference*: June 29 – July 2, 2024*
All deadlines are Anywhere on Earth.

Industry Track

In addition to the main research track, the conference invites innovative applications and advances in the industrial use of smart computing technology. The industry track will provide a forum to discuss novel ideas and emerging results, present innovative applications and tools, and bring about novel research questions, approaches, and directions with an industry focus. The conference industry track draws upon many industrial applications such as transportation, energy, environmental protection, resource management, healthcare, security, banking, entertainment, and social media. An important criterion for papers to be submitted to the Industry Track is the clear industrial association, either in the form of an extensive evaluation of research results in industrial use cases or the active participation of industry representatives as co-authors. Accepted papers will be published as part of a separate section of the main conference proceedings that highlights the Industry relevance of the submission.

Industry Track Topics include, but are not limited to, the following:

1. Smart Cyber-Physical Environments and Energy / Water / Agriculture / Transportation / Healthcare / Banking Infrastructure / ...
2. Security, Privacy, and Economics in Smart Environments
3. Smart and Connected Communities across Cities
4. Smart Computing Technologies
5. Future Smart Computing Paradigms
6. Smart Human-centric Environments, Health, Entertainment, and Social Activities
7. Artificial Intelligence and Machine Learning for Smart Computing

Industry-track submission guidelines

- Industry track papers should be submitted in the **Industry Track** section (check EDAS submission link above)
- Also, two additional pages for camera ready version can be purchased after the paper review and selection.

Potential contributors are encouraged to look at the other calls associated with the main conference. This includes calls for various workshops, PhD forum, work in progress, demonstrations and posters sessions.

SUBMISSION URL (paper registration from November 1st, 2023):
https://edas.info/N31618

Important Dates
Paper Submission: February 29, 2024

Acceptance Notification: April 5, 2024

Camera Ready (tentative): May, 10 2024
Conference*: June 29 – July 2, 2024*
All deadlines are Anywhere on Earth.

Organizers

General Co-Chairs
Hayato Yamana (Waseda University, Japan)
Franca Delmastro (IIT-CNR, Italy)

Technical Program Committee Co-Chairs
Dario Bruneo (University of Messina, Italy)
Dirk Pesch (University College Cork, Ireland)

Industrial Track Co-Chairs
Kyoungsook Kim (AIST, Japan)
Eduard Marin Fabregas (Telefonica, Spain)

Workshop Co-Chairs
Jin Nakazawa (Keio University, Japan)
Eirini Eleni Tsiropoulou (Univ. of New Mexico, USA)

Tutorial Co-Chairs
Keiichi Yasumoto (NAIST, Japan)
Meiyi Ma (Vanderbilt University, USA)

Panel Co-Chairs
Kei Hiroi (Kyoto University, Japan)
Stephan Sigg (Aalto University, Finland)

Demo & Poster Co-Chairs
Yuki Matsuda (NAIST, Japan)
Francesco Betti Sorbelli (University of Perugia, Italy)

PhD Forum Co-Chairs
Shameek Bhattacharjee (Western Michigan Univ., USA)
Debashri Roy (University of Texas at Arlington, USA)

Finance Co-Chairs
Masato Oguchi (Ochanomizu University, Japan)
Maciej Jan Zawodniok (Missouri Univ. of S&T, USA)

Publicity and Social Media Co-Chairs
Takuro Yonezawa(Nagoya University, Japan)
Ella Peltonen (University of Oulu, Finland)

Web Co-Chairs
Ruixiao Li (Waseda University, Japan)
Takuya Suzuki (Waseda University, Japan)

Local Organising and Registration Co-Chairs
Hirozumi Yamaguchi (Osaka University, Japan)
Manato Fujimoto (Osaka Metropolitan Univ., Japan)
Hiroki Kudo (Kyoto Tachibana University, Japan)

Publication Co-Chairs
Sunyanan Choochotkaew (IBM Research Tokyo, Japan)
Chenghsin Hsu (National Tsinghua University, Taiwan)

Steering Committee Co-Chairs
Giuseppe Anastasi (University of Pisa)
Jiannong Cao (Hong Kong Polytechnic University)
Sajal K. Das (Missouri University of Science and Technology)

IEEE LCN
Local Computer Networks Conference

Preliminary Call for Papers

IEEE COMPUTER SOCIETY
TCCC
Technical Community on Computer Communications

49th Annual IEEE Conference on Local Computer Networks

Caen, Normandy, France
8-10 October 2024
https://www.ieeelcn.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 exchange of results and ideas among researchers, users, and product developers. For the past 48 years, major developments from AI-enabled high-speed networking to application-focused IoT networks and trending areas like quantum networking have been reported at this conference. Topics of interest include, but are not limited to:

- Personal and wearable networks
- Wireless ad hoc & sensor networks
- Information-centric networking
- Embedded networks
- Opportunistic networking
- Delay-tolerant networks
- Cognitive radio networks
- Vehicular networks
- Smart Grid communications
- Underwater sensor networks
- Cyber-physical systems
- Social networks
- Mobile and ubiquitous networking
- Green networking
- Overlay and peer-to-peer networks
- Local-area and metropolitan-area networks
- Storage-area networks
- Routing and transport protocols
- Big Data Networking
- Cloud computing and networking
- Software Defined Networking and Network Function Virtualization
- Internet of Things
- Link technologies
- Adaptive networking applications
- Authentication, authorization, accounting
- Security and privacy
- Cross-layer optimization
- Mobility and Location-dependent services
- Multimedia and real-time communication
- Machine-to-machine communications for smart environments
- Smart Cities
- Network traffic characterization and measurements
- Network management, reliability and QoS
- Performance evaluation of networks
- Test beds for network experiments
- Network coding
- Optical and high-speed access networks
- E-Health networking
- AI-enabled networking
- Satellite communication and networks
- Quantum communication and networking

Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or journal. There are a number of tracks that are designed to improve interactions of experts over different stages in research development.

- *Full Regular papers* (maximum 8 pages plus references, 10 pt font in IEEE format) should present novel perspectives within the general scope of the conference.
- *Short papers* (maximum 6 pages plus references, 10 pt font in IEEE format) are an opportunity to present preliminary or interim results on hot topics in a poster session.
- *Doctoral track papers* (maximum 6 pages plus references, 10 pt font in IEEE format) provide a supportive setting for Ph.D. students (who must be the first author) to discuss their problem statement, methods, results, obtain feedback from established researchers and establish contacts for entering the job market. The doctoral track involves a mentoring program.

We are also holding dedicated special tracks (e.g., invited workshops, papers) focusing on nascent and promising areas in networking research, which shall involve experts in those areas seeking to foster collaborative development.

Full, short, special track, and doctoral papers are published in the IEEE LCN proceedings and IEEE Xplore. All published papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. IEEE reserves the right to remove papers from IEEE Xplore that are not presented at the conference.

Paper Submission: Papers must be registered on EDAS and submitted in PDF format. Detailed submission instructions are available at the conference website. Direct your questions to Program Chairs: Florian Tschorsch and Kanchana Thilakarathna (**program@ieeelcn.org**).

A limited number of students grants and N^2Women Young Researcher Fellowship awards are considered by the conference each year.

Important Dates:
- Paper registration: April 12, 2024
- Paper submission: April 19, 2024
- Notifications: June 28, 2024
- Camera ready: July 25, 2024