



From: Long Cai HK <longcaihk@GMAIL.COM>
Sent: March 13, 2019 12:32 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] FW: Call for Papers - ICBMSHB 2019 @ San Francisco, California, USA [SCI/SCOPUS Indexed Publications]

Dear Colleagues,

CALL FOR PAPERS

The International Conference on Business Management, Society and Human Beings 2019 (ICBMSHB 2019) will be held on June 28 - 29, 2019 at San Francisco, California, United States of America, paper submission deadline: May 10, 2019

Webpage: <https://icbmshb.coreconferences.com/>

ICBMSHB 2019 is an opportunity for academics, students, scholars, scientists and engineers from around the world who are involved in the study, management, development and implementation of systems and concepts to combat information warfare or to improve Business Management, Society and Human Beings to come together and exchange ideas. This conference is trying to establish itself as a key event for the understanding of threats and risks to information systems, the development of a strong security culture, and incident investigation. Please consider submitting to this conference. We are interested in the entire range of concepts from theory to practice, including case studies, works-in-progress, and conceptual explorations. Prospective authors are invited to submit original technical papers by the deadline for publication in the ICBMSHB 2019 Conference Proceedings and for presentation(s) in the symposia listed below. Deadlines will be strictly matched and late papers will be summarily rejected. The conference welcomes papers on the following (but not limited to) research topics.

IMPORTANT DATES

Paper Submission due: May 10, 2019

Notification to authors: Continuous Process

Camera ready due: May 20, 2019

PAPER SUBMISSION

Authors should submit a paper in English, carefully checked for correct grammar and spelling, addressing one or several of the conference areas or topics. Each paper should clearly indicate the nature of its technical/scientific contribution, and the problems, domains or environments to which it is applicable. Only original papers should be submitted. Authors are advised to follow ethical norms regarding plagiarism and self-plagiarism thoroughly before submitting and must make sure that their submissions do not substantially overlap work which has been published elsewhere or simultaneously submitted to a journal or another conference with proceedings. Papers that contain any form of plagiarism will be rejected without reviews.

Authors can submit their work in the form of a Regular Paper, representing completed and validated research, or as a Position Paper, portraying a short report of work in progress or an arguable opinion about an issue discussing ideas, facts, situations, methods, procedures or results of scientific research focused on one of the conference topic areas. All papers must be submitted through the online submission platform. After the paper submission has been successfully completed, authors will receive an automatic confirmation e-mail. All the papers should be of 6 pages length.

Paper Submission webpage: <https://mysubmissions.online/icbmshb-2019/>

Poster Submission Webpage: <https://mysubmissions.online/icbmshb-2019/>

Long Cai, PhD,

Conference Publicity Chair

CoreConferences

TCCC Announce: For announcements concerning computer networking and communications.

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<https://comsoc-listserv.ieee.org/>



From: lpham6 <lpham6@MASONLIVE.GMU.EDU>
Sent: March 12, 2019 11:40 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] DEADLINE APPROACHING: 5th IEEE Workshop on Security and Privacy in the Cloud (SPC 2019)

CALL FOR PAPERS

5th IEEE Workshop on Security and Privacy in the Cloud (SPC 2019) Washington, DC, USA, June 12, 2019
<https://cns2019.ieee-cns.org/workshop/spc-5th-ieee-workshop-security-and-privacy-cloud-2019>

Cloud computing is today the reference paradigm for large-scale data storage and processing due to the convenient and efficient network access to configurable resources that can be easily adjusted according to the users' needs. Although the benefits of cloud computing are tremendous, security and privacy concerns have still a detrimental impact on the adoption and acceptability of cloud services.

In fact, users as well as companies that rely on cloud storage and computation services lose the direct control over the systems managing their data and applications, thus putting the confidentiality, integrity and availability of the data at risk.

The goal of this workshop is to bring together researchers and practitioners who are interested in discussing the security, privacy, and data protection issues emerging in cloud scenarios, and possible solutions to them.

SPC 2019 is the fifth workshop in this series and will be held in Washington, DC, USA, on June 12, in conjunction with the IEEE Conference on Communications and Network Security (IEEE CNS 2019).

The workshop seeks submissions from academia, industry, and government presenting novel research, as well as experimental studies, on all theoretical and practical aspects of security, privacy, and data protection in cloud scenarios.

Topics of interest include, but are not limited to:

- Anonymity in cloud scenarios
- Applied cryptography in cloud scenarios
- Cloud-based biometric systems
- Data and application security
- Data and system integrity
- Data availability in outsourcing scenarios
- Data protection
- Efficient access to outsourced data
- Key management in cloud scenarios
- Privacy
- Privacy of accesses
- Secure computation over encrypted data
- Security and trust metrics
- Security and privacy in crowdsourcing
- Security and privacy in multi-clouds and federated clouds
- Security and privacy in data outsourcing
- Security and privacy in the Internet of Things
- Security and privacy of big data
- Security and privacy of distributed computations
- Security and privacy of fog computing
- Security and privacy policies

- Selective information sharing
- Threats, vulnerabilities, and risk management

PAPER SUBMISSIONS

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Submissions should be at most

9 pages in the IEEE 8,5"x11" two-column format (<http://cns2019.ieee-cns.org/authors/submission-instructions>).

Font size should be no smaller than 10 points.

Submissions should not be anonymized.

The workshop will also consider short submissions of up to 4 pages for results that are preliminary or that simply require few pages.

Papers should be submitted for review through EDAS (<https://edas.info/>). Only PDF files will be accepted.

Submissions not meeting these guidelines risk rejection without consideration of their merits. Papers must be received by the deadline of March 15, 2019 (11:59 p.m. American Samoa time).

Authors of accepted papers must guarantee that their papers will be presented at the workshop. Accepted and presented papers will be included in the IEEE CNS 2019 conference proceedings and also in IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

IMPORTANT DATES

Paper submission due: March 15, 2019

Notification to authors: April 5, 2019

Camera ready due: April 12, 2019

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Massimiliano Albanese
George Mason University, USA

Pierangela Samarati
Università degli Studi di Milano, Italy

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From: Gritzalis Stefanos <sgritz@AEGEAN.GR>
Sent: March 12, 2019 3:51 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Submission deadline extended: TrustBus 2019 16th International Conference on Trust, Privacy and Security in Digital Business

CALL FOR PAPERS

The 16th International Conference on Trust, Privacy and Security in Digital Business (TrustBus 2019)

Linz, Austria, August 26 - 29, 2019

<http://www.dexa.org/trustbus2019>

email: dexa2019@iiwas.org<<mailto:dexa2019@iiwas.org>>

Paper submission: http://www.dexa.org/paper_submission

IMPORTANT DATES

- Submission deadline extended: April 18, 2019
- Notification to authors: May 23, 2019
- Camera-ready version: June 13, 2019

PUBLICATION

Accepted papers will be included in the Conference proceedings, to be published by Springer in their LNCS series.

General Conference Chair

Sokratis K. Katsikas, Norwegian University of Science and Technology, Norway

(sokratis.katsikas@ntnu.no<<mailto:sokratis.katsikas@ntnu.no>>) and Open University of Cyprus, Cyprus

(sokratis.katsikas@ouc.ac.cy<<mailto:sokratis.katsikas@ouc.ac.cy>>)

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Stefanos Gritzalis, University of the Aegean, Greece (sgritz@aegean.gr<<mailto:sgritz@aegean.gr>>)

Edgar R. Weippl, SBA Research, Austria (eweippl@sba-research.org<<mailto:eweippl@sba-research.org>>)

PC MEMBERS

<http://www.dexa.org/trustbus2019>

CONTACT

For further information, please contact DEXA organization office (hesti@iiwas.org<<mailto:hesti@iiwas.org>>)

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From: Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent: March 12, 2019 3:43 PM
To: cfp
Subject: [cfp] Fwd: IPIN 2019 Call for Papers

----- Weitergeleitete Nachricht -----

Betreff: IPIN 2019 Call for Papers
Datum: Tue, 12 Mar 2019 19:19:17 +0100
Von: Francesco Potorti <Potorti@isti.cnr.it>
Organisation: CNR-ISTI, via Moruzzi 1, I-56124 Pisa, +39-0503153058
An: IPIN 2019 <info@ipin2019.isti.cnr.it>

Sorry for duplicates

* * * CALL FOR PAPERS * * *

Tenth International Conference on
INDOOR POSITIONING AND INDOOR NAVIGATION
IPIN 2019
<<http://ipin2019.isti.cnr.it/>>

30 September - 3 October 2019, Pisa, Italy
Technical co-sponsor IEEE

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The tenth edition of the International conference on Indoor Positioning and Indoor Navigation and the sixth IPIN Competition are taking place in Pisa, Italy. Launched in 2010 in Zurich, Switzerland, IPIN is a unique event entirely dedicated to indoor localisation, its applications and its development.

Join the 400 expected industrial and academic experts in informatics, electronics and surveying to address this challenge. Discuss in person scientific and industrial matters, witness state-of-the-art systems and methods, participate in the uniquely challenging IPIN competition and enjoy the ancient town of Pisa and beautiful Tuscany.

IPIN solicits submission of high quality technical papers reporting original work not previously published, nor currently submitted for consideration elsewhere. Papers are submitted as one of two types: Regular paper: limited to 8

IEEE format pages, for oral presentation Work-in-Progress (WiP) paper: limited

to 4 IEEE format pages, for poster or oral presentation

Paper submission instructions are found at <http://ipin2019.isti.cnr.it>.

Papers

undergo peer reviewing. Accepted papers are included in the conference

proceedings: WiP papers on CEUR-WS and regular papers on IEEE Xplore Digital Library.

Topics of interest include:

- User requirements
- UI, indoor maps and 3D building models • Human motion monitoring and modelling • Robotics and UAV • Indoor navigation and tracking methods
 - AoA, TOF, TDOA based localisation
 - RSSI and magnetic fingerprinting
 - PDR, IMU and hybrid systems
 - UWB, ultrasound, optical systems
 - RFID, radar, device-free systems
 - Mapping, SLAM
 - Frameworks for hybrid positioning
 - Cooperative, machine learning systems • Seamless systems
 - HS-GNSS, indoor GNSS, pseudolites
 - RTK GNSS with handheld devices
 - Mitigating GNSS error switching to indoor
 - Industrial metrology & geodetic systems, iGPS • Self-contained sensors • Wearable and multi-sensor systems • Privacy and security for ILS • Location-based services and applications • Health and wellness applications • Benchmarking, assessment, evaluation, standards

The sixth IPIN Competition will take place the days before the conference in Pisa, in the Pisa CNR Area, following the traditional format with both on-site and off-site tracks.

The conference includes keynotes, tutorials and industry exhibitions.

We are at <http://ipin2019.isti.cnr.it> and on Twitter @Conferencelpin

Important Dates

Special session proposal:	30 March
Competition track proposal:	30 March
Paper submission:	10 May
Notification of acceptance:	30 June
Competition application:	12 July
Camera-ready:	21 July

Organizing Committee

Conference chairs:	Francesco Potorti — ISTI-CNR (IT) Valérie Renaudin — Ifsttar (FR)
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Filippo Palumbo — ISTI-CNR (IT)

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Competition chairs: Francesco Potorti — ISTI-CNR (IT)
Sangjoon Park — ETRI (KR)

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Track 2: Soyeon Lee ETRI (KR)
Track 3: Joaquín Torres-Sospedra — University Jaume I (ES)
Track 4: Miguel Ortiz — GEOLOC Team, Ifsttar (FR)
Software: Michele Girolami — ISTI-CNR (IT)

Technical Program Committee: see <http://ipin2019.isti.cnr.it/tpc>

Steering Committee: Philippe Canalda — Université de Franche-Comté (FR)
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Kyle O'Keefe — University of Calgary (CA)
Valérie Renaudin — Ifsttar (FR)
Masanori Sugimoto — Hokkaido University (JP)
Jesús Ureña — University of Alcalá (ES)

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IPIN'19 <http://ipin2019.isti.cnr.it> Voice: +39.050.621.3058
Francesco Potorti (ricercatore) Mobile: +39.348.8283.107
ISTI - Area della ricerca CNR Skype: wnlabisti
via G. Moruzzi 1, I-56124 Pisa Web: <http://fly.isti.cnr.it>

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From: Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent: March 12, 2019 3:43 PM
To: cfp
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] CFP: IEEE Transactions on Network Science and Engineering - Special Issue on Edge computing for Internet of Things

----- Weitergeleitete Nachricht -----

Betreff: [TCCC-ANNOUNCE] CFP: IEEE Transactions on Network Science and Engineering - Special Issue on Edge computing for Internet of Things

Datum: Tue, 12 Mar 2019 16:16:24 -0300

Von: Qiang Ye <qiangye@GMAIL.COM>

Antwort an: Qiang Ye <qiangye@GMAIL.COM>

An: tccc-announce@COMSOC.ORG

CALL FOR PAPERS

IEEE Transactions on Network Science and Engineering

Special Issue on Edge computing for Internet of Things

TOPIC SUMMARY:

The Internet of Things (IoT) are expected to improve the quality of human lives through billions of Internet-based devices. To satisfy the computation and storage requirements of IoT, cloud computing has served as the most important computing infrastructure. However, with the explosion of the number of devices in IoT (expected to reach 50 billion by 2020), a large volume of raw data will be continuously generated by IoT devices, consequently making cloud computing inadequate to efficiently and securely handle the data. In particular, cloud computing will be highly limited in terms of network bandwidth and privacy protection in IoT. To solve this problem, many researchers have attempted to move data computation and service provisioning from the cloud to the edge, which results in the area of edge computing and the related fog computing. Early-stage research has indicated that edge computing could potentially enable IoT applications to meet their latency/delay requirements, improve the scalability and energy efficiency of IoT systems, and facilitate contextual information processing. Nevertheless, a series of challenging problems need to be addressed in order to fully utilize edge computing for IoT. For instance, most of the computation resources in edge computing are heterogeneous mobile devices that are highly energy-hungry, which means that edge computing tends to be unreliable. Moreover, how to efficiently distribute computation/data storage and how to combine edge computing with cloud computing in order to provide scalable services need to be further studied.

In addition, how to support services without compromising privacy and security is a challenging problem in edge computing. This special issue aims to provide a prime venue for researchers from both academia and industry to discuss the key problems and present the innovative solutions in the area of edge computing for IoT.

The topics of interest include, but are not limited to:

Edge/Fog computing architecture for IoT

Modeling and performance analysis of edge computing for IoT

Communication and networking technologies in edge computing for IoT

Mobile computing resource management in edge computing for IoT

Machine learning and deep learning in edge computing for IoT

QoS and QoE provisioning in edge computing for IoT

Trust, security and privacy in edge computing for IoT

Energy management in edge computing for IoT

Collaboration of edge computing and cloud computing for IoT

Experiences in delivering edge/fog-based services

Open issues and challenges in edge computing for IoT

IMPORTANT DATES:

Manuscripts due: 04/01/2019

Peer reviews to authors: 07/01/2019

Revised manuscripts due: 08/01/2019

Second-round reviews to authors: 10/01/2019

Final accepted manuscript due: 10/31/2019

SUBMISSION GUIDELINES:

Prospective authors are invited to submit their manuscripts electronically before the submission due date, adhering to the *IEEE Transactions on Network Science and Engineering* guidelines (<https://www.computer.org/csdl/journal/tn>). Please submit your papers through the online system (<https://mc.manuscriptcentral.com/TNSE-cs>) and be sure to select the special issue or special section name. *Manuscripts should not be published or currently submitted for publication elsewhere.* Please submit only full papers intended for review, not abstracts, to the ScholarOne portal. If requested, abstracts should be sent by e-mail to the Guest Editors directly.

GUEST EDITORS:

Qiang Ye (Lead), Dalhousie University, Canada. Email: qye@cs.dal.ca

M. Jamal Deen, McMaster University, Canada. Email: jamal@mcmaster.ca

Antonio Puliafito, University of Messina, Italy. Email: apuliafito@unime.it

Lin Zhang, Beihang University, China. Email: zhanglin@buaa.edu.cn

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From: Jelena Mirkovic <mirkovic@ISI.EDU>
Sent: March 12, 2019 3:33 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CSET 2019 CFP

*** Apologies for multiple postings ***

Dear colleagues

We invite you to submit your work on cyber security evaluation, experimentation, measurement, metrics, data, simulations, and testbeds to CSET 2019. Now in its 12th year, CSET is a premier venue for cyber security experimentation work, with strong and engaged attendees, and conveniently co-located with USENIX Security Symposium.

We highlight that **new changes for CSET '19 include**:

- A call for **preliminary work papers** describing works-in-progress and results (e.g., papers that could eventually be extended as full papers for publication at a conference).
- A call for **extended work papers** that expand upon a CSET-related component of previously published work (e.g., papers that provide more details about a previously developed approach, method, tool, measurement, benchmark, data set, simulation/emulation, experiment, or other experimental component).
- A preference for papers from a **more diverse** set of topic areas than those that have traditionally appeared at the workshop.

We also note that for CSET '19 we will feature new **extended abstract** and **short paper** submission options to facilitate these changes.

Important dates:

- Paper submissions due: **Tuesday, May 21, 2019 (no extensions)**
- Notification to authors: **Tuesday, June 18, 2019**
- Final paper files due: **Tuesday, July 16, 2019**

Full CFP can be found at:

<https://www.usenix.org/conference/cset19/call-for-papers>

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Jelena Mirkovic
Research Associate Professor
USC Information Sciences Institute
4676 Admiralty Way, Suite 1001
Marina del Rey, CA 90292
310-448-9170

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Sent: March 12, 2019 3:16 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: IEEE Transactions on Network Science and Engineering - Special Issue on Edge computing for Internet of Things

CALL FOR PAPERS

IEEE Transactions on Network Science and Engineering

Special Issue on Edge computing for Internet of Things

TOPIC SUMMARY:

The Internet of Things (IoT) are expected to improve the quality of human lives through billions of Internet-based devices. To satisfy the computation and storage requirements of IoT, cloud computing has served as the most important computing infrastructure. However, with the explosion of the number of devices in IoT (expected to reach 50 billion by 2020), a large volume of raw data will be continuously generated by IoT devices, consequently making cloud computing inadequate to efficiently and securely handle the data. In particular, cloud computing will be highly limited in terms of network bandwidth and privacy protection in IoT. To solve this problem, many researchers have attempted to move data computation and service provisioning from the cloud to the edge, which results in the area of edge computing and the related fog computing. Early-stage research has indicated that edge computing could potentially enable IoT applications to meet their latency/delay requirements, improve the scalability and energy efficiency of IoT systems, and facilitate contextual information processing. Nevertheless, a series of challenging problems need to be addressed in order to fully utilize edge computing for IoT. For instance, most of the computation resources in edge computing are heterogeneous mobile devices that are highly energy-hungry, which means that edge computing tends to be unreliable. Moreover, how to efficiently distribute computation/data storage and how to combine edge computing with cloud computing in order to provide scalable services need to be further studied.

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Machine learning and deep learning in edge computing for IoT

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Energy management in edge computing for IoT

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GUEST EDITORS:

Qiang Ye (Lead), Dalhousie University, Canada. Email: qye@cs.dal.ca

M. Jamal Deen, McMaster University, Canada. Email: jamal@mcmaster.ca

Antonio Puliafito, University of Messina, Italy. Email: apuliafito@unime.it

Lin Zhang, Beihang University, China. Email: zhanglin@buaa.edu.cn

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From: Ivan Miguel Serrano Pires <impres@IT.UBI.PT>
Sent: March 12, 2019 3:01 PM
To: tccc-announce@comsoc.org
Subject: [TCCC-ANNOUNCE] CFP: Special Session on e-Health and m-Health Technologies for Ambient Assisted Living and Healthcare at GOODTECHS 2019

CALL FOR PAPERS
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e-Health and m-Health Technologies for Ambient Assisted Living and Healthcare @GOODTECHS 2019
25-27 September 2019
Valencia, Spain
<http://goodtechs.eu/e-health-and-m-health-technologies-for-ambient-assisted-living-and-healthcare/>

SUBMISSION DEADLINE
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April, 10, 2019
<http://confy.eai.eu/#conftrack-overview/track/2344/cid/52608/tid/2344>

PUBLICATION
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ACM Proceedings

SCOPE
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The use of mobile devices is growing in the different daily activities, and its use started in young people, but elderly people is now using this type of devices. Technological equipments are widely improving and they include different sensors, which are able to acquire different physical and physiological data. The development of these systems is included in the development of information and communication technologies (ICT) technologies for wellbeing. The e-Health and m-Health solutions may not act only in the treatment and monitoring stages of different diseases, but it can act as preventive, promoting healthy lifestyles with the equipment that causes bad habits. These solutions can cooperate between them, health the people to live better, but the most important subject is the healthcare that will not start only at the hospital, but it starts in the home.

Databases, networking, graphical interfaces, data mining, machine learning, intelligent decision support systems and specialized programming languages are just a few of the technologies and research areas currently contributing to medical informatics. The motivation of this special session is to bring together researchers and practitioners interested in the application of ICT to healthcare and medicine in general and to the support of persons with special needs in particular. The development of this solutions for medical purposes should be validated according to the EU General Data Protection Regulation (GDPR) and the privacy of the data is important. Another accepted research studies may be related to the security and privacy of the information for its acceptance.

In the case of medical rehabilitation and assistive technology, research in applications of ICT have contributed greatly to the enhancement of quality of life and full integration of all citizens into society. The use of Cloud computing and network connections, exploits the exchange of the information and improvement of this systems in the different fields, including the healthcare and traffic management. These developments should be closely performed with the

participation of healthcare professionals. There are different solutions currently under development related to this field and, as it contributes to improve the quality of life, it can interact in the development of technologies for social help. It is a multidisciplinary and wide subject for the wellbeing. The authors from all fields working these subjects are encouraged to submit a paper presenting their recent work, or a scientific discussion on the topic.

TOPICS

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Authors are solicited to submit original, previously unpublished papers in the following, but not limited to, topic areas:

- Health care information systems interoperability, security and efficiency;
- Ambient intelligence for wellbeing and e-health applications, supported by RFID technology and Wireless Sensor Networks;
- Mobile applications and ubiquitous devices in Healthcare and lifestyle training;
- Robotic systems and devices for health care and medicine;
- Technologies to promote a healthy and secure society;
- Big Data Analytics for e-health;
- Assessment of Acceptance/Adoption models Cultural Evaluation of e-health;
- Acceptance e-health and economic growth Factors affecting e-health adoption;
- Machine learning for healthcare;
- Intelligent systems for young and elderly people using mobile devices;
- Activities of Daily Living;
- Human factors, efficient cost control and management in society;
- Intelligent decision support and data systems in health care, medicine and society;
- Innovation in people supporting activities (e.g. health care, schooling and services);
- Embedded systems for healthcare;
- IT Acceptance Models Acceptance of e-health services;
- Major barriers and facilitators for e-health;
- Biosignal Acquisition, Analysis and Processing;
- Semantic Technologies and Cognition;
- Neural Networks;
- Physiological Computing in Mobile Devices;
- Telemedicine;
- Physiological Computing in Mobile Devices;
- Augmented Reality in Healthcare using Wearable devices;
- Sensors and Actuators;
- ICT for development;
- Cloud computing for healthcare;
- Mobile application concepts and technologies for different mobile platforms.

CHAIRS

=====

Ivan Miguel Pires, Universidade da Beira Interior, Covilhã, Portugal, impires@it.ubi.pt

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From: Abbas BRADAI <abbas.bradai@GMAIL.COM>
Sent: March 12, 2019 2:27 PM
To: tccc-announce@comsoc.org
Subject: [TCCC-ANNOUNCE] Call for Papers - 10th International Conference on the Network of the Future (NoF 2019)

CALL FOR PAPERS – NoF 2019
10th International Conference on the Network of the Future

1-3 October 2019, Rome, Italy

Paper Submission Deadline: May 15, 2019

<https://web.uniroma1.it/nof2019>

The 10th International Conference on Network of the Future (NoF) is inviting authors to submit original contributions in the area of Future Internet design, with emphasis on enabling technologies, architectures, and services. The conference aims at providing a forum for researchers, students, and professionals to exchange ideas, share their experiences, and discuss their research results around a single-track of technical sessions and a series of keynote speeches.

Papers accepted and presented at NoF 2019 will be published open access on the conference Web site. Authors of selected papers accepted for publication in the NoF 2019 proceedings will be invited to submit an extended version of their papers to the Wiley's International Journal of Network management. NoF 2019 will take place in the Engineering Faculty campus of the University of Rome La Sapienza, the oldest university in Europe, founded by Pope Boniface VIII in 1303. The Engineering Faculty campus is located in the heart of Rome, few steps from Colosseum and The Imperial Fora.

Topics of interest include but are not limited to:

Networks

- 5G networks
- Software-defined networks
- Virtual networks
- Overlay networks
- Wireless networks and cellular networks
- Wireless sensor networks
- Internet of Things networks
- Information-centric networks
- Enterprise networks and campus networks
- Data center networks
- Optical networks
- IP networks
- Home networks
- Access networks
- SCADA networks and distributed control systems
- Smart Cities and Smart Grids

- Access, metro, backbone and core networks
- Vehicular ad hoc networks and intelligent transportation systems
- Mesh, ad hoc, and sensor networks

Enablers

- Quality of service and traffic engineering
- Network Artificial Intelligence, Machine Learning and Reasoning
- Network Data Analytics, Anomaly Detection, Feature Extraction
- Network automation and orchestration
- Autonomic, Cognitive and Intent-based Networking
- 5G Network Architecture, Services and Protocols
- 5G Control and Management Architecture
- 5G Functional Decomposition and Composition
- Advanced 5G Infrastructure Slicing and Radio Slicing
- Scalability and multi-tenancy in 5G
- Network Programmability and Softwarization
- Protocols for Ultra-Low Latency and Ultra-High Reliability
- Fog, Edge and Multi-Access Computing
- Software Defined Networking and High Availability
- Network Function Virtualization (NFV) and Orchestration
- Service Function Chaining and Virtual Network Embedding
- Big data and Fast Data Processing and Management
- CDN Architectures and Network Cache Allocation Schemes
- Advanced multimedia and real-time communications
- Performance, Optimization and Resource Dimensioning
- Security, Trust and Privacy
- Use of Blockchains in Networking and Servicing

Business and Legal Aspects

- Economic aspects
- Multi-stakeholder aspects
- Service level agreements
- Lifecycle aspects
- Process and workflow aspects
- Legal perspective
- Regulatory perspective
- Privacy aspects

Methods

- Mathematical optimization
- Control theory
- Probability theory, stochastic processes, and queuing theory
- Machine learning
- Evolutionary algorithms
- Economic theory and game theory
- Mathematical logic and automated reasoning
- Data mining and (big) data analysis
- Monitoring and measurements
- Computer simulation experiments
- Prototype implementation and testbed experimentation
- Field trials

SUBMISSION GUIDELINES

Authors are invited to submit original contributions that have not been published or submitted for publication elsewhere. Papers should be prepared using the IEEE 2-column conference style and are limited to 8 pages excluding references (full papers) or 4 pages excluding references (short papers). They have to be submitted electronically in PDF format through EDAS. Papers exceeding page limits, multiple submissions, and self-plagiarized papers will be rejected without further review. All other papers will sustain a thorough single-blind review process.

IMPORTANT DATES

Paper Submission : May 15, 2019
Acceptance Notification: July 27, 2019
Camera Ready due : September 7, 2019
Conference : October 1–3, 2019

ORGANIZING COMMITTEE

General Chair

Antonio Cianfrani, University of Rome La Sapienza, Italy

Technical Program Co-Chairs

Roberto Riggio, FBK CREATE-NET, Italy
Rebecca Steinert, RISE, Sweden

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Dr. Abbas BRADAI
Associate professor / Maître de conférences

XLIM - University of Poitiers
Member of RESYST team
Bât SP2MI, 11 Bd Marie et Pierre
Curie, 86962 Chasseneuil Cedex, France
phone : +33 5 49 49 66 23
fax : +33 5 49 49 65 70
email : abbas.bradai@xlim.fr

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From: Nur Zincir-Heywood <zincir@CS.DAL.CA>
Sent: March 12, 2019 1:13 PM
To: tccc-announce@comsoc.org
Subject: [TCCC-ANNOUNCE] CFP - CNSM 2019 - 15th International Conference on Network and Service Management

[Apologies for cross and multiple postings]

CALL FOR PAPERS – CNSM 2019
15th International Conference on Network and Service Management

21-25 October 2019, Halifax, Canada

Paper Submission Deadline: 15 May 2019

<http://www.cnsm-conf.org/2019/>

The 15th International Conference on Network and Service Management (CNSM) is inviting authors to submit original contributions in the network and service management research area. CNSM 2019 is a selective single-track conference, covering all aspects of the management of networks and services, pervasive systems, enterprises, and cloud computing environments. CNSM 2019 will focus on the theme "Embracing the New Wave of AI". The core track is accompanied by a series of workshops and poster sessions.

Papers accepted and presented at CNSM 2019 will be published open access on the conference Web site (with IFIP copyright). Authors of selected papers accepted for publication in the CNSM 2019 proceedings will be invited to submit an extended version of their paper to the IEEE Transactions on Network and Service Management.

Topics of interest include but are not limited to:

Network Management

- Software-defined networks
- Virtual networks
- Overlay networks
- Wireless networks and cellular networks
- Sensor networks
- Internet of Things networks
- Information-centric networks
- Enterprise networks and campus networks
- Data center networks
- Optical networks
- IP networks
- Home networks
- Access networks
- SCADA networks and distributed control systems
- Smart cities and smart grids

Management Paradigms

- Centralized management
- Distributed management
- Hierarchical management
- Federated management
- Autonomic and cognitive management
- Policy-based management
- Pro-active management
- Energy-aware management
- Quality of experience-centric management

Service Management

- Cloud computing services
- Content delivery services
- Multimedia services
- Internet connectivity and Internet access
- Internet of Things services
- Security services
- Context-aware services
- Information technology services

Business Management

- Economic aspects
- Multi-stakeholder aspects
- Service level agreements
- Lifecycle aspects
- Process and workflow aspects
- Legal perspective
- Regulatory perspective
- Privacy aspects

Functional Areas

- Deployment management
- Fault management
- Configuration management
- Accounting management
- Performance management
- Security management

Management Technologies

- Network function virtualization
- Software-defined networking
- Orchestration
- Cloud computing and cloud storage
- Communication protocols
- Middleware
- Data models, information models semantic models
- Operations support systems and business support systems
- Information visualization

Methods

- Mathematical optimization
- Control theory
- Probability theory, stochastic processes, and queuing theory
- Machine learning, artificial intelligence
- Evolutionary algorithms
- Economic theory and game theory
- Mathematical logic and automated reasoning
- Data mining and (big) data analysis
- Monitoring and measurements
- Computer simulation experiments
- Prototype implementation and testbed experimentation
- Field trials

SUBMISSION GUIDELINES

Authors are invited to submit original contributions that have not been published or submitted for publication elsewhere. Papers should be prepared using the IEEE 2-column conference style and are limited to 8 pages excluding references (full papers) or 4 pages excluding references (short papers). They have to be submitted electronically in PDF format through EDAS. Papers exceeding page limits, multiple submissions, and self-plagiarized papers will be rejected without further review. All other papers will sustain a thorough single-blind review process, followed by a rebuttal phase.

IMPORTANT DATES

Paper Submission : May 15, 2019
 Acceptance Notification: August 5, 2019
 Camera Ready due : August 30, 2019
 Conference : October 21-25, 2019

ORGANIZING COMMITTEE

General Chair

Hanan Lutfiyya, University of Western Ontario, Canada
 Yixin Diao, PebblePost, USA

Technical Program Co-Chairs

Nur Zincir-Heywood, Dalhousie University, Canada
 Remi Badonnel, Telecom Nancy, France

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 Deep Medhi, University of Missouri-Kansas City, USA
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From: Filippo Carnovalini <filippo.carnovalini@DEI.UNIPD.IT>
Sent: March 12, 2019 12:54 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CFP] GOODTECHS 2019 - Track Session in Serious Games to Improve Quality of Life, 25/09 - 27/09, Valencia, Spain

-Apologies if you received this CFP multiple times-

* Call for Papers
* GoodTechs 2019
*Track Session in Serious Games to Improve Quality of Life
* September 25-27, 2019, Valencia, Spain
*. Submission by 10 April 2019
*

More info at:
<http://goodtechs.eu/serious-game-to-improve-the-quality-of-life/>
<<http://goodtechs.eu/serious-game-to-improve-the-quality-of-life/>>

SCOPE =====

Gamification techniques and serious games are often used to capture and maintain user's attention and motivation. This is particularly important when dealing with young patients or people with special needs. Patient's collaboration is crucial for doctors to perform a good diagnosis, and to provide an efficient therapy, but it cannot always be taken for granted. Moreover, serious games are proved to be an efficient tool to incentivize people to improve their lifestyle, e.g., making more physical activity.

This track will feature new insights, research, and practice on how to design, develop and use gamification and persuasive technologies to create serious games and applications to improve individuals' Quality of Life (QoL) and behavior, with a particular focus on people with disabilities.

The track targets researchers, doctoral students, practitioners and other people interested in presenting, discussing, reflecting and networking on central themes associated with the development and use of serious games and applications to help people with special needs. Papers on both theoretical aspects and design method of gamification techniques and serious games are welcomed, as well as system prototypes and novel evaluation methods. In addition, the track welcomes full research, work in progress papers and educational cases.

Chair: Ombretta Gaggi, Università di Padova
Co-Chair: Antonio Rodà, Università di Padova

TOPICS OF INTEREST =====

Serious game design for better lifestyle promotion Serious games for people with disability Games for Education and Learning Gamification Pervasive Systems Assistive Technologies Persuasive solutions Methods, models and principles

for gamification design Usability and accessibility issues Games for Health and Well-Being Serious Games for social inclusion Serious Games for cultural heritage

IMPORTANT DATES

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Full Paper Submission deadline: 10 April 2019 Notification deadline: 1 June 2019 Follow the submission instructions at:

<http://goodtechs.eu/paper-submission/>

<<http://goodtechs.eu/paper-submission/>>

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From: Anagnostopoulos Marios <managn@AEGEAN.GR>
Sent: March 12, 2019 11:58 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [SPIoT 2019] CFP Last days to submit - The 8th International Symposium on Security and Privacy on Internet of Things

We apologize if you receive multiple copies of this CFP

The 8th International Symposium on Security and Privacy on Internet of Things <http://www.spaccs.org/SPIoT2019/>

Easychair submission page: <https://easychair.org/conferences/?conf=spiot20190>

July 14-17, 2019

Atlanta, USA

Important dates:

Paper submission deadline: March 15, 2019 Author notification: April 15, 2019 Camera Ready due: May 15, 2019
Symposium Date: July 14-17, 2019

*** The Symposium ***

This year the 8th SPIoT will be held in conjunction with the 12th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS 2019), co-located with IEEE Cybermatics Congress 2019 in Atlanta, USA, on July 14-17, 2018.

*** CfP ***

The Internet of Things (IoT) regarded by most as Internet's next evolutionary phase, can be perceived as a global network that brings together physical objects with sensing, actuating, and communicating capabilities. The goal is to

connect devices that are able to self-configure and self-adapt to contextual changes through collaboration, instead of expecting direct human input. Nevertheless, this seamless integration of the cyber capabilities of the corresponding devices with the physical world, is poised to take the threats against this technology to the next level. In this context, every threat against IoT may constitute a threat against the physical assets of systems and such threats may be even translated to loss of human lives.

The focus of SPIoT is on high quality research papers about state of the art in a wide range of IoT-related technologies:

- Security and privacy in heterogeneous IoT.
- Secure and Privacy Preserving Data Mining and Aggregation in IoT applications.
- Cross-domain trust management in smart networks.
- Secure authentication of IoT devices.
- MAC layer security protocols for the IoT applications.
- IoT security mechanisms targeting application layer protocols.
- Resource-savvy Intrusion Detection for Networks of Things.
- IoT-based malware mitigation.

Proceedings: All accepted papers will be published by Springer LNCS (Lecture Notes in Computer Science) in SpaCCS 2019 Workshops Proceedings (indexed by EI Compendex).

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From: Irfan-Ullah Awan <I.U.Awan@BRADFORD.AC.UK>
Sent: March 12, 2019 11:40 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: Innovate Data 2019: Deadline Extended 02 April 2019

----- Call for Papers (Deadline Extended)-----

The 5th International Conference on Big Data Innovations and Applications (Innovate-Data 2019)

26-28 August 2019, Istanbul, Turkey

<http://www.ficloud.org/innovate-data-2019/>

(Springer: Communications in Computer and Information Science (CCIS))

Big data has become a key asset in modern societies, economies, and governmental organizations. Big data encompasses various kinds of complex and large scale information that are beyond the processing capabilities of conventional software and databases. The increasing volume and velocity of the data, captured by business organizations, web repositories, social media, data centres, cloud and IoT, have resulted in the exponential growth of big data. Big data provides a key basis for innovations in various domains and applications. It can benefit data managers, developers, companies and various kinds of organizations to carry out useful analysis of data pattern and trends, make intelligent decisions, and solve complex problems that can help societies and economies and speed up innovations. The aim of the Innovate-Data conference is to promote the state of the art in scientific and practical research of big data and to bring together researchers and practitioners from academia, industry, and public sector in an effort to present their research work and share research and development ideas.

CONFERENCE TRACKS:

Track: Big Data Storage, Representation and Processing

Topics: Data storage; Data representation and structures; Data management; Data processing; Data engineering and design; Storages and network requirements

Track: Big Data Security, Privacy and Trust

Topics: Data Security; Data Privacy; Data Trust; Data protection and integrity; Legal and ethical issues; Identity theft; Data loss and leakage

Track: Big Data Models, Infrastructure and Platforms

Topics: Data models; NoSQL databases; Data consistency and availability; Fault tolerance and reliability; Network models and protocols; Performance evaluation; Resource management; Transaction management; RDBMS and big data; Memcached systems and techniques

Track: Visualisation of Big Data

Topics: Data visualisation, Visual representation; Usability and user interaction; Graphs models and techniques for big data; Data acquisition and cleaning

Track: Big Data Analytics and Metrics

Topics: Analytics models; Tools and technologies; Data patterns; Business intelligence and decision making; Optimization of resources and cost; Customer relations and satisfaction; Data economics; Metrics for big data; Analysis of online reviews

Track: Big Data Science

Topics: Big data science models; Data searching and mining; Methodologies and use cases; Machine learning and deep learning; Algorithms and formal models; Mathematical and Statistical models for big data; Interdisciplinary approaches and methods

Track: Big Data Applications and Innovations

Topics: Business applications; Social media and networks; Healthcare applications; Government and public sector systems; Multimedia and data streaming; Personal data logging and quantified-self; Context-aware data; Big data in cloud and IoT; Personalisation of data; Open and linked data

Submission Instructions:

Full papers must be in English and must not exceed 12 pages. Short papers should be limited to 8 pages. Papers should be formatted in Springer's LNCS format. See submission instructions on the conference website.

Publication:

All accepted papers are planned to be included in the conference proceedings published by Springer in the Lecture Notes in Computer Science (LNCS) series. For each accepted paper, at least one author must register for the conference and present the paper. Authors of selected papers will be invited to submit an extended version of their papers for a special issues in international journals (see conference website).

Lecture Notes in Computer Science (LNCS) series is indexed by the ISI Conference Proceedings Citation Index - Science (CPCI-S), included in ISI Web of Science, EI Engineering Index (Compendex and Inspec databases), ACM Digital Library, dblp, Google Scholar, Scopus, etc. See LNCS - Information on Abstracting and Indexing (<http://www.springer.com/computer/lncs?SGWID=0-164-6-1068921-0>)

Authors of selected papers will be invited to submit an extended version of their papers for a special issues in international journals (see Journal Special Issues section).

Important Dates:

Submission Deadline (Extended): 02 April 2019 Authors Notification: 20 May 2019 Final Manuscript Due: 14 June 2019

General Chair:

William Knottenbelt, Imperial College London, UK

Program Co-Chairs:

Salima Benbernou, Université Paris Descartes, France Muhammad Younas, Oxford Brookes University, UK

Local Organising Co-Chairs:

Perin Ünal, Teknopar, Turkey

Sezer Gören Ugurdag, Yeditepe University, Turkey Tacha Serif, Yeditepe University, Turkey

Publication Chair:

Irfan Awan, University of Bradford, UK

Workshop Coordinator:

Filipe Portela, University of Minho, Portugal

Publicity Chair:

Fang-Fang Chua, Multimedia University, Malaysia

Journal Special Issues Coordinator:

Lin Guan, Loughborough University, UK

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From: Claudio Fiandrino <claudio.fiandrino@IMDEA.ORG>
Sent: March 12, 2019 10:52 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CFP] The 9th Workshop on Management of Cloud and Smart City Systems (MoCS) in conjunction with IEEE ISCC'19

[Our sincere apologies if you receive multiple copies of this announcement]

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The 9th Workshop on Management of Cloud and Smart City Systems

MoCS 2019

<https://mocs19.gforge.uni.lu/>

In conjunction with IEEE ISCC 2019 - Barcelona, Spain

* * * * *

The last years have witnessed a permanent change of vision of cloud systems. Nowadays, the most important stakeholders such as private companies, public agencies, research communities and citizens rely on the cloud for a number of purposes, stemming from sharing hardware infrastructures to software, data, and sensing services. The MoCS workshop started following the "cloud" stream 8 years ago. The focus of the 9th MoCS edition is in the convergence of cloud paradigm in form of MEC to support low-latency, context-aware applications for complex scenarios like smart cities and solutions for secure transactions in data trading.

Topics of interest include, but are not limited to the following:

- * Application of cloud and MEC systems to smart cities services;
- * Models for context-aware crowdsensing techniques at urban-level scale;
- * Integration of cloud/edge systems and mobile crowdsensing systems through Human-enabled Edge Computing (HEC) paradigm;
- * Experiences on the (re)use of open platforms for cloud-integrated smart cities services;
- * Design and evaluation tools for scalability and efficient resource allocation in smart cities;
- * Models and design inter-play between mobility agents (citizens, vehicles) in urban environments;
- * Design and application of cloud/edge technologies to Intelligent Transport Systems (ITS);
- * Vehicular cloud architectures for provisioning of smart cities services;
- * Adaptive solutions for scalable, maintainable, cost-effective cloud management and services provision;
- * Models and paradigms for the management of cloud/MEC services within/between data centres (intra- /inter-domain) and their deployment in urban environment;
- * Application of machine learning techniques to cloud/edge-based smart city applications;
- * Cloud/edge-based automation tools applied to robotic science for smart cities;
- * Pricing schemes, bargaining mechanisms and economics for trading data in cloud/edge environments;
- * Blockchain solutions for secure and reliable transactions between the counterparts in data sharing/trading.

** SUBMISSION INSTRUCTIONS **

Prospective authors are invited to submit original technical papers for publication in MoCS 2019. Manuscripts should be written in English with a maximum paper length of 6 printed pages for full papers and 4 pages for short papers. No more than 20% of short papers will be accepted.

All manuscripts should adhere to the IEEE double column conference proceedings. Authors are invited to submit their papers using EDAS at <https://edas.info/N25932>. Papers exceeding 6 pages will not be accepted by EDAS. At least one author of each accepted paper is required to register to the conference and present the paper. Only registered and presented papers will be included in the ISCC 2019 Proceedings and submitted for inclusion to IEEE Xplore library. The IEEE ISCC Proceedings have been indexed in the past by ISI, dblp and Scopus. This makes the IEEE ISCC Workshops publication venues with very high visibility and impact in both Computer and Communications areas.

Please, contact the Workshop Organizers for any inquiry regarding the submission of manuscripts.

**** SUBMISSION WEBSITE ****

<https://edas.info/N25932>

**** ORGANIZING COMMITTEE ****

Workshop Co-Chairs

- * Claudio Fiandrino (IMDEA Networks, ES)
- * Javier Berrocal (University of Extremadura, ES)
- * Andrea Capponi (University of Luxembourg, LU)

Publicity Co-Chairs

- * Guido Cantelmo (Technical University of Munich, GE)
- * Antonino Galletta (University of Messina, IT)

Publication Chair

- * Maria Fazio (University of Messina, IT)

Web Chair

- * Piergiorgio Vitello (University of Luxembourg, LU)

Steering Committee

- * Antonio Corradi (University of Bologna, IT)
- * Luca Foschini (University of Bologna, IT)
- * Burak Kantarci (University of Ottawa, CA)
- * Massimo Villari (University of Messina, IT)

**** SOCIAL MEDIA ****

Stay tuned on our social networks:

- * Facebook: <https://www.facebook.com/mocs19/>
- * Twitter: <https://twitter.com/MocsWorkshop>
- * Instagram: https://www.instagram.com/mocs_workshop/

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Claudio Fiandrino, PhD
Post-Doc Researcher

IMDEA NETWORKS Institute

Web: http://people.networks.imdea.org/~claudio_fiandrino/

Phone: (+34) 91 481 6932

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From: Tooska Dargahi [CPS-Sec'19 TPC Co-Chair] <t.dargahi@SALFORD.AC.UK>
Sent: March 12, 2019 8:42 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Deadline approaching] CPS-Sec 2019 to be held in conjunction with CNS 2019

[Apologies, if you receive multiple copies of this CFP]

Submission Deadline (Firm): 15 March, 2019

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IEEE International Workshop on Cyber-Physical Systems Security (CPS-Sec) <https://cns2019.ieee-cns.org/workshop/cps-sec-international-workshop-cyber-physical-systems-security>

In conjunction with IEEE Conference on Communications and Network Security (CNS) 2019,
10-12 June, 2019, Washington, D.C., USA

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Following the success of the previous editions, the IEEE International Workshop on Cyber-Physical Systems Security 2019 (CPS-Sec 2019) aims to represent a forum for researchers and practitioners from industry and academia interested in the areas of CPS security. CPS-Sec 2019 seeks novel submissions describing practical and theoretical solutions to the cyber-physical security challenges. A submission may represent any CPS domain, including embedded systems, Internet of Things (IoT), Industrial Internet of Things (IIoT), SCADA Systems, Smart-Grid Systems, Critical Infrastructure, Automotive and Transportation Systems, Medical applications.

Example topics of interest are given below, but are not limited to:

- * Secure CPS architectures
- * Authentication mechanisms for CPS
- * Access control for CPS
- * Key management in CPS
- * Data security and privacy for CPS
- * Forensics for CPS
- * Intrusion detection for CPS
- * Trusted-computing in CPS
- * Energy-efficient and secure CPS
- * Availability, recovery and auditing for CPS
- * Distributed secure solutions for CPS
- * Threat models for CPS
- * Physical layer security for CPS
- * Security on heterogeneous CPS
- * Secure protocol design in CPS
- * Vulnerability analysis of CPS
- * Anonymization in CPS
- * Security of CPS in automotive systems
- * Security of CPS in aerospace systems
- * Security of embedded systems
- * Security of CPS in medical devices/systems
- * Security of CPS in civil engineering systems/devices

- * Security of industrial control systems
- * Security of Internet-of-Things

IMPORTANT DATES:

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Submission Deadline: 15 March, 2019 (extended) Notification of Acceptance: 26 March, 2019

Camera-Ready: 2 April, 2019

STEERING COMMITTEE:

=====

Kemal Akkaya, Florida International University, USA Selcuk Uluagac, Florida International University, USA Mauro Conti, University of Padua, Italy

GENERAL CHAIR:

=====

Mauro Conti, University of Padua, Italy

PROGRAM CO-CHAIRS:

=====

Mohammad Ashiqur Rahman, Florida International University, USA Tooska Dargahi, University of Salford, UK Giuseppe Bernieri, University of Padua, Italy

PUBLICITY CHAIR:

=====

Eleonora Losiouk, University of Padua, Italy

WEB CHAIR:

=====

Amit Sikder, Florida International University, USA

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From: Lin Wang <lin.wang@IEEE.ORG>
Sent: March 12, 2019 8:36 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: The 18th IEEE International Symposium on Parallel and Distributed Computing (ISPD 2019) - Deadline Extended

[We apologize if you receive multiple copies of this CFP]

The 18th IEEE International Symposium on Parallel and Distributed Computing (ISPD 2019)

<http://www.ispdc.atlarge-research.com>

Following very successful previous editions since 2002, the 18th ISPD conference will be hosted in Amsterdam. The conference will be devoted to a highly selective program for papers describing original and unpublished research advancing the state of the art in the field of new Parallel and Distributed Computing paradigms and applications. Parallel and Distributed Computing is today a central topic in science, engineering and society in the development of new approaches for the modeling, design, analysis, evaluation, and programming of future parallel and distributed computing systems and applications.

We cordially invite you to submit your contribution to the 18th International Symposium on Parallel and Distributed Computing (ISPD-2019), considering our mission to bring together researchers, engineers, and practitioners involved in the development of new algorithms and architectures for parallel and distributed computing, as well as visualisation and post-processing. We consider the following area of interests, but not limited to:

- Applications of parallel and distributed systems: science and engineering, data warehousing, social networks, management of big data, embedded networking systems, cloud and grid computing, mobile systems, web-based and multimedia systems, knowledge-based systems, biomedical applications, resource management including green computing.
- Parallel and distributed architectures: instruction-level and thread-level parallelism; very large-scale and reconfigurable systems design; special purpose architectures including graphics processors, VLSI design and signal processors, network processors, media accelerators; network and interconnect architectures; parallel I/O and data storage structures; power-aware embedded architectures.
- Programming and developments tools: parallel and multicore programming; runtime systems and parallel virtual machines; multi-threaded operating systems; time-critical parallel embedded systems, middleware for grids, clouds and data centers; Internet programming tools, performance modeling and evaluation tools.
- Algorithms design: parallel numerical, combinatorial and randomized algorithms; algorithms for heterogeneous systems or systems of systems; communication protocols, multicasting and interconnect algorithms; data-intensive parallel algorithms; scalability of algorithms and data structures; networking reconfiguration and mobile computing algorithms; performance modelling and optimization; scheduling and load balancing algorithms; efficient security and safety algorithms.

PAPER SUBMISSION:

You are invited to submit original papers of up to 8 pages, written in English and compliant with the IEEE standard (8.5"x11", two-column). The Conference Publishing Services (CPS) will publish the proceedings. Submissions must be PDF files in IEEE format.

To be published in the ISPDC-2019 Conference Proceedings and to be eligible for publication in IEEE Xplore®, an author of an accepted paper is required to register for the conference at the full rate and the paper must be presented by an author of that paper at the conference. A best paper award will be presented to paper(s) receiving the highest quality rating from the reviewers and the PC.

Paper submissions are to be made accessing the registration page on EasyChair (<https://www.easychair.org/conferences/?conf=ispdc2019>).

IMPORTANT DATES:

Full papers deadline: April 1, 2019
Notification of authors: April 15, 2019
Camera ready papers: April 30, 2019
Author registration: April 30, 2019
Early registration: May 7, 2019
ISPDC-2019 Symposium: June 3 to 7, 2019

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>
TCCC Announce: For announcements concerning computer networking and communications.
tccc-announce@comsoc.org
<https://comsoc-listserv.ieee.org/>

From: SETO Saburo <saburo.seto.vn@HCO.NTT.CO.JP>
Sent: March 12, 2019 8:22 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Papers: The 20th Asia-Pacific Network Operations and Management Symposium(APNOMS 2019)

=====
[Our apologies if you receive multiple copies of this Call for Papers]

=====
Call For Papers
The 20th Asia-Pacific Network Operations and Management Symposium (APNOMS 2019)
<http://www.apnoms.org/2019>
Sponsored by IEICE ICM, KICS KNOM

September 18-20, 2019 in Matsue, Japan
=====

Important Dates:

Paper submission: May 7, 2019
Notification of acceptance: July 10, 2019 Camera-ready paper submission: July 29, 2019
=====

The Asia-Pacific Network Operations and Management Symposium (APNOMS) is the premier conference on network operations and management in the Asia-Pacific region. APNOMS meets every year, typically during September or October, and boasts a rich history of successes. It includes a full three-day program of keynotes, tutorials, technical sessions, panel discussions, poster sessions, and exhibits focusing on managing networks that span the computing and telecommunications areas. APNOMS 2019 will encourage open discussions on technology alternatives that focus on the management and operation of current and future networks and services. APNOMS welcomes submissions based on implementation and experimentation, as well as simulation and analytical approaches. The topics of interest include, but are not limited to, the following items:

1) Network Management

- Management of Software Defined Networking (SDN)
- Management of the Future Internet(s)
- Management of IP and Optical Networks
- Management of Ad-hoc and Mesh Networks
- Management of Wireless and Cellular Networks
- Management of Sensor Networks
- Management of Heterogeneous Networks
- Management of Converged Networks
- Management of Large Data Centers and Clouds
- Management of Vehicular Networks
- Peer-to-Peer and Overlay Networks
- Cognitive Network Management

2) Architectures, Methods & Technologies

- New Network Architectures and Models
- Next Generation BSS/OSS Platforms

- New Network Protocols
- Automatic Management
- Software Defined Network (SDN)
- Network Functions Virtualization (NFV)
- Cloud Computing
- Edge/Fog Computing
- Control Theoretic Management Approaches
- Web/Java Based Management
- Mobile Agent-based Management
- Policy-based Management
- Converged Networking Issues
- SLA/QoS Management & Traffic Engineering
- Network Monitoring and Measurements
- Configuration and Fault Management
- SNMP, Telemetry, NETCONF, Web Services, XML

3) Service Management

- Internet of Things (IoT) Management
- Cyber Physical System (CPS) Management
- Big Data Management
- Ubiquitous Service Management
- Management of Personalized Services
- Services Science, Management & Engineering
- Security Management Accounting and Billing
- Applications and Service Provisioning
- Seamless Service with Roaming and Handover
- Signaling for Application Sessions and Networking
- Management of Bandwidth on Demand
- Regulatory Issues

4) Business Management

- Economic Aspects of NGNs and Future Internet(s)
- Next Generation BSS Platforms
- SLA/SLO/SLS Management
- eTOM and ITIL
- ISP/ASP/CSP Management
- Business Process Engineering
- Customer Care and Self Operations
- e-Business Management

5) Experiences

- Trial Results, Migration and Case Studies
- Interoperability Issues
- R&D Networks
- Advances in and Federation of Testbeds

Technical Session:

Authors are invited to submit complete unpublished papers in English, which are not under review in any other conferences or journals. Submission should be in form of a PDF file of a minimum of 3 pages and a maximum of 6 pages, prepared in accordance with IEEE author guidelines. All presented papers in the conference are expected to be included

in the proceedings of the conference as well as IEEE Xplore Digital Library (pending) and IEICE archive system (pending), and will be indexed by EI and other Abstracting and Indexing (A&I) databases.

The copyright of accepted papers will be transferred to IEICE. A submitted paper may be accepted as a short paper (presented in a poster session). NOTE:

To be published in the proceedings, for each accepted paper, at least one author is required to register for the conference at the full (member or non-member) rate and the paper must be presented at the conference by one of the authors. Online presentation is not permitted without an unavoidable reason such as a natural disaster.

Innovation Session:

APNOMS 2019 will include innovation sessions to present and discuss ongoing research, work-in-progress ideas, practical solutions, and experimental studies.

Authors are requested to submit PDF documents in a special format (should have a visual in the upper half of a page and the explanatory text in the lower half, and must not exceed 20 annotated visuals including title and references). The sample file can be obtained at APNOMS website: <http://www.apnoms.org/2019/manuscript.html>.

Innovation papers will be included in conference proceedings but will NOT be indexed by any scholarly research database. The copyright of accepted papers will belong to the author(s). The author(s) may transfer the copyright to a journal publisher if the same content or its extended version is submitted separately to a journal. In addition, it is possible to add a demonstration if you wish, please choose at the submission.

Send your questions to TPC Co-Chairs:

Yoshiaki Kitaguchi (Tokyo Tech, Japan) kitaguchi@gsic.titech.ac.jp

Woojin Seok (KISTI, Korea) wjseok@kisti.re.kr

Jiun-Long Huang (NCTU, Taiwan) jlhuang@cs.nctu.edu.tw

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From: Elena-Simona Lohan (TAU) <elena-simona.lohan@TUNI.FI>
Sent: March 12, 2019 5:52 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] deadline closes on 17th of March 2019 for the applications to joint A-WEAR team

Dear colleagues

A-WEAR network is a H2020 MSCA European Joint Network aiming at cross-sectorial training of 15 freshly graduated (or soon-to-graduate) MSc students in engineering (electrical engineering, computing and software engineering, telecommunications, etc.).

Could you please distribute the flyer below about this opportunity (including funding conditions and application link) to your students and colleagues?

Flyer: http://www.a-wear.eu/RecruitmentFlyer_A_WEAR.pdf

Details on the application: www.a-wear.eu/recruitment The deadline to apply is 17.03.2019.

Thank you for your help and best regards

Simona Lohan, on behalf of A-WEAR team

[apology for multiple postings of this email]

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<https://comsoc-listserv.ieee.org/>

From: Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent: March 12, 2019 5:21 AM
To: cfp
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] [EXTENDED DEADLINE - SmartSys 2019]: Call for papers

----- Weitergeleitete Nachricht -----

Betreff: [TCCC-ANNOUNCE] [EXTENDED DEADLINE - SmartSys 2019]: Call for papers

Datum: Tue, 12 Mar 2019 09:53:21 +0100

Von: Antonio Arena <antonio.arena@ING.UNIPI.IT> Antwort an: Antonio Arena <antonio.arena@ING.UNIPI.IT>

An: tccc-announce@COMSOC.ORG

[We apologize if you receive multiple copies of this CFP.]

EXTENDED DEADLINE - CALL FOR PAPERS - IEEE SmartSys 2019 Fourth IEEE Workshop on Smart Service Systems (SmartSys) Co-located with the IEEE International Conference on Smart Computing (SMARTCOMP 2019) Washington D.C., June 12th/15th, 2019 <http://mpsc.umbc.edu/smartsys/2019/>

Technology succeeds when it provides benefits to the society either directly or indirectly. Understanding the societal and economic impact and human-centered aspects of a smart system or technology in advance and designing the system a-priori with potential value-added services help spur the discoveries of new tools, methodologies and innovative services. Smart service systems span across a variety of socio-technical facets comprising of devices, people, organizations, environments, and technologies to sense, actuate, control and assess the physical, cyber and societal artifacts of the human service systems.

Besides the systems being self-adaptive and fault-tolerant, need to be designed in such a way that it can continuously increase the quality and productivity, the compliance and sustainability of the smart services it offers. While human-centered perspective and cognitive learning help create multi-facet value added services and catalyze the sustained economic growth of smart service systems, understanding the multi-modal sensing, control, heterogeneity and interdependency between different physical, virtual and logical components of such a complex system will enable the realization of new transformative smarter service systems. If successful, this can help improve the quality-of-service of the customers, quality-of-life of the citizens and quality-of returns of the stakeholders and investors.

Nurturing the development of smart service systems seeks for inter- and trans-disciplinary crosscutting research threads from system and operational engineering, computer science and information systems, social and behavioral science, computational modeling and industrial engineering etc. The goal of this workshop is to bring together practitioners and researchers from both academia and industry in order to have a forum for discussion and technical presentations on the fundamental knowledge and principles of smart service systems that enable the value co-creation in sensing, actuating, data analytics, learning, cognition, and control of human centric cyber-physical-social systems and future of work..

Research contributions are solicited in all areas pertinent to smart human services and systems, including:

- Innovative technologies, tools, methodologies and solutions for smart service systems; example includes personalized healthcare, smart energy, smart cities, smart manufacturing, intelligent transportation, education, precision medicine and agriculture, national security etc.
- Information extraction and interpretation from sensors, actuators, smart phones, smart watch, and human
- Context and situational-awareness of smart service systems
- Design of people-centric services and technologies for providing better services such as food, transportation and places to live
- Novel architectures and interoperable solutions for internet of things
- Models and methodologies for designing complex smart systems
- Big data analytics approaches for innovative smart services
- Modeling, analysis, co-production, and co-evolution of human activity, behavior and interaction for the effective adaptation and percolation of longitudinal smart

service systems • Role of machine learning, artificial intelligence, robotics, pervasive computing, control theory, information and communications technologies • Design and developments of intelligent systems, intelligent enterprises and cyber-physical-social-systems • Design of inter-dependent complex global systems such as healthcare, smart grid, computer networks, logistics and supply-chains, financial markets etc.
• Smart infrastructure and testbed to support the integration and test of autonomous systems and innovative applications

Important Dates

Paper submission: March 10, 2019 March 24, 2019 Notification: April 10, 2019 Camera Ready: April 28, 2019 Workshop Date: June 12th or June 15th, 2019

Organizing Committees

Workshop Co-Organizers

Nirmalya Roy, University of Maryland, Baltimore County Gurdip Singh, Syracuse University Sajal Das, Missouri University of Science and Technology

Technical Program Co-Chairs:

Kunal Mankodiya, University of Rhode Island, USA Carlo Vallati, University of Pisa, Italy

Publicity Co-chairs

Antonio Arena, University of Pisa, Italy Mohammadreza Abtahi, University of Rhode Island, USA

Technical Program Committee

TBD

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From: Antonio Arena <antonio.arena@ING.UNIPI.IT>
Sent: March 12, 2019 4:53 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [EXTENDED DEADLINE - SmartSys 2019]: Call for papers

[We apologize if you receive multiple copies of this CFP.]

EXTENDED DEADLINE - CALL FOR PAPERS - IEEE SmartSys 2019 Fourth IEEE Workshop on Smart Service Systems (SmartSys) Co-located with the IEEE International Conference on Smart Computing (SMARTCOMP 2019) Washington D.C., June 12th/15th, 2019 <http://mpsc.umbc.edu/smartsys/2019/>

Technology succeeds when it provides benefits to the society either directly or indirectly. Understanding the societal and economic impact and human-centered aspects of a smart system or technology in advance and designing the system a-priori with potential value-added services help spur the discoveries of new tools, methodologies and innovative services. Smart service systems span across a variety of socio-technical facets comprising of devices, people, organizations, environments, and technologies to sense, actuate, control and assess the physical, cyber and societal artifacts of the human service systems. Besides the systems being self-adaptive and fault-tolerant, need to be designed in such a way that it can continuously increase the quality and productivity, the compliance and sustainability of the smart services it offers. While human-centered perspective and cognitive learning help create multi-facet value added services and catalyze the sustained economic growth of smart service systems, understanding the multi-modal sensing, control, heterogeneity and interdependency between different physical, virtual and logical components of such a complex system will enable the realization of new transformative smarter service systems. If successful, this can help improve the quality-of-service of the customers, quality-of-life of the citizens and quality-of returns of the stakeholders and investors.

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- Innovative technologies, tools, methodologies and solutions for smart service systems; example includes personalized healthcare, smart energy, smart cities, smart manufacturing, intelligent transportation, education, precision medicine and agriculture, national security etc.
- Information extraction and interpretation from sensors, actuators, smart phones, smart watch, and human • Context and situational-awareness of smart service systems • Design of people-centric services and technologies for providing better services such as food, transportation and places to live • Novel architectures and interoperable solutions for internet of things • Models and methodologies for designing complex smart systems • Big data analytics approaches for innovative smart services • Modeling, analysis, co-production, and co-evolution of human activity, behavior and interaction for the effective adaptation and percolation of longitudinal smart service systems • Role of machine learning, artificial intelligence, robotics, pervasive computing, control theory, information and communications technologies • Design and developments of intelligent systems, intelligent enterprises and cyber-physical-social-systems
- Design of inter-dependent complex global systems such as healthcare, smart grid, computer networks, logistics and supply-chains, financial markets etc.
- Smart infrastructure and testbed to support the integration and test of autonomous systems and innovative applications

Important Dates

Paper submission: March 10, 2019 March 24, 2019

Notification: April 10, 2019
Camera Ready: April 28, 2019
Workshop Date: June 12th or June 15th, 2019

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From: Al-Sakib Khan Pathan <sakib.pathan@GMAIL.COM>
Sent: March 12, 2019 2:24 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Deadline Extension (31 March) - IEEE Block-SDCPS with Special Issue of ACM TOIT

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Call for papers

IEEE Workshop on Blockchain for Software Defined Cyber-Physical Systems (IEEE Block-SDCPS) In conjunction with 5th IEEE Smartcomp 2019, Washington DC, USA, 12-15 June, 2019

URL: <https://sites.google.com/view/ieee-sdn-cps-blockchain-2019/home>
Conference URL: <http://www.smart-comp.org/>

Overview

As Internet has become a critical utility of the 21st century, more and more devices are getting connected to each other for availing customized and transparent services to the end-users. Emergence of network and computing capabilities of handheld devices is carving out a clear path to adopt the Internet-of-Things (IoT) technology, which will facilitate enormous amount of network-capable sensor devices to work coherently for serving our community. All the critical infrastructures will also be a part of such cyber-physical ecosystem to enable smart and connected environments. Some important IoT solutions that are being explored include:

hospital sensors for patient vitals and comfort, vehicle sensors, and smart grid infrastructure sensors that can provide real time information to make operations faster and safer. The tight coupling of Cyber systems with the physical systems brings challenges in terms of stability, security, reliability, robustness, and efficiency. Prevalence of such cyber-physical ecosystem, which are inherently of distributed nature, demands to architect models and propose solutions that can suitably address the above-mentioned challenges.

The automatic orchestration of networks is enabled by the Software Defined Networking (SDN), Network Virtualization (NV), and Network Function Virtualization (NFV) paradigms, and offers many advantages for the network operators and service providers. Specially, SDN can be integrated with CPS and IoT to provide scalable, reliable, secure and efficient communication in heterogeneous infrastructure. It manages and verifies the correctness of the network operations at run time. The globalized view of SDN controller and programmability feature enable control, configure, monitor and fault (due to accidental failures and malicious attacks) detection and remediate of abnormal operation in the SDN based IoT more efficiently as compared to the traditional based networks.

The Blockchain technology is offering a distributed solution to maintain tamper-resistant system, which can offer variety of solutions to tackle security problems in cyber-physical systems (CPS). Blockchain uses a distributed network of nodes that all maintain a copy of a ledger or database, which demonstrated its potential by storing the cryptocurrency transactions in an immutable ledger. With high availability and immutability characteristics, building auditable and accountable distributed systems are feasible. However, the challenge in integrating Blockchain with CPS is yet to be addressed which require various cyber-physical nodes to work effectively and collaboratively in an asynchronous environment. Hence, it is required to come ups with innovative models, and effective algorithms which will allow the participating nodes to find consensus on the transactions. What mechanisms can be used to better manage the identities of CPS devices and track the activities of what they were originally intended to do. This can also provide protection for IoT devices that can be compromised and used for malicious attacks on the fly. Therefore, several challenges need to be addressed while integrating these two technologies and enhancing security of existing CPS environments. This workshop intends to draw attentions of researchers from academia, industry, and government

agencies to focus on understanding security challenges and attack surface of modern cyber-physical systems, and architect innovative solutions with the help cutting-edge technologies like Blockchain. We hope to attract high quality research articles on the above-mentioned topic along with review articles which describe current state of the art.

Potential topics include but are not limited to following:

- Blockchain-based security solutions of critical infrastructures
- Resilient deployment strategies and auto-configurations mechanisms for CPS ecosystems
- Secure system architectures, protocols and applications for softwarized CPS environment (smart grid, healthcare, etc.)
- Secure communication protocols for Internet of Things and CPS
- Auditable and accountable CPS architecture
- Energy-efficient and distributed consensus models for CPS
- Software-defined network capabilities in critical infrastructures
- Low-energy wireless infrastructure for IoT
- Security testbeds and experimental results for SDN-based CPS and IoT
- Applying Blockchain technologies for softwarized networks
- Security and privacy in softwarized IoT networks

Features

The workshop will also include:

- a keynote speech
- a panel on a specific topic within the scope of the workshop that gathers key experts in this area
- Poster/Work-in-Progress papers

Journal Publication: A selected set of accepted top-quality papers may have their authors invited to submit full papers to the following special issue.

Special Issue on "Decentralized Blockchain Applications and Infrastructures for Next Generation Cyber-Physical Systems" of ACM Transactions on Internet Technology (ACM TOIT)

Best Paper: All the regular papers will be considered for the BEST PAPER AWARD.

Attendee Travel Grant: Travel grant may be provided for USA Student(s).
(Depending upon approval)

Important Dates:

Paper submission deadline: 31 March 2019 (extended deadline) Notification of paper acceptance: 10 April 2019

Submission of camera-ready deadline: 28 April 2019

Submission Instructions:

Paper submissions must be no longer than 8 pages and formatted according to the two-column IEEE proceedings template. IEEE provides corresponding formatting templates at IEEE conference template. Make sure to use the conference mode of the template, i.e., LaTeX users must use the conference option of the IEEEtran document class.

Please submit your papers via EasyChair submission link:

<https://easychair.org/conferences/?conf=smartcomp2019>

If you do not have an account, please create one before submission.

Committee

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Al-Sakib Khan Pathan, Ph.D., SMIEEE

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Associate Professor, Department of Computer Science and Engineering Southeast University A.R. Tower, 24, Kemal Ataturk Avenue, Banani, Dhaka-1213, Bangladesh

Phone: (Office) +8809821590 Ext. 115 (Mobile) +8801756084583

Email: spathan@ieee.org, sakib.pathan@gmail.com

URL: <https://sites.google.com/site/spathansite/>

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From: Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent: March 12, 2019 1:49 AM
To: cfp
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] CFP -- The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019)

Von: Zhuozhao Li <zl5uq@VIRGINIA.EDU>
Gesendet: 12. März 2019 04:24:07 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] CFP -- The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019)

[Please accept our sincere apologies if you receive multiple copies of this announcement]

CALL FOR PAPERS

IEEE MASS 2019 - The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems

Monterey, CA, USA
November 4 - 7, 2019

<http://sites.google.com/view/mass2019>

IEEE MASS is a premier annual forum for sharing original, novel ideas in mobile ad-hoc networks and smart systems, defined broadly. As wireless ad-hoc networks continue to evolve and specialize into a number of application scenarios and environments, and sensor-based systems and technologies increasingly permeate our everyday life and become the inner fabric of the Internet of Things and cyber-physical systems, the unfolding of smart environments such as smart cities, smart farming, smart healthcare, and smart manufacturing, to name a few, demand integrated solutions that can make intelligent use of both cloud and edge systems, while applying machine learning and artificial intelligence tools to handle their growing complexity and to leverage the vast amount of available data created.

Sponsored by the IEEE Computer Society, the 16th edition of the IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS) will be held in beautiful Monterey, CA, USA, on November 4-7, 2019, and it aims at bringing together researchers, developers, and practitioners to address recent advances in mobile ad-hoc and smart systems, covering algorithms, theory, protocols, systems & applications, experimental evaluations and testbeds, security/privacy, as well as AI/ML-based smart design.

Topics of Interest

Original, unpublished contributions are solicited in all aspects of mobile ad-hoc and smart systems, from mobile networking/computing to cyber-physical systems to Internet of Things, from theory to systems and applications. Topics of interest include, but are not limited to:

- 5G networks and technologies
- AI/ML for smart wireless networks
- AI and machine learning aided protocol design and resource allocation
- AI and machine learning based applications for ad hoc networks
- Algorithms for MANETs and WSNs
- Application Layer Protocols
- Clustering, topology control, coverage, and connectivity
- Cognitive networking
- Cooperative and cognitive communication
- Cooperative sensing, compressive sensing, sensing from communications
- Cloud, crowd-sourced, participatory and (mobile) social sensing
- Cyber-physical systems and applications
- Data gathering, fusion, and dissemination
- Energy-efficient architectures, algorithms, and protocols
- Experiences in real-world applications and deployments
- Flying Ad-Hoc Networks
- Free-space optical networks
- Heterogeneous networks
- Internet of Things (IoT) devices, gateways, and infrastructure
- Light-weight distrib
- Localization and Location Based Services
- Measurements, experimental systems and test-beds
- Mobile computing and networking
- mmWave and Terahertz networks
- Mobility modeling and management
- Multi-channel, multi-radio and MIMO technologies
- Network components, operating systems, and middleware
- Opportunistic networking, delay tolerant networking
- QoS and Resource management
- Robotic networks
- Routing protocols
- Scalability, stability, and robustness of networks and sensor systems
- Security and privacy at all layers, including the physical layer
- Sensor enabled drone, UAV, UUV systems
- Smart grid, healthcare, transportation applications
- Vehicular networks and protocols
- Visible light communications
- Wearable and human-centric devices and networks

Important Dates

Abstract submission: April 30, 2019

Paper submission: May 15, 2019

Notification of acceptance: August 09, 2019

Camera-ready version: August 30, 2019

Submission Guidelines

Authors are invited to submit original, unpublished research papers that are not currently under review elsewhere. All submissions should be written in English with a maximum length of 9 single-spaced, double-column pages using 10pt fonts on 8.5 x 11 inch paper, including all figures, tables, and references, in PDF format. Authors must use the Manuscript Templates for IEEE Conference Proceedings. Accepted papers will appear in the conference proceedings published by IEEE and will be presented at the conference. Based on TPC reviews and discussions, some papers may be accepted as 5-page short papers, in addition to the regular 9 page papers. For all papers, IEEE reserves the right to exclude the paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference. Note that the conference will also include a poster and demo session.

Submission link: <https://edas.info/newPaper.php?c=25849>

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- Desheng Zhang, Rutgers University, USA

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- Falko Dressler, Paderborn University, Germany
- Kang Chen, Southern Illinois University, USA

Security and privacy

- Mooi Choo Chuah, Lehigh University, USA
- Wenye Wang, North Carolina State University, USA

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- Jie Wu, Temple University, USA
- Kang G. Shin, University of Michigan, USA
- J. J. Garcia-Luna-Aceves, University of California Santa Cruz, USA

IEEE Communications Society Tech. Committee on Computer Communications

<http://committees.comsoc.org/tccc/>

TCCC Announce: For announcements concerning computer networking and communications.

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From: Long Cai HK <longcaihk@GMAIL.COM>
Sent: March 11, 2019 11:40 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Papers - International Conference on Communication Technology for Social Networks 2019 @ Singapore

Dear Colleagues,

CALL FOR PAPERS

The Second International Conference on Communication Technology for Social Networks (CTSN 2019) will be held on October 04 - 05, 2019 at Singapore, paper submission deadline: July 30, 2019

Website:
<https://stemconferences.com/event/international-conference-on-communication-technology-for-social-networks-2019/>

CTSN 2019 will be the most comprehensive conference focused on the various aspects of advances in Communication Technology for Social Networks. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Communication Technology for Social Networks. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects Communication Technology for Social Networks.

IMPORTANT DATES

Paper Submission due: July 30, 2019

Notification to authors: Continuous Process

Camera ready due: August 30, 2019

PAPER SUBMISSION

All papers should be submitted by online system for review (at least 3 pages). Every submitted paper will be carefully reviewed by at least three members of the International Program Committee.

Authors should submit a paper in English, carefully checked for correct grammar and spelling, addressing one or several of the conference areas or topics. Each paper should clearly indicate the nature of its technical/scientific contribution and the problems, domains or environments to which it is applicable. Only original papers should be submitted. Authors are advised to follow ethical norms regarding plagiarism and self-plagiarism thoroughly before submitting and must make sure that their submissions do not substantially overlap work which has been published elsewhere or simultaneously submitted to a journal or another conference with proceedings. Papers that contain any form of plagiarism will be rejected without reviews.

Authors can submit their work in the form of a Regular Paper, representing completed and validated research, or as a Position Paper, portraying a short report of work in progress or an arguable opinion about an issue discussing ideas, facts, situations, methods, procedures or results of scientific research focused on one of the conference topic areas. All papers must be submitted through the online submission platform. After the paper submission has been successfully completed, authors will receive an automatic confirmation e-mail. All the papers should be of 6 pages length.

IMPORTANT NOTICE

Just focus on and express your research contributions to reduce the time for review process.

Paper Submission webpage:

<http://mysubmissions.online/stem-conferences-b-2019/>

Poster Submission Webpage:

<http://mysubmissions.online/stem-conferences-b-2019/>

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Long Cai, PhD,

Conference Publicity Chair

STEM Conferences

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From: Zhuozhao Li <zl5uq@VIRGINIA.EDU>
Sent: March 11, 2019 11:24 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP -- The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019)

[Please accept our sincere apologies if you receive multiple copies of this announcement]

CALL FOR PAPERS

IEEE MASS 2019 - The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems

Monterey, CA, USA
November 4 - 7, 2019

<http://sites.google.com/view/mass2019>

IEEE MASS is a premier annual forum for sharing original, novel ideas in mobile ad-hoc networks and smart systems, defined broadly. As wireless ad-hoc networks continue to evolve and specialize into a number of application scenarios and environments, and sensor-based systems and technologies increasingly permeate our everyday life and become the inner fabric of the Internet of Things and cyber-physical systems, the unfolding of smart environments such as smart cities, smart farming, smart healthcare, and smart manufacturing, to name a few, demand integrated solutions that can make intelligent use of both cloud and edge systems, while applying machine learning and artificial intelligence tools to handle their growing complexity and to leverage the vast amount of available data created.

Sponsored by the IEEE Computer Society, the 16th edition of the IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS) will be held in beautiful Monterey, CA, USA, on November 4-7, 2019, and it aims at bringing together researchers, developers, and practitioners to address recent advances in mobile ad-hoc and smart systems, covering algorithms, theory, protocols, systems & applications, experimental evaluations and testbeds, security/privacy, as well as AI/ML-based smart design.

Topics of Interest

Original, unpublished contributions are solicited in all aspects of mobile ad-hoc and smart systems, from mobile networking/computing to cyber-physical systems to Internet of Things, from theory to systems and applications. Topics of interest include, but are not limited to:

- 5G networks and technologies
- AI/ML for smart wireless networks
- AI and machine learning aided protocol design and resource allocation
- AI and machine learning based applications for ad hoc networks
- Algorithms for MANETs and WSNs
- Application Layer Protocols
- Clustering, topology control, coverage, and connectivity
- Cognitive networking
- Cooperative and cognitive communication
- Cooperative sensing, compressive sensing, sensing from communications

- Cloud, crowd-sourced, participatory and (mobile) social sensing
- Cyber-physical systems and applications
- Data gathering, fusion, and dissemination
- Energy-efficient architectures, algorithms, and protocols
- Experiences in real-world applications and deployments
- Flying Ad-Hoc Networks
- Free-space optical networks
- Heterogeneous networks
- Internet of Things (IoT) devices, gateways, and infrastructure
- Light-weight distrib
- Localization and Location Based Services
- Measurements, experimental systems and test-beds
- Mobile computing and networking
- mmWave and Terahertz networks
- Mobility modeling and management
- Multi-channel, multi-radio and MIMO technologies
- Network components, operating systems, and middleware
- Opportunistic networking, delay tolerant networking
- QoS and Resource management
- Robotic networks
- Routing protocols
- Scalability, stability, and robustness of networks and sensor systems
- Security and privacy at all layers, including the physical layer
- Sensor enabled drone, UAV, UUV systems
- Smart grid, healthcare, transportation applications
- Vehicular networks and protocols
- Visible light communications
- Wearable and human-centric devices and networks

Important Dates

Abstract submission: April 30, 2019

Paper submission: May 15, 2019

Notification of acceptance: August 09, 2019 Camera-ready version: August 30, 2019

Submission Guidelines

Authors are invited to submit original, unpublished research papers that are not currently under review elsewhere. All submissions should be written in English with a maximum length of 9 single-spaced, double-column pages using 10pt fonts on 8.5 x 11 inch paper, including all figures, tables, and references, in PDF format. Authors must use the Manuscript Templates for IEEE Conference Proceedings. Accepted papers will appear in the conference proceedings published by IEEE and will be presented at the conference. Based on TPC reviews and discussions, some papers may be accepted as 5-page short papers, in addition to the regular 9 page papers. For all papers, IEEE reserves the right to exclude the paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference. Note that the conference will also include a poster and demo session.

Submission link: <https://edas.info/newPaper.php?c=25849>

Organizing Committee

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- Haiying Shen, University of Virginia, USA
- Marcelo M. Carvalho, University of Brasília, Brazil

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Algorithms and Theory

- Ravi Prakash, University of Texas at Dallas, USA
- Dario Pompili, Rutgers University, USA

Protocols and Cross-Layer Technologies

- Shiwen Mao, Auburn University, USA
- Walid Saad, Virginia Tech, USA

Systems and Applications

- Octav Chipara, The University of Iowa, USA
- Desheng Zhang, Rutgers University, USA

Experimental Evaluation and Testbeds

- Falko Dressler, Paderborn University, Germany
- Kang Chen, Southern Illinois University, USA

Security and privacy

- Mooi Choo Chuah, Lehigh University, USA
- Wenye Wang, North Carolina State University, USA

Artificial Intelligence/Machine Learning-based Smart Design

- Sajal Das, Missouri University of Science and Technology, USA
- Fan Wu, Shanghai Jiao Tong University, China

Panel Chair

- Wei Zhao, American University of Sharjah, United Arab Emirates

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- Xinbing Wang, Shanghai Jiao Tong University, China
- Ilker Demirkol, Universitat Politècnica de Catalunya, Spain

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- Chenxi Qiu, Rowan University, USA

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Finance/Registration Chair

- Shuhui Yang, Purdue University Northwest, USA

Publication Chair

- Dajin Wang, Montclair State University, USA

Local Arrangements

- Chen Qian, University of California Santa Cruz, USA

Web Chair

- Henrique D. Garcia, University of Brasília, Brazil

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- Dharma P. Agrawal, University of Cincinnati, USA

- Jie Wu, Temple University, USA

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From: Zhuozhao Li <zl5uq@VIRGINIA.EDU>
Sent: March 11, 2019 11:14 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] IEEE MASS 2019: Call for Workshop Proposals

[Please accept our sincere apologies if you receive multiple copies of this announcement]

IEEE MASS 2019: Call for Workshop Proposals

Monterey, CA, USA
November 4 - 7, 2019

<http://sites.google.com/view/mass2019>

Proposal Submission: April 30, 2019
Notification: May 15, 2019

The 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019) is the meeting point for leading researchers in the thriving area of wireless ad hoc communications, sensor, and actuator networks. Topics of IEEE MASS cover a large range of scientific areas, spanning topics from computer science, physics, embedded systems, electrical engineering, control theory, as well as application areas such as disaster recovery and rescue operations, environmental monitoring, smart cities, smart grids, health applications, and many more.

Continuing this tradition, the 16th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS) will be held in Monterey, CA, USA, on Nov. 4-7, 2019. Since its very beginning in 2004, MASS also offers a range of associated workshops, which cover special topics and applications in wireless ad hoc and sensor networks. During the last years, up to ten workshops have been held each year in conjunction with MASS, with some of the workshops already having seen their seventh edition. Each workshop will provide an arena for presentations and discussions about a special topic of relevance to MASS. IEEE MASS 2019 now invites the submission of workshop proposals.

Proposals should be submitted in a maximum 3-page PDF file, containing the following information:

- Workshop title
- Abstract (maximum 200 words)
- The topics of the workshop and how it relates to MASS
- Workshop organizers, including contact information, short bio, affiliation and previous experience with organising scientific events
- Proposed Technical Program Committee (tentative)
- Planned review procedures
- Planned format:
 - Expected duration of the workshop (half-day or full-day)
 - Keynotes, panels, invited presentations, submitted presentations, etc.)
- Equipment and space requirements
- A rough estimate of the number of participants and their profile
- Information on previous editions (hosting conference, date, and number of attendees), if any

The tentative calendar of the workshops is:

- Paper Submission Deadline: July 23, 2019

- Notification of Acceptance: August 23, 2019
- Camera-ready version: Aug 30, 2019 (Firm deadline)

The proposals should be sent to the MASS 2019 workshop chairs, Xinbing Wang and Ilker Demirkol, at: xwang8@sjtu.edu.cn, ilker.demirkol@entel.upc.edu, with the email subject tag [MASS 2019 Workshop Proposal].

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From: Irfan-Ullah Awan <I.U.Awan@BRADFORD.AC.UK>
Sent: March 11, 2019 5:09 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: FiCloud 2019 - Deadline Extended 02 April

Deadline Extended: 02 April 2019

-----Call for Papers -----

The 7th International Conference on Future Internet of Things and Cloud (FiCloud 2019), IEEE CS- TCI

26-28 August 2019, Istanbul, Turkey

<http://www.ficloud.org/2019/>

The Internet of Things (IoT) vision is to provide a dynamic and global network infrastructure which is characterized by intelligent and self configuring capabilities. IoT is considered as an integral part of the future Internet. It is based on interoperable communication protocols in order to enable the interaction and integration of virtual as well as physical Things such as computers, smart devices, sensors, cars, refrigerators, food packages, medicines, etc. Things can be seamlessly integrated into the information network and interaction can be made through the provision of intelligent interfaces. In not so distant future, IoT will be forcing its way into every aspect of our lives and technologies including smart homes, smart cities, environment and nature, green energy, food, medicine, automotive, aerospace and aviation, telecommunication, and so on.

IoT is generally characterized by real world and small Things, limited capacity, constrained devices and the consequential issues such as less reliability, security and privacy. Cloud computing on the other hand deals mainly with virtual world and has unlimited capabilities in terms of storage and processing power. Thus cloud and IoT are the main complementary aspects of the future Internet. IoT can benefit from the unlimited capabilities and resources of cloud computing. Similarly, cloud can benefit from IoT by extending its scope to deal with real world things in a more distributed and dynamic manner.

The theme of this conference is to promote the state of the art in scientific and practical research of the IoT and cloud computing. It provides a forum for bringing together researchers and practitioners from academia, industry, and public sector in an effort to present their research work and share research and development ideas in the area of IoT and cloud computing.

CONFERENCE TRACKS:

- Cloud Models - SaaS, IaaS, PaaS
- Security, Privacy and Trust
- Software Systems, Models and Architectures
- Mobile Cloud Services
- Data and Knowledge Management
- Context-awareness and Location-awareness
- Software-defined Networking

- Performance Evaluation and Modelling
- Networking and Communication Protocols
- IoT Services and Applications
- Smart Environment
- Enterprise and Business Models
- Energy Efficiency
- Federation and Virtualization
- Fog and Edge Computing
- Industry Track
- General Track

Paper submission and Publication:

Authors are requested to submit papers reporting original research results and experience. The page limit for full papers is 8 pages and for short papers is 6 pages. Papers should be prepared using IEEE two-column template. See instructions on the conference website (<http://www.ficloud.org/2019/>).

All papers accepted for this conference are planned to be published in the conference proceedings by the IEEE Computer Society Conference Publishing Service (CPS). The proceedings will be submitted to the IEEE-Xplore and the IEEE Computer Society (CSDL) digital libraries. The proceedings are also submitted for indexing through IEE INSPEC, EI (Compendex), Thomson ISI, and other indexing services.

Authors of selected papers will be invited to submit extended versions of their papers for special issues in international journals (see conference website).

Important Dates:

Submission Deadline: 11 March 2019 02 April 2019 Authors Notification: 20 May 2019 Final Manuscript Due: 14 June 2019

General Chairs:

Vincenzo Piuri, University of Milan, Italy Irfan Awan, University of Bradford, UK

Program Chairs:

Takahiro Hara, Osaka University, Japan
Muhammad Younas, Oxford Brookes University, UK

Local Organising Chairs:

Perin Unal, Teknopar, Turkey
Sezer Gören Ugurdag, Yeditepe University, Turkey Tacha Serif, Yeditepe University, Turkey

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Journal Special Issues Coordinator:

Lin Guan, Loughborough University, UK

Publicity Chair:

Joyce El Haddad, University of Paris Dauphine, France

Publication Chair:

Barbara Masucci, University of Salerno, Italy

Track Chairs:

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From: Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent: March 11, 2019 4:44 PM
To: cfp
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] 4th Workshop on Security and Dependability of Critical Embedded Real-Time Systems (CERTS 2019).

----- Weitergeleitete Nachricht -----

Betreff: [TCCC-ANNOUNCE] 4th Workshop on Security and Dependability of Critical Embedded Real-Time Systems (CERTS 2019).

Datum: Mon, 11 Mar 2019 19:58:25 +0000

Von: Mikael Asplund <mikael.asplund@liu.se> Antwort an: Mikael Asplund <mikael.asplund@liu.se>

An: tccc-announce@COMSOC.ORG

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CALL FOR PAPERS

CERTS2019

4th Workshop on Security and Dependability of
Critical Embedded Real-Time Systems

In conjunction with ECRTS2019
Stuttgart, Germany, July 9, 2019

<https://www.ecrts.org/certs/>

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Welcome to the fourth round of the CERTS workshop! Following a successful series of workshops that co-locate with conferences in the fields of real-time and embedded systems, security, and dependability, we are now happy to be one of the workshops at ECRTS'19.

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Themes

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At their heart, many critical systems and system infrastructures are composed of real-time and embedded systems (RTES). For example, RTES control our power grids, maintain our smart homes, steer our vehicles or they host the software in road-side units that allow our vehicles to drive more safely and more efficiently. For sure, they will open the way to even more challenging applications, such as in autonomous and cooperating vehicles, terrestrial or aerial.

However, most of these RTES are distributed and networked, which makes them vulnerable to accidental faults, targeted attacks, and advanced and persistent threats. Worse, compromise of a few nodes may bring down the entire system, in particular if attacks persist.

The grand challenges brought in by these scenarios include ensuring continuous unmaintained operation under faults and attacks. Systems may possibly utilize easier to upgrade computation resources in mobile phones or road side units whose trustworthiness needs to be established while the RTES approaches these units. And while attackers may try to compromise the RTES' functionality or timing, we seek to protect the integrity and timeliness of systems and the privacy of their users. Mastering these challenges requires the expertise of several research areas, and so, the goal of this workshop is to bring together researchers and engineers from the security and dependability, distributed systems and real-time communities, in order to discuss and promote new and exciting research ideas and initiatives, and to identify and discuss the challenges that lie ahead for such critical applications. Additionally new artificial-intelligence-based sensing, control, and decisions introduces new challenges in real-time guarantees, dependability and security threats.

CERTS'19 strives for an inclusive and diverse program and solicits short and long technical papers on open problems, experiments, case studies, new ideas, or future challenges.

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Important dates

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Submission deadline: April 16, 2019

Notification: May 14, 2019

Camera ready deadline: May 29, 2019

Workshops: July 9, 2019

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Scope and topics of interest

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CERTS'19 is open to all topics at the intersection of security and dependability of embedded and real-time systems, with an emphasis on criticality and distribution. As such, areas of interest include but are not limited to the following topics:

- * Security and dependability of cyber-physical and other real-time and embedded systems,
- * Vulnerabilities and protective measures of CPS infrastructure,
- * Fault and intrusion tolerant distributed real-time systems,
- * Confidentiality and privacy in real-time and embedded systems,
- * System architectures encompassing combinations of distribution, security, dependability and timeliness, and
- * Threats and vulnerabilities due to the use of artificial intelligence techniques

Contribution formats include technical presentations of systems, system models and architectures, methods, tools, protocols and infrastructures to improve the dependability and security of real-time systems but also open problems and future challenges papers and experimental papers including experience reports and negative results.

=====

Committees

=====

Workshop Chairs

Mikael Asplund, Linköping University, Sweden Michael Paulitsch, Intel, Germany

Program Committee

Antônio Augusto Fröhlich, Federal University of Santa Catarina, Brazil Rakesh Bobba, Oregon State University, US
Christian Esposito, University of Naples Federico II, Italy Marisol Garcia Valls, Universidad Carlos III de Madrid, Spain
Martin Gilje Jaatun, University of Stavanger, Norway Karl Goeschka, Vienna University of Technology, Austria Gert
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Elena Troubitsyna, KTH, Sweden Bryan Ward, MIT Lincoln Laboratory, US Saman Zonouz, Rutgers University, US

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Marcus Voelp, SnT – University of Luxembourg Paulo Esteves-Verissimo, SnT – University of Luxembourg Antonio
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<cfp-request@ibr.cs.tu-bs.de> !! or look at <https://mail.ibr.cs.tu-bs.de/listinfo/cfp>.



From: Mikael Asplund <mikael.asplund@liu.se>
Sent: March 11, 2019 3:58 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] 4th Workshop on Security and Dependability of Critical Embedded Real-Time Systems (CERTS 2019).

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CALL FOR PAPERS

CERTS2019
4th Workshop on Security and Dependability of
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In conjunction with ECRTS2019
Stuttgart, Germany, July 9, 2019

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The grand challenges brought in by these scenarios include ensuring continuous unmaintained operation under faults and attacks. Systems may possibly utilize easier to upgrade computation resources in mobile phones or road side units whose trustworthiness needs to be established while the RTES approaches these units. And while attackers may try to compromise the RTES's functionality or timing, we seek to protect the integrity and timeliness of systems and the privacy of their users. Mastering these challenges requires the expertise of several research areas, and so, the goal of this workshop is to bring together researchers and engineers from the security and dependability, distributed systems and real-time communities, in order to discuss and promote new and exciting research ideas and initiatives, and to identify and discuss the challenges that lie ahead for such critical applications. Additionally new artificial-intelligence-based sensing, control, and decisions introduces new challenges in real-time guarantees, dependability and security threats.

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Scope and topics of interest

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Contribution formats include technical presentations of systems, system models and architectures, methods, tools, protocols and infrastructures to improve the dependability and security of real-time systems but also open problems and future challenges papers and experimental papers including experience reports and negative results.

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Program Committee

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From: Pilar AM <pilaram@UGR.ES>
Sent: March 11, 2019 3:37 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Papers: IEEE Conference on Standards for Communications & Networking (IEEE CSCN'19)

The 5th IEEE Conference on Standards for Communications & Networking (IEEE CSCN'19)

28-30 October 2019 // Granada, Spain

<https://cscn2019.ieee-cscn.org/>

CALL FOR PAPERS

On behalf of the Organizing Committee, we have great pleasure in inviting you to submit your work to the 2019 IEEE Conference on Standards for Communications & Networking (IEEE CSCN'19). The fifth edition of this highly successful conference will be held in Granada, Spain, the city of the world-famous Alhambra, one of the ten most visited monuments around the world.

Standards play a key role in the success of the communications industry, as enablers of global systems inter-operability and economies of scale.

The finalization of the 3GPP release 15 in June 2018 was a major milestone. With the first 5G specifications now complete, the industry has achieved critical progress on technology readiness, and operators around the world are starting the commercial rollout. This represents the culmination of years of concerted industry and academia efforts in scoping out and designing the next generation of mobile systems. Past editions of IEEE CSCN have played their own part in these efforts.

In 2019, IEEE CSCN will be divided into 4 tracks designed to cover the diverse space of technologies – not limited to cellular systems—. New, original and previously unpublished papers are invited that address the emerging connectivity solutions and the standardization approaches and strategies that these may take, as well as the relevant business models and use-cases.

Additionally, after the recent completion of 3GPP release 15, of special interest are papers that assess the wireless landscape in light of the recently completed release of NR standard. Not only the Non-Standalone version, but also the Standalone version which delivers the potential for 5G deployments independent of LTE.

We are pleased to invite you to submit an original and previously unpublished paper on (but not limited to) the topics of the following tracks.

Track on IoT, URLLC and V2X

- * IoT architecture design options and system optimizations.
- * IoT security and privacy of IoT devices and services.
- * System optimization to support ultra-low complexity devices.
- * Radio access optimizations for ultra-low power devices.
- * Standardized semantic data description framework and technologies.
- * IoT communication procedure enhancements.
- * Experience and lessons learnt from IoT large-scale pilots.

- * IoT standards platforms interworking.
- * IoT interoperability methodologies.
- * IoT standards gap analysis.
- * 5G networks, IoT and Tactile Internet.
- * Software Defined Network (SDN) and IoT.
- * Industrial Internet of Things.
- * Factory of things.
- * Edge computing, fog computing and IoT.
- * IPv6-based IoT networks.
- * IoT protocols such as IPv6, 6LoWPAN, RPL, 6TiSCH, WoT.
- * IoT security aspects for massive IoT deployments, e.g., embedded SIM management.
- * Ultra-Reliable Low-Latency Communications (URLLC).
- * URLLC for mission-critical IoT.
- * V2X standards and architectures.
- * Private LTE/ 5G networks.

Track on 5G Radio and Wireless Communications

- * Physical layer and MAC layer design for 5G-enabling wireless networks.
- * Dynamic scheduling, power control, interference management, and QoS management in 5G.
- * Techniques for latency reduction in 5G.
- * Resource management and control in 5G RAN.
- * Service-oriented user-plane design concepts.
- * Topology, deployment, and optimization of wireless networks.
- * Wireless technology for high speed.
- * mmWave access, backhaul and self-backhauling.
- * Application of SDN, NFV, and cloud computing to 5G (and legacy) RAN and core network architectures and implementations, such as network slicing.
- * 3GPP phased work on NR.
- * Green and energy efficient wireless networks.
- * Solutions for battery-conserving, interference-mitigating terminal design.
- * Massive and FD-MIMO communications, hybrid and coordinated beamforming technology.
- * New control signaling for heterogeneous networks.
- * Next-Generation Wi-Fi (IEEE 802.11ax/ay).
- * 5G-LTE interworking and 5G/LTE — Wi-Fi/Wi-Gig interworking technology.
- * 5G operation and coexistence in unlicensed and shared spectrum bands.
- * Next-generation non-RF communications systems.
- * 5G Radio Results from simulation, prototyping, and experiments.
- * Emerging candidate technologies and business use-cases for Beyond 5G.

Track on Softwarization, Slicing, Automation and Network Management

- * Architectures and protocols for network automation and zero-touch management.
- * Intelligent-, intent-based and cognitive networking and network management.
- * Programmable architectures and systems for 5G services and verticals.

- * Analysis and considerations for common VNFs across fixed and mobile networks.
- * 5G service-based architecture evolution.
- * Network functions placement in distributed clouds.
- * 5G functional decomposition and deployment.
- * Secure operations in future virtualized networks.
- * Resource management and sharing for network slicing.
- * Scalability and reliability in 5G networks and 5G network slicing.
- * Dedicated and shared network functions in network slices.
- * Cross-slice management for end-to-end QoS.
- * Progress on network slicing standardization (e.g. 3GPP, GSMA, etc.).
- * Evaluation of network softwarization and fundamental trade-offs.
- * Test-bed experience in softwarization and network slicing.
- * SDN architectures and interfaces.
- * SDN programming languages and data models.
- * Progress and future challenges in standardization (e.g. ETSI NFV, IETF/IRTF, etc.).
- * Orchestration and management in SDN and NFV.
- * Multi-domain and multi-tenancy considerations in SDN and NFV.
- * Open Source efforts in relation to SDN and NFV (e.g., ONAP, OPNFV, OpenStack, Open Source MANO).
- * QoS/QoE aspects related to SDN and NFV based network services.

Track on Access Network, Edge Computing and Transport for 5G

- * Multi-Access Edge Computing, Edge-Fog Computing.
- * Routing protocols, segment routing and VPN extensions for 5G slicing.
- * Multi-tenancy, slicing, and control of multi-domain heterogeneous infrastructures.
- * SDN and NFV in access, edge, and transport for 5G
- * Transporting 5G mobile services over optical access networks.
- * SDN solutions for mobile networks and fixed IP cross layer transport and routing.
- * 5G architectures supporting Cloud-RAN and functional split options.
- * 5G architectures supporting fronthaul/middlehaul/backhaul integration.
- * Network slicing issues with multi-RATs devices.
- * End-to-end resource optimization for 5G mobile services: from radio head to data center.
- * Integrated backhaul/middlehaul/fronthaul
- * Backhaul/middlehaul/fronthaul considerations for dynamic capacity and mobility management.
- * Delivering services over ICN in 5G within a framework enabling network slicing.
- * Enhancing 5G backhaul/middlehaul/fronthaul with ICN.
- * Mechanisms and protocol enhancements for Hybrid Access networks.
- * Introduction of ETSI MEC technology and applications on vertical market segments.
- * New user applications at the edge of the communication network.
- * Vertical industry implications to transport, edge computing, and 5G access networks.
- * Insights on pilots, proof-of-concept, and prototypes on access, edge, and transport networks.

Authors of selected papers from IEEE CSCN 2019 will be invited to submit an extended and improved version to IEEE Standards Magazine special issue.

SUBMISSION

All submissions have to comply with IEEE's guidelines. Initial submissions for review are limited to seven (7) pages. Camera-ready papers should not exceed six (6) pages for long papers, and (4) pages for short papers, including figures without incurring additional page charges (maximum 1 additional page with over length page charge).

The submission URL is: <https://cscn2019.ieee-cscn.org/authors/>

IMPORTANT DATES

Submission Deadline: 1 June 2019

Acceptance Notification: 1 September 2019

Camera-Ready: 1 October 2019

ORGANIZING COMMITTEE

General Co-Chairs

Prof. Tarik Taleb (Aalto University, Finland) Prof. Juan M. Lopez-Soler (University of Granada, Spain)

TPC Co-Chairs

Prof. Arturo Azcorra (IMDEA Networks Institute, Spain) Prof. Narcis Cardona (Universitat Politècnica de València, Spain)
Dr. Imen Grida Benyahia (Orange Labs, France)

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tccc-announce@comsoc.org
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From: Ashraf Ali <ashraf@HU.EDU.JO>
Sent: March 11, 2019 12:09 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: 2019 IEEE 24th International Conference on Emerging Technologies and Factory Automation (ETFA 2019). Special Session 10 - "Emerging Cybersecurity Technologies for Industrial Applications"

Call-for-Papers

2019 IEEE 24th International Conference on Emerging Technologies and Factory Automation (ETFA 2019) *Special Session 10 - "Emerging Cybersecurity Technologies for Industrial Applications" * Web site:
<http://www.etfa2019.org/ss10-emerging-cybersecurity-technologies-for-industrial-applications/>

Dear Colleagues,

You are cordially invited to submit your contributions to the ETFA 2019 "Emerging Cybersecurity Technologies for Industrial Applications" Special Session, to be held on September 10th - 13th, 2019 in Zaragoza, Spain.

ETFA 2019 is the 24th Annual Conference of the IEEE Industrial Electronics Society (IES) focusing on the latest developments and new technologies, in the field of industrial and factory automation. The conference aims to disseminate novel ideas and emerging trends, research results and practical achievements.

Special Session 10 - "Emerging Cybersecurity Technologies for Industrial Applications" seeks to collect contributions on novel security approaches for existing and future Industrial applications, aiming at bringing together researchers and practitioners that conduct innovative Cybersecurity work on related technical fields.

ETFA 2019 will be held in the beautiful city of Zaragoza, Spain, founded under roman emperor Caesar Augustus around 14 BC. The city offers a host of historical sights covering its Roman, Islamic and Christian epochs, besides a great nightlife and some of the best tapas bars in the world.

Topics of interest include:

- Security in the context of Industrial retrofitting
- Network management security for Industrial Automation applications
- Applications of Distributed Ledger Technologies/Blockchains in IIoT
- Self-Sovereign Identity for M2M and decentralised device-to-device communication
- Wireless Sensor Network security
- Advances in Cyber Security for Industrial control systems
- Advances in PLC frameworks to enrich Safety Instrumented Systems (SIS)
- Securing Actuators, Sensors and Switchgear controlled via the Cloud
- Advances in Industrial mission critical security tools and solutions
- Real-time cybersecurity protocols
- Novel end-to-end encryption mechanisms for Industrial components
- Secure component interface design
- Hardware advances for securing Industrial devices and networks
- Physical layer security

Important dates:

- Submission deadline: April 1st
- Acceptance notification: May 6
- Deadline for final manuscripts: June 17

We do hope to see you in Zaragoza,

ETFA 2019 Special Session 10 organizers

Paulo C. Bartolomeu, University of Aveiro and Instituto de Telecomunicações, Portugal Ashraf A. Ali, Hashemite University, Jordan Joaquim Ferreira, University of Aveiro and Instituto de Telecomunicações, Portugal

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From: Anna Maria Vegni <annamaria.vegni@UNIROMA3.IT>
Sent: March 11, 2019 11:38 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [cfp] icccn 2019: social networks and computing (snc) track

[Apologies if you receive multiple copies]

CALL FOR PAPERS

The 28th International Conference on Computer Communication and Networks (ICCCN 2019) July 29 - August 1, 2019, Valencia, Spain <http://www.icccn.org/icccn19/> Social Networks and Computing (SNC) Track ICCCN 2019 is Technically Co-Sponsored by the IEEE Communication Society

Important Dates:

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Paper Submission Due: March 13th, 2019
Acceptance Notification: May 03rd, 2019
All Camera-Ready Papers Due: May 17th, 2019

Keynote Speakers:

Professor/Dr.-Ing. habil. Falko Dressler, Heinz Nixdorf Institute, Paderborn University, Germany; Mudhakar Srivatsa, PhD, IBM T. J. Watson Research Center, USA; Professor/Dr. Chai Keong Toh, National Tsing Hua University, Taiwan.

Scope:

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Recently, social network research has advanced rapidly, creating virtual communities that offer easier communication among different peers. The concept of social networks has been used in the context of information and communication technologies to provide efficient data exchange, sharing, and delivery services. In addition, understanding the social behavior and the interdependencies among mobile users, and their mobility patterns, can be helpful for such services. Nowadays, apart in traditional Online Social Networks like Facebook, Twitter, Instagram, and so on, social networking is being applied to a plethora of new application scenarios. Indeed, not only humans can have social relationships. Social Internet of Things allows the creation of social ties among “things” such as Parental-Object Relationship, Co-Work-Object Relationship, Co-Location-Object Relationship, Ownership-Object Relationship, and so on. Moving to vehicular scenarios, social networking is integrated into vehicular ad hoc networks, thus forming Social Internet of Vehicles: vehicles build social relationships with other social objects they might come into contact, with the intent of creating an overlay social network to be exploited for information search and dissemination for vehicular applications. This year, at ICCCN, we will continue investigating on social networking with the track on Social Networks and Computing, and look to bringing together researchers in the area of applying computing to social networks. This track seeks original ideas and submissions and will follow the policies as per the main ICCCN conference policies.

The scope of this track includes, but not limited to:

- Mobile and socially-aware networks,
- Community detection and community-based collaborative computing,
- Sensing as part of social networks,
- Big data and machine learning solutions for social networks,
- Cloud-based social networks,
- Security, privacy and trust and issues in social networks,

- Novel architectures for social networks,
 - Big data analytics for social networks,
 - Crowdsourcing applications for social networks,
 - Social Internet of Things,
 - Social Internet of Vehicles,
 - Social-based energy harvesting in social networks,
 - Social-based resource identification, discovery, and profiling,
 - Social-based routing protocols and architectures,
- and any other relevant areas related to social networking and computing.

Papers Submission:

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Submitted papers must represent original material that is not currently under review in any other conference or journal, and has not been previously published. Paper length should not exceed 9 pages. Up to two additional pages are permitted if the authors are willing to pay extra charge at the time of publication (manuscripts should not exceed 11 pages in total).

Submitted manuscripts must be formatted in standard IEEE camera-ready format (double-column, 10-pt font) and must be submitted via EasyChair (<https://easychair.org/conferences/?conf=icccn2019>) as PDF files (formatted for 8.5×11-inch paper).

Track co-Chairs

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Chaker Abdelaziz Kerrache, University of Ghardaia, Algeria.

Anna Maria Vegni, Roma Tre University, Italy

For more information see <http://icccn.org/icccn19/>

Anna Maria Vegni, PhD

COMLAB - Telecommunication Lab
 Department of Engineering
 ROMA TRE University
 Via Vito Volterra, 62 - 00146 Rome, Italy

e-mail: annamaria.vegni@uniroma3.it<<mailto:annamaria.vegni@uniroma3.it>>
 other: a.v.vegni@ieee.org<<mailto:a.v.vegni@ieee.org>>, vegni@acm.org<<mailto:vegni@acm.org>>
 web: <http://www.comlab.uniroma3.it/vegni.htm>
 ph: +39.06.5733.7357
 mob: +39.333.6570348 (or 87873)
 fax: +39.06.5733.7026

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From: Stanley Ewenike <stanley.ewenike92@GMAIL.COM>
Sent: March 11, 2019 10:58 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] IEEE Int. workshop on Software Defined Networks and Network Function Virtualization (SDN-NFV 2019)-Rome, Italy on June 10-13, 2019

(Apologies if you received duplicate copies of this call for workshop submissions)

Dear colleagues,

We are pleased to announce the Workshop entitled "The Third IEEE international workshop on Software Defined Networks and Network Function Virtualization" (SDN-NFV2019) In *conjunction* with The Fourth IEEE International Conference on Software Defined Systems (SDS-2019) that will be held in Rome, Italy on June 10-13, 2019.

Link: <http://emergingtechnet.org/SDN-NFV2019/>

*All published papers will be submitted for indexed in IEEE Xplore, SCOPUS, DBLP, and Google Scholar. *

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The emerging networking techniques such as Software Defined Network (SDN) and Network Function Virtualization (NFV) are promising a complete paradigm shift in how we manage our future networks. With their enormous benefits which include reducing the operational cost, better resources utilization and easier management requirements, the adoption of such technologies is gaining momentum. Supported by a well-defined basis such as network virtualization and the decoupling of the data and control planes, the integration of SDN and NFV with current systems might be a straightforward process. However, this might incur many challenges which require deep analysis to propose creative solutions. In the (SDN-NFV 2019) workshop, we are aiming to invite researchers from both the academia and the industry to present their state of the art research efforts and findings and to open the doors for discussion about how to contribute of the advancement of this important research field.

The Third IEEE International Workshop on Software Defined Network and Network Function Virtualization (SDN-NFV) will be a forum for scientists, researchers, students, and practitioners to present their latest research results, ideas, developments, and applications in the areas of SDN, NFV, 5G, Internet of Things (IoT) and Edge Computing . We are mainly interested in receiving state of the artwork on a different aspect of SDN and NFV management system, security and privacy, cloud computing and big data supported SDN and NFV, to mention but few.

The topics of interest for this workshop include, but are not limited to:

- Software Defined Network (SDN) Architectures and Design
- Network Function Virtualization (NFV) Architectures and Design
- SDN-NFV Integration
- SDN-NFV Orchestration
- SDN-NFV Based Control plane design
- SDN-NFV Based Data plane design
- SDN-NFV Performance Management
- SDN-NFV support for Cloud-based DataCenter
- SDN-NFV support for 5G Networks
- SDN-NFV support for Internet of Things (IoT)

- SDN-NFV support for Big Data Computing
- SDN-NFV support for large scale storage system
- Hardware system design for SDN-NFV
- SDN-NFV Security management
- Radio Access Network virtualization
- SDN-NFV in access networks
- Edge and Fog Computing
- Cloud Computing
- Case studies

Conference Link: *<http://emergingtechnet.org/SDN-NFV2019/>
<<http://emergingtechnet.org/SDN-NFV2019/>>*

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Submission Instructions

Papers selected for presentation will appear in the SDS Proceedings, which will be submitted to IEEE Xplore for inclusion. Papers must be 6 pages in IEEE format, 10pt font using the IEEE 8.5" x 11" two-column format, single space, A4 format. All papers should be in PDF format and submitted electronically at Paper Submission Link. A full paper must not exceed the stated length (including all figures, tables, and references).

Submitted papers must present original unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines may be rejected without review. Also, submissions received after the due date, exceeding length limit, or not appropriately structured may also not be considered.

Authors may contact the Program Chair for further information or clarification.

Papers should be submitted electronically by the deadline to
<https://easychair.org/conferences/?conf=sdnnfv2019>

Please refer to the link below for detailed instructions to complete your registrations and Final Submissions

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Important Dates *Submission Date: March 17th, 2019* (Firm and Final
Extended)

Notification to Authors: April 5th, 2019 Camera Ready Submission: April 20th, 2019

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From: Hari Subramoni <subramoni.1@OSU.EDU>
Sent: March 11, 2019 10:49 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call For Papers: Fifth International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale (ExaComm 2019)

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Call For Papers

Fifth International Workshop on Communication Architectures for
HPC, Big Data, Deep Learning and Clouds at Extreme Scale
(ExaComm 2019)

to be held in conjunction with
ISC 2019, June 16 - 20, 2019
Frankfurt, Germany

<http://nowlab.cse.ohio-state.edu/exacomm/>

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Extreme Scale computing in HPC, Big Data, Deep Learning, and Clouds are marked by multiple-levels of hierarchy and heterogeneity ranging from the compute units (many-core CPUs, GPUs, APUs etc) to storage devices (NVMe, NVMe over Fabrics etc) to the network interconnects (InfiniBand, High-Speed Ethernet, Omni-Path etc). Owing to the plethora of heterogeneous communication paths with different cost models expected to be present in extreme scale systems, data movement is seen as the soul of different challenges for exascale computing. On the other hand, advances in networking technologies such as NoCs (like NVLink2 and Stormlake), RDMA enabled networks and the likes are constantly pushing the envelope of research in the field of novel communication and computing architectures for extreme scale computing. The goal of this workshop is to bring together researchers and software/hardware designers from academia, industry and national laboratories who are involved in creating network-based computing solutions for extreme scale architectures. The objectives of this workshop will be to share the experiences of the members of this community and to learn the opportunities and challenges in the design trends for exascale communication architectures.

ExaComm 2019 will be held in conjunction with the International Supercomputing (ISC 2019), Frankfurt, Germany.

Topics

ExaComm 2019 welcomes original submissions in a range of areas, including but not limited to:

- * Scalable communication protocols
- * High-performance networks
- * Runtime/middleware designs
- * Impact of high-performance networks on Deep Learning / Machine Learning
- * Impact of high-performance networks on Big Data
- * Novel hardware/software co-design

- * High-performance communication solutions for accelerator-based computing
- * Power-aware techniques and designs
- * Performance evaluations
- * Quality of Service (QoS)
- * Resource virtualization and SR-IOV

Papers should present original research and should provide sufficient background material to make them accessible to the broader community.

Important Dates

Technical paper submission deadline : 11:59 PM AoE Friday, March 29, 2019

Author notification : Wednesday, May 1, 2019

Conference-ready deadline : Friday, June 14, 2019

Workshop : Thursday, June 20, 2019

Camera-ready deadline : Monday, July 22, 2019

Paper Submission and Registration

Abstracts and papers need to be submitted via the EasyChair conference system.

EasyChair URL for ExaComm'19:

<https://easychair.org/conferences/?conf=exacomm2019>

We request the authors to use the LNCS style (single column format) using either the LaTeX document class or Word template. For details on the author guidelines, please refer to Springer's website (<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>). Incorrectly formatted papers will be excluded from the reviewing process. Submission must be made as a single PDF file which includes all figures and bibliography.

Submissions are accepted under the following two categories:

Full Paper : 12 pages with all figures and bibliography in the LNCS format

Short Paper : 8 pages with all figures and bibliography in the LNCS format

Papers should present original research and should provide sufficient background material to make them accessible to the broader community. It should not be submitted in parallel to any other conference or journal.

At least one of the authors of each accepted paper must register as a participant in the workshop and present the paper at the workshop.

Each research paper will be taken through a comprehensive peer review process by an internationally recognized group of experts in the field.

Papers will be evaluated along the metrics of a) Quality of Presentation; b) Novelty / Originality; c) Relation to State of the Art; d) Technical Strength; e) Significance of Work; and f) Relevance to Workshop. Every effort will be made to ensure that each paper receives multiple reviews.

The papers accepted to be presented in ExaComm'19 will be published in a separate post-conference joint workshop proceeding volume, published online with Springer Publishing. The camera-ready versions need to be submitted via the EasyChair conference management system. The link to the submission site will be provided soon.

Please contact the Program Chairs for any questions/clarifications

Proceedings Information

The papers accepted to be presented in ExaComm'19 will be published in a separate, post-conference joint ISC workshop proceedings volume, published online with Springer Publishing. It serves the purpose to share your paper during the workshop day and to foster discussions.

These PDFs will be deleted a week after the conference. You may adjust your paper for the camera-ready version after the workshop day and improve it based on the feedback received.

The process for preparing the conference-ready and camera-ready versions of accepted papers are described below.

A) Deadlines

There are two deadlines you have to consider:

Conference-ready deadline : Friday, June 14, 2019

Camera-ready deadline : Monday, July 22, 2019

The conference-ready paper version will be hosted during the conference and the link will be shared with workshop attendees. It serves the purpose to share your paper during the workshop day and to foster discussions.

These PDFs will be deleted a week after the conference. You may adjust your paper for the camera-ready version after the workshop day and improve it based on the feedback received.

The camera-ready version will be prepared for publication with Springer.

B) Formatting Guidelines for camera-ready submission

Papers need to be formatted according to Springer's single column LNCS style (see <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0> for LaTeX and Word templates).

For the camera-ready version, the copyright must be transferred to Springer (see D)

C) Preparation of the conference-ready proceedings

The papers must be uploaded to EasyChair (<https://easychair.org/conferences/?conf=iscworkshops2019>) by the deadline. When registering your paper, select your workshop and enter the proper title. You have to fill all author information properly as this field will be used to automatically create the proceedings. You may fill a dummy into the keywords.

For the conference-ready version, only the PDF is needed. The proceeding chairs will then download the PDFs for the conference-ready publication.

D) Preparation of the camera-ready proceedings

After the conference, the proceedings chairs will modify the proceeding settings on EasyChair and contact you directly using the email function from EasyChair to instruct the final steps.

For the camera-ready version, the copyright must be transferred to Springer; an adjusted copyright form will be provided to you after the conference. - In particular, it allows authors self-archiving of the paper

Please contact the Program Chairs for any questions/clarifications.

ExaComm'19 Workshop Organizers

Hari Subramoni, The Ohio State University Dhabaleswar K. (DK) Panda, The Ohio State University

Program Committee

- * Ron Brightwell, Sandia National Laboratories
- * Hans Eberle, NVIDIA
- * Brice Goglin, INRIA, France
- * Dror Goldenberg, Mellanox Technologies
- * R. Govindarajan, Indian Institute of Science, Bangalore, India
- * Ryan Grant, Sandia National Laboratories
- * Hai Jin, Huazhong University of Science and Technology, Wuhan, China
- * Sven Karlsson, Technical University of Denmark, Lyngby, Denmark
- * Takeshi Nanri, University of Kyushu, Japan
- * Sebastien Rumley, Columbia University
- * Martin Schulz, Technical University of Munich, Munich, Germany
- * John M. Shalf, NERSC/LBL
- * Tor Skeie, Simula Research Laboratory, Norway
- * Xin Yuan Florida State University
- * Jidong Zhai, Tsinghua University, Beijing, China

Further Information

See the ExaComm'19 website at
<http://nowlab.cse.ohio-state.edu/exacomm/>

Thanks,
The ExaComm'19 Organizing Committee.

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<https://comsoc-listserv.ieee.org/>

From: Kuai Xu <Kuai.Xu@ASU.EDU>
Sent: March 11, 2019 10:42 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] WASA 2019 CFP: Deadline Extension

The 14th International Conference on Wireless Algorithms, Systems, and Applications (WASA)

June 24-26, 2019, Ala Moana Hotel, Honolulu, HI 96814, USA

Call for Papers

WASA is an international conference on algorithms, systems, and applications of wireless networks. It is motivated by the recent advances in cutting-edge electronic and computer technologies that have paved the way for the proliferation of ubiquitous infrastructure and infrastructureless wireless networks.

WASA is designed to be a forum for theoreticians, system and application designers, protocol developers and practitioners to discuss and express their views on the current trends, challenges, and state-of-the-art solutions related to various issues in wireless networks. Topics of interests include, but are not limited to, effective and efficient state-of-the-art algorithm design and analysis, reliable and secure system development and implementations, experimental study and testbed validation, and new application exploration in wireless networks.

In addition to technical sessions and panels, WASA 2019 will feature several keynote speeches, given by leading researchers and practitioners in the areas of algorithms, systems, and applications in wireless networks.

Submission Guidelines

Submission page: <https://easychair.org/conferences/?conf=wasa2019>

Submitted papers should be original, unpublished work and not currently under review for any other conference or journal. Papers not following these guidelines will be rejected.

Topics of interest include, but are not limited to:

- Cognitive Radio Networks, Software-defined radio, reconfigurable radio networks
- Cyber-physical systems including intelligent transportation systems and smart healthcare systems
- Theoretical frameworks and analysis of fundamental cross-layer protocol and network design and performance

issues

- Distributed and localized algorithm design and analysis
- Information and Coding theory for Wireless Networks
- Localization
- Mobility models and mobile social networking
- Mobile cloud computing
- Topology control and coverage
- Security and privacy
- Underwater and underground Networks
- Vehicular networks
- Radar and Sonar Networks
- PHY/MAC/Routing protocols
- Information processing and data management
- Programmable service interfaces

- Energy-efficient algorithms, systems and protocol design
- Operating system and middleware support
- Pervasive and ubiquitous computing
- Local area and personal wireless networks
- Applications, design, and performance of wireless ad hoc and sensor networks
- Delay/disruption tolerant networks
- Experimental testbeds, models and case studies

Extended versions of most papers from the conference will be published in special issues of Personal and Ubiquitous Computing (SCI), Security and Communication Networks (SCI), Tsinghua Science and Technology (SCI), International Journal of Distributed Sensor Network(SCI), Sensors(SCI), IEEE Access (SCI), and Remote Sensing (SCI), EURASIP Journal on Wireless Communications and Networking (SCI), Wireless Communications and Mobile Computing (SCI).

Important Dates

- New Submission Deadline: 11:59 PM, March 19th, 2019 HST
- Notification: April 5, 2019
- Camera-Ready Submission: April 10, 2019

Organizing Committee

General Chair

- Yingfei Dong, University of Hawaii, USA

Program Co-Chairs:

- Edoardo S. Biagioni, University of Hawaii, USA
- Yao Zheng, University of Hawaii, USA
- Siyao Cheng, Harbin Institute of Technology, China

Publicity Co-Chairs

- Kuai Xu, Arizona State University, USA
- Cheng Zhang, George Washington University, USA

Publication Co-Chairs

- Wei Li, Georgia State University, USA
- Yibo Xue, Tsinghua University, China
- Zhenhai Duan, Florida State University, USA

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- Yi Zhu, Hawaii Pacific University, USA

Web Chair

- Meng Han, Kennesaw State University, USA

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- Xiuzhen Susan Cheng (Co-Chair), George Washington University, USA
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- Jiannong Cao, Hong Kong Polytechnic University, Hong Kong, China
- Ness Shroff, The Ohio State University, USA
- Wei Zhao, University of Macau, China
- PengJun Wan, Illinois Institute of Technology, USA
- Ty Znati, University of Pittsburgh, USA
- Xinbing Wang, Shanghai Jiao Tong University, China

Contact: All questions about submissions should be emailed to Edoardo Biagioni (esb@hawaii.edu), and Yao Zheng (yao.zheng@hawaii.edu).

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>
TCCC Announce: For announcements concerning computer networking and communications.
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From: Casas Pedro <Pedro.Casas@AIT.AC.AT>
Sent: March 11, 2019 9:10 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [IMC 2019] CFP: ACM Internet Measurement Conference 2019 @Amsterdam - paper registration by May the 6th

ACM Internet Measurement Conference - IMC 2019 Amsterdam, The Netherlands - October 21-23, 2019
<https://conferences.sigcomm.org/imc/2019/>

Submission link: <https://imc19.hotcrp.com/>

- + Paper registration: May 6, 2019
- + Paper submission: May 13, 2019

The Internet Measurement Conference (IMC) is a highly selective venue for the presentation of measurement-based research in data communications. The focus of IMC 2019 will be on research that improves the practice of network measurement, illuminates some facet of an operational network, or both. We encourage authors to discuss the implications of their results to future research and/or to operations. We also encourage authors to discuss representativeness and limitations of their work due to coverage of their measurements across space and time.

IMC takes a broad view of contributions that are considered in scope for improving the practice of network measurement, including, but not limited to:

- + collection and analysis of data that yield new insights about network
- + structure and network performance (e.g., traffic, topology, routing,
- + energy utilization) collection and analysis of data that yield new
- + insights about application and end-user behavior (e.g., economics,
- + privacy, security, application interaction with protocols) modeling of
- + network internals and application behavior (e.g., workloads, scaling
- + behavior, assessment of performance bottlenecks) methods and tools to
- + monitor and visualize network-based phenomena novel systems and
- + algorithmic techniques that leverage measurement-based findings
- + advances in data collection, analysis, and storage (e.g.,
- + anonymization, querying, sharing) descriptions of challenges and
- + future directions the measurement community should pursue

Operational networks of interest include:

- + the Internet backbone
- + edge networks (e.g., home networks, cellular networks, WLANs) data
- + center networks and cloud computing infrastructure software-defined
- + networks and network function virtualization peer-to-peer, overlay,
- + and content distribution networks infrastructure for online social
- + networks experimental networks, prototype networks, and future
- + Internetworks large-scale distributed systems and online services

Authors unsure about topical fit are welcome to contact the program committee co-chairs at imc2019pcchairs@sigcomm.org<<mailto:imc2019pcchairs@sigcomm.org>>.

REVIEW PROCESS AND CRITERIA

IMC 2019 invites two forms of submissions:

- + Full papers (up to 13 pages for text and figures + unlimited pages for references) that describe original research, with succinctness appropriate to the topics and themes they discuss.
- + Short papers (up to 6 pages for text and figures + unlimited pages for references) that convey work that is less mature but shows exciting promise, OR offer results that do not merit a full submission. Short papers could articulate a high-level vision and describe challenging future directions that the authors believe the community should tackle; validate, verify, or update important results; or present new ideas that challenge existing assumptions.

Any submission exceeding short paper page-length limit will be evaluated as a full paper.

Authors should only submit original work that has not been published before and is not under submission to any other venue. We will consider full paper submissions that extend previously published short, preliminary papers (including IMC short papers) following the model of the ACM SIGCOMM policy (<http://www.sigcomm.org/about/policies/frequently-asked-questions-faq>).

IMC 2019 will bestow two awards on paper submissions, a Best Paper award and a Community Contribution award. The best paper award will recognize the outstanding paper at the conference, and all accepted papers are eligible for it. The community contribution award will recognize a paper with an outstanding contribution to the community in the form of a novel dataset, source code distribution, open platform, or other noteworthy service to the community. To be eligible for the community award, the authors must make publicly available their dataset (e.g., through DatCat - <http://www.datcat.org/> for Internet measurement data or CRAWDAD - <http://crawdad.cs.dartmouth.edu/> for wireless data) or source code (e.g., via github, bitbucket), or have an open working platform, etc., by the camera-ready deadline. The authors indicate their eligibility on the submission form and are also encouraged to include a link to the contribution in the submitted paper itself.

ETHICAL CONSIDERATIONS

Papers describing experiments with users or sensitive user data (e.g., network traffic, passwords, social network information) must follow basic precepts of ethical research and subscribe to community norms. These include: respect for privacy, secure storage of sensitive data, voluntary and informed consent if users are placed at risk, avoiding deceptive practices when not essential, beneficence (maximizing the benefits to an individual or to society while minimizing harm to the individual), and risk mitigation. When appropriate, authors are encouraged to include a subsection describing these issues. Authors may want to consult the Menlo Report (http://www.caida.org/publications/papers/2012/menlo_report_actual_formatted/) for further information on ethical principles and the Allman/Paxson IMC 07 paper (<http://conferences.sigcomm.org/imc/2007/papers/imc80.pdf>) for guidance on ethical data sharing.

Note that submitting research for approval by each author's institutional ethics review body is necessary, but not sufficient - in cases where the PC has concerns about the ethics of the work in a submission, the PC will consider the ethical soundness and justification of any paper, just as it does its technical soundness. The PC takes a broad view of what constitutes an ethical concern, and authors agree to be available at any time during the review process to rapidly respond to queries from the PC chairs regarding ethical considerations. Authors unsure about ethical issues are welcome to contact the program committee co-chairs at imc2019pcchairs@sigcomm.org or imc2019pcchairs@sigcomm.org.

SUBMISSION GUIDELINES

All submissions must satisfy the following requirements:

- + Full papers: up to 13 pages for technical content (including appendices) + unlimited pages for references
- Short papers: up to 6 pages for technical content (including appendices) + unlimited pages for references
- 10-point font for main text; font used in other places (e.g., figures) should be no smaller than 9 point
- two-column format, with the size of each column being at most 3.33 x 9.25 inches and the space between columns being at least 0.33 inches
- letter page size (8.5 x 11 inches) include names and affiliations of all authors on the title page (no anonymization)

Submissions that do not comply with these requirements will be rejected without review. The sig-alternate-10pt.cls style file satisfies the formatting requirements. Compile your source with options that produce letter page size.

Please submit your paper at <https://imc19.hotcrp.com/>.

IMC 2019 SHADOW PC

As in previous editions, IMC 2019 will run a shadow PC - information coming soon.

Shadow PC Chairs:

- + Matthias Wählisch (Freie Universität Berlin)
- Gareth Tyson (Queen Mary University of London)
- Eric Osterweil (George Mason University)

IMPORTANT DATES

- + Paper registration (with abstract) - Monday May 6, 2019 at 5PM PDT (UTC-7)
- + Paper submission - Monday May 13, 2019 at 5PM PDT (UTC-7)
- + Notification - July 19, 2019
- + Reviews Available - July 22, 2019
- + Camera-ready due - September 13, 2019
- + Conference - October 21 - 23, 2019

COMMITTEES

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PEDRO CASAS
 Scientist
 Information Management
 Center for Digital Safety & Security

AIT Austrian Institute of Technology GmbH
 Giefinggasse 4 | 1210 Vienna | Austria
 T +43 50550-4104 | M +43 664 88256097 | F +43 50550-2813
pedro.casas@ait.ac.at <<mailto:pedro.casas@ait.ac.at>> | www.ait.ac.at <<http://www.ait.ac.at>>

FN: 115980 i HG Wien | UID: ATU14703506
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From: Ismaeel Al Ridhawi <ismaeel.alridhawi@GMAIL.COM>
Sent: March 11, 2019 7:56 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] The 3rd IEEE Int. Workshop on Smart Cities Systems Engineering (SCE-2019) CFP. Rome, Italy. June 10-13, 2019

[Apologies if you got multiple copies of this invitation]

The Third International Workshop on Smart Cities Systems Engineering (SCE 2019) <<http://emergingtechnet.org/SCE2019/index.php>>

in conjunction with

The 4th International Conference on Fog and Mobile Edge Computing (FMEC 2019) <<http://emergingtechnet.org/FMEC2019/index.php>>

Rome, Italy. June 10-13, 2019

(Technically Co-Sponsored by IEEE Italy Section)

SCE 2019 CFP

Smart cities provide next generation engineering approaches for urbanization. Smart cities aim to exploit the intellectual and social capital as its core ingredient for urbanization, in addition to the physical and ICT infrastructure. Smart cities are driven by several interdependent trends. These include a pressing need for environmental sustainability, and peoples' increasing demands for personalisation, mobility and higher quality of life. Technological developments such as miniaturization of devices, internet of things (IoT), big data, and decreasing costs of computational entities have also accelerated the smart cities developments.

Smart cities encompass all aspects of modern day life, transportation, healthcare, entertainment, work, businesses, social interactions, governance, etc. It is therefore necessary to engineer smart cities as complex systems of systems supported by a converged ubiquitous infrastructure. A key challenge in the realization of smart cities is to create an ecosystem of digital infrastructures that are able to work together and enable dynamic real-time interactions between various smart city subsystems. With this background, this workshop invites submissions that propose state of the art solutions for smart cities systems engineering.

A particular focus of the workshop are the studies that involve cloud computing, fog computing, and mobile edge computing technologies. Original articles including modelling and empirical studies and development, as well as relevant surveys are welcome. The topics of interest of the workshop include, but are not limited to:

- * IoT based developments for smart cities engineering
- * Big data technologies for smart cities
- * Modelling and analysis of smart city technologies and systems
- * Mobile applications for smart cities
- * Analytics for smart cities
- * Cloud computing based approaches for smart city engineering
- * Fog and edge computing based approaches for smart city engineering
- * Cloudlet based approaches for smart city engineering
- * Studies focussed on communication networks for smart cities

- * Information management for smart cities
- * Smart buildings, smart homes and smart energy grids
- * Transportation, healthcare, and governance for smart cities
- * Security and privacy of smart city systems

Keynote Speakers:

- Omer Rana, Cardiff University, UK
- Gennaro Boggia, Politecnico di Bari, Italy
- Vincenzo Piuri, University of Milan, Italy

Submission

Papers selected for presentation will appear in the SCE and FMEC Proceedings, which will be submitted to IEEE Xplore for inclusion. Papers must be 6 pages max in IEEE format, 10pt font using the IEEE 8.5" x 11" two-column format, single space, A4 format. All papers should be in PDF format, and submitted electronically at Paper Submission Link. A full paper must not exceed the stated length (including all figures, tables and references).

Submitted papers must present original unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines may be rejected without review. Also submissions received after the due date, exceeding length limit, or not appropriately structured may also not be considered. Authors may contact the Program Chair for further information or clarification.

Important Dates:

Submission Date: March 17th, 2019 (Firm and Final Extension)

Notification to Authors: April 5th, 2019 Camera Ready Submission: April 20th, 2019

Please send any inquiry on SCE 2019 to the Emerging Tech. Network Team at:
emergingtechnetwork@gmail.com

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From: Scott Fowler <0000002d4099a4e5-dmarc-request@COMSOC-LISTSERV.IEEE.ORG>
Sent: March 11, 2019 7:52 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP iSCI 2019

Please accept our apologies if you receive multiple copies of this CFP.

===== iSCI 2019 =====

The 7th International Conference on Smart City and Informatization (iSCI 2019) November 12-15, 2019, Guangzhou, China <http://isci-conf.org/iSCI2019/>

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Co-located Conference

- The 5th International Conference on Dependability in Sensor, Cloud, and Big Data Systems and Applications (DependSys 2019) <http://www.dependsys.org/DependSys2019/>

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Smart City and Informatization

The 7th International Conference on Smart City and Informatization (iSCI 2019) aims to provide a unique platform for multi-disciplinary researchers and teams, industry solution vendors, and government agencies to exchange innovative ideas, challenges, research results and solutions, as well as project experience reports and successful stories.

iSCI 2019 topics include, but are not limited to the following:

Track 1: Internet of Things (IoT) and Smart Sensing

- Security Model and Architecture
- Smart Sensing in IoT
- Trustworthy Data Collection in IoT
- Information Security in IoT
- Ubiquitous Safety in IoT

Track 2: Urban Computing and Big Data

- Data Collection and Data Mining for Smart City
- Expression and Visualization of Urban Data
- Urban Monitoring and Optimization
- Intelligent Transport Systems
- Urban Traffic Flow Prediction

Track 3: Sustainable Industry 4.0

- Enterprise Manufacturing and Management Informatization
- Green Industry and Sustainable Manufacturing
- Resource Allocation Efficiency Promotion Technologies
- Integration of Information and Industrialization
- Energy Informatics

Track 4: Smart Society Informatization Technologies

- E-Government for Smart City

- E-Health for Smart City
- E-Education for Smart City
- E-Social Services for Smart City
- Social Mobility Analysis and Social Life Informatization

Track 5: Cloud/Edge/Fog Computing for Smart City

- Cloud Computing for Smart City
- Collaborative Cloud and Edge Computing for Smart City
- Collaborative Cloud and Fog Computing for Smart City
- Future Computing with Multiple Clouds
- Security and Privacy across Clouds

Track 6: Applications for Smart City Informatization

- Structural Health Monitoring in Smart City
- Smart Grids and Energy
- Smart Water and Food Systems
- Applications for Smart Community and Smart Pension
- Applications for Smart Environment and Smart Economy

IMPORTANT DATES

Workshop Proposal Deadline: March 15, 2019 Paper Submission Deadline: May 15, 2019 Author Notification: July 15, 2019 Camera-Ready Paper Due: September 15, 2019 Conference Dates: November 12-15, 2019

PAPER SUBMISSION

All papers need to be submitted electronically through the conference website (<https://easychair.org/conferences/?conf=isci2019>) with PDF format. Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers must be clearly presented in English, must not exceed 14 pages in Springer LNCS format (or up to 20 pages with the pages over length charge), including tables, figures, references and appendices. Papers will be selected based on their originality, significance, relevance, and clarity of presentation assessed by at least three reviewers. Submission of a paper should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work.

PAPER PUBLICATION

iSCI 2019 reserves the right to exclude a paper from distribution after the conference (e.g., removal from the digital library and indexing services), if the paper is not presented at the conference. All accepted papers will be published by Springer LNCS (EI Indexed). Two outstanding papers will be selected to receive the Best Paper Awards.

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Track 2: Urban Computing and Big Data

Sancheng Peng, Guangdong University of Foreign Studies, China Konstantinos Kolias, University of Idaho, USA Rukhsana Afroz Ruby, Shenzhen University, China

Track 3: Sustainable Industry 4.0

Weizhi Meng, Technical University of Denmark, Denmark Shigeng Zhang, Central South University, China Sikder M. Kamruzzaman, Ryerson University, Canada

Track 4: Smart Society Informatization Technologies Fabio Narducci, University of Naples Parthenope, Italy Yang Liu, Beijing University of Posts and Telecommunications, China Changqing Luo, Virginia Commonwealth University, USA

Track 5: Cloud/Edge/Fog Computing for Smart City Jianhua He, Aston University, UK Wei Chang, Saint Joseph's University, USA SK Hafizul Islam, Indian Institute of Information Technology Kalyani, India

Track 6: Applications for Smart City Informatization Xuxun Liu, South China University of Technology, China Vijoy Kumar, University College of Engineering Tindivanam, India Shaohua Wan, Zhongnan University of Economics and Law, China

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Local Organizing Committee Chair

Jianer Chen, Guangzhou University, China

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CALL FOR PROPOSALS for SYMPOSIUMS, WORKSHOPS and SPECIAL SESSIONS The iSCI 2019

Symposiums/Workshops/Special Sessions provide vibrant opportunities for academic researchers and industry practitioners to share their research experiences, original research achievements and practical development products on specific new challenges and emerging issues. The themes of the iSCI 2019 Workshops should be related to the scopes of the iSCI 2019 main conference, reflecting to advances in all aspects of security, privacy and anonymity of computing systems, communication networks and storage services.

For submission guidelines see <http://isci-conf.org/iSCI2019/>

ACCEPTED SYMPOSIUMS, WORKSHOPS and SPECIAL SESSIONS

(1) The 9th International Workshop on Assistive Engineering and Information Technology (AEIT 2019), November 12-15, 2019, Guangzhou, China <http://www.isci-conf.org/AEIT2019/>

(2) The 3rd International Workshop on Cyberspace Security (IWCSS 2019), November 12-15, 2019, Guangzhou, China <http://www.isci-conf.org/IWCSS2019/>

(3) The 2nd International Workshop on Blockchain and its Applications (Blockchain 2018), November 12-15, 2019, Guangzhou, China <http://www.isci-conf.org/Blockchain2019/>

SPECIAL ISSUES

Distinguished papers, after further revisions, will be published in 10+ SCI & EI indexed special issues*. Special issues will be shared by co-located conferences (iSCI 2019 and DependSys 2019) and associated symposiums, workshops and special sessions (AEIT, IWCSS, Blockchain, etc):

(1) IEEE Internet of Things Journal (SCI & EI Indexed, Impact Factor: 5.863) (Pending) <http://ieee-iotj.org/>

(2) IEEE Access (SCI & EI Indexed, Impact Factor: 3.557) <http://ieeaccess.ieee.org/>

(3) ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM) (SCI & EI Indexed, Impact Factor: 2.019) <https://tomm.acm.org/>

(4) Future Generation Computer Systems - Elsevier (SCI & EI Indexed, Impact Factor: 4.639) <http://www.journals.elsevier.com/future-generation-computer-systems/>

(5) Concurrency and Computation: Practice and Experience, IOS Press (SCI & EI Indexed, Impact Factor: 1.114) <http://www.cc-pe.net/journalinfo/>

(6) Journal of Systems Architecture - Elsevier (SCI & EI Indexed, Impact Factor: 0.913) <https://www.journals.elsevier.com/journal-of-systems-architecture/>

(7) MDPI Sensors (SCI & EI Indexed, Impact Factor: 2.475) <https://www.mdpi.com/journal/sensors>

(8) MDPI Symmetry (SCI & EI Indexed, Impact Factor: 1.256) <https://www.mdpi.com/journal/symmetry/>

(9) International Journal of Computational Science and Engineering (IJCE) - INDERSCIENCE (ESCI & EI Indexed)
<http://www.inderscience.com/jhome.php?jcode=IJCE>

(10) Journal of High Speed Networks (JHSN), IOS Press (ESCI & EI Indexed) <https://www.iospress.nl/journal/journal-of-high-speed-networks/>

* More special issues will be added later.

Contact

Please email inquiries concerning iSCI 2019 to Conference Organizers: iSCI2019@googlegroups.com

Prof. Guojun Wang, General Chair of iSCI 2019

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Dr. Guojun Wang, Pearl River Scholarship Distinguished Professor Director of Institute of Computer Networks, Vice Dean of School of Computer Science and Cyber Engineering, Guangzhou University, Guangzhou, Guangdong Province, P. R. China, 510006

Tel/Fax: +86-20-39366920, Mobile: +86-13360581866

Email: csgjwang@gzhu.edu.cn; csgjwang@gmail.com <http://trust.gzhu.edu.cn/faculty/~csgjwang/publications.html>

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>

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From: Myungsoo Kim <siamshade1@NAVER.COM>
Sent: March 11, 2019 5:45 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] The Second International Workshop on Smart Factory Convergence. Co-Located with ICCS

The Second International Workshop on Smart Factory Convergence (SFC 2019).
<https://sites.google.com/site/smartfactoryworkshop/>

Co-Located with the 19th International Conference on Computational Science and Its Applications (ICCSA 2019), July 1 - 4 2019, Saint Petersburg, Russia.
<http://www.iccsa.org/>

Overview

Today, a number of trends such as the internet of things (IoT), digital manufacturing and cyber-physical systems are considered key elements of the definition and implementation of Industry 4.0. Technological advancements in the ability to collect, transfer and analyze vast amounts of data very rapidly are at the core of this trend. Closely related, smart factory is a concept that aims at integrating these new technologies to rapidly adapt and respond to changes in the markets&demands for high-quality products. In practice, smart factories lie at the core of both, Industry 4.0 and smart manufacturing.

In other words, smart factory, also known as Industry 4.0, refers to the next-generation manufacturing paradigm that aims to make use of smart sensors, cloud computing infrastructures, artificial intelligence or machine learning, advanced robotics to improve manufacturing productivity and cost efficiency. As one of the key enablers for smart factory, the Internet of Things (IoT) enables integration of physical objects with digital systems by offering connectivity of manufacturing devices and systems through sensors or augmented reality.

The objective of this workshop is to collect cutting-edge research works focused on smart factory convergence. The workshop provides a multi-disciplinary collaborative forum for researchers and practitioners to submit papers with novel ideas, innovative solutions, and research results related to the field of the smart factory convergence.

Topics

Topics of interest include, but are not limited to, the following scope:

- + Smart factory test beds and best practices Manufacturing
- + cyber-physical systems (CPS) Emerging sensing technologies for smart
- + factory Industrial IoT (IIoT) interoperability for smart factory
- + Sensor-enabled manufacturing process monitoring and control
- + Manufacturing intelligence and manufacturing informatics Advanced
- + diagnostics, prognostics and asset health management Embedded systems
- + for smart factory Augmented reality and wearable computing for greater
- + equipment or process awareness Machine-to-machine communication
- + standards for smart factory Human machine interactions for smart
- + factory Cybersecurity for smart factory systems Smart inspection
- + systems Cloud-based applications for smart factory Recent Advances in
- + 5G for IIoT 3D Printing in Manufacturing Smart factory of mo!
- deling and simulation

Important dates

- + March 15, 2019: Deadline for paper submission March 31, 2019:
- + Notification of Acceptance.
- + May 8, 2019: Early-bird Registration ends.
- + May 8, 2019: Submission deadline for the final version of the Papers
- + July 1-4, 2019: ICCSA 2018 Conference

Submission

To submit a paper, please connect to the Submission site from the link available at the ICCSA 2019 web site: <http://ess.iccsa.org>. Only papers submitted through the electronic system and strictly adhering to the relevant format will be considered for reviewing and publication. The submission may fall into the following five categories: Main Conference Theme Papers, Special Session/Workshop Papers, Short Papers, and PHD Showcase Papers.

Remember!!! Special Session/Workshop Papers / SFC2019

The submitted paper must be between 10 to 16 pages long for LNCS publication and should be formatted according to the LNCS rules.

Please consult the URL <http://www.iccsa.org/Instructions-for-authors> for formatting information and templates. Each paper must deal with original and unpublished work, not submitted for publication elsewhere (copyright problems fall entirely under responsibility of the authors). Each paper will be reviewed by at least three experts in the relevant field (acceptance rate was 28% in 2005, 26% in 2006 and 28% in 2007, 29% in 2008, 30% in 2009, 29% in 2010, 2011, 2012, and 30% in 2013, 2014, 2015, 2016, 2017 and 2018) ensuring the publication of only top quality contributions.

When a paper is accepted at least one of the authors has to register to the conference and deliver the related talk. Failure to do so shall lead to rejection of the application to attend next year conference and the exclusion of the paper for the current year proceedings.

Contact

Prof. Jongpil Jeong
 PI, Department of Smart Factory Convergence (<http://smartfactory.skku.edu>)
 Mobile: 010-9700-6284 (Office: 031-299-4260)
 E-mail: jpjeong@skku.edu
 Band: <http://www.band.us/@smartfactory>
 Office: 27526B, 2nd Eng. Buidling, Sungkyunkwan University, Suwon, Korea

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<https://comsoc-listserv.ieee.org/>



From: Georgios Stavrinides <gstavrin@CSD.AUTH.GR>
Sent: March 11, 2019 4:07 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] SIMULATION MODELLING PRACTICE AND THEORY SPECIAL ISSUE ON "Modeling and Simulation of Fog Computing" (SIMPAT SI Fog Computing 2019)

CALL FOR PAPERS

SIMULATION MODELLING PRACTICE AND THEORY SPECIAL ISSUE ON "Modeling and Simulation of Fog Computing"

<https://www.journals.elsevier.com/simulation-modelling-practice-and-theory/call-for-papers/modeling-and-simulation-of-fog-computing>

THEME:

Cloud computing provides a large number of resources and services to users. However, time-critical applications have to cope with the problem of latency. Fog Computing complements and extends cloud computing to its edge. It addresses the issue of latency by placing micro data centers closer to the end users and thus closer to where the data are generated.

The Internet of Things, autonomous vehicles and smart cities are areas strongly related to - and in many aspects dependent on - Fog Computing, entailing many challenges, such as security, reliability and energy efficiency. Consequently, appropriate systems and innovative algorithms are required in order to effectively leverage the full potential of Fog Computing.

The scope of this Special Issue is to present state-of-the-art research covering a variety of concepts in Fog Computing, particularly focused on modelling, simulation and performance evaluation of such platforms.

Papers for the Special Issue must provide a substantial novel contribution, and authors must carefully situate their work with regard to the relevant scientific literature. They must clearly address research issues of Fog Computing and show the role of modelling and simulation in this research area.

Topics of interest include, but are not limited to:

- Real-time fog computing applications
- Performance evaluation and modelling of fog computing systems
- Dew computing applications
- Internet of Things applications
- Cloud and fog computing collaboration
- Security and privacy in fog computing
- Data storage and processing in fog computing
- Micro data center management for fog computing
- Big data analytics in fog computing
- Resource management and orchestration in fog computing
- Energy efficiency of fog computing infrastructure

SUBMISSION GUIDELINES:

Manuscripts should be submitted online through the Elsevier Editorial System (EES) at the following link:

<http://ees.elsevier.com/simpat>

Authors must select

Special Issue: Fog Computing

when they reach the "Article Type" step in the on-line submission process.

Submitted manuscripts should present original contributions and must not have been previously published nor be currently under consideration for publication elsewhere. All papers will be peer reviewed according to the high standards of the Simulation Modelling Practice and Theory Elsevier journal.

Please feel free to contact the Guest Editors for any questions.

IMPORTANT DATES:

Manuscript submission deadline:	May 15, 2019
Manuscript reviews to authors:	July 31, 2019
Manuscript revision due:	September 30, 2019
Final notification of acceptance:	November 30, 2019
Expected publication of the special issue:	February 2020

SPECIAL ISSUE EDITORS:

Dr. Eleni KARATZA (Email: karatza@csd.auth.gr)

Dr. Georgios STAVRINIDES (Email: gstavrin@csd.auth.gr)

Department of Informatics
Aristotle University of Thessaloniki
54124 Thessaloniki, Greece

Dr. Georgios L. Stavriniades
<http://users.auth.gr/gstavrin>

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TCCC Announce: For announcements concerning computer networking and communications.
tccc-announce@comsoc.org
<https://comsoc-listserv.ieee.org/>



From: Kellerer, Wolfgang <wolfgang.kellerer@TUM.DE>
Sent: March 11, 2019 3:39 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] IEEE TNSM Special Issue on Softwarized Networks 2019 - Submission: April 1, 2019

Dear All,

please consider submitting to the special issue of IEEE Transactions on Network and Service Management (TNSM) on "Latest Developments for the Management of Softwarized Networks".

More details are available on: <https://www.comsoc.org/publications/journals/ieee-tnsm/cfp> and also described below.

Submission deadline is April, 1st, 2019.

We look forward to your submissions!

Best regards,

Wolfgang Kellerer, Technical University of Munich, Germany Prosper Chemouil, Orange Labs (retired), France Liam Fallon, Ericsson, Ireland Noriaki Kamiyama, Fukuoka University, Japan Rafael Pasquini, Federal University of Uberlandia, Brazil Giovanni Schembra, University of Catania, Italy Stefan Schmid, University of Vienna, Austria Mohamed Faten Zhani, ÉTS, Canada

- Guest Editors of the IEEE TNSM Special Issue on Latest Developments for the Management of Softwarized Networks

IEEE Transactions on Network and Service Management

Special Issue on

"Latest Developments for the Management of Softwarized Networks"

The softwarization of networks is enabled by the SDN (Software Defined Networking), NV (Network Virtualization), and NFV (Network Function Virtualization) paradigms, and offers many advantages for network operators, service providers and datacenter providers. Given the strong interest in both industry and academia in the softwarization of telecommunication networks and cloud computing infrastructures, this special issue aims at the timely publication of recent innovative research results on this important topic.

In four earlier special issues on this topic in IEEE Transactions on Network and Service Management, published in March/June 2015, September 2016, December 2017 and December 2018, respectively, a total of 75 papers were published. In 2018, the main contributions reported upon in the special issue were: novel techniques for management of SDN-based networks addressing resilience, security, load balancing, configuration and monitoring, VNF management for orchestration and resource allocation, advanced softwarized switching and routing incl. virtual network routing and traffic estimation, management of softwarized wireless networks and of data center networks.

There are many more interesting challenges currently being addressed by the research community, which aim at efficient management of softwarized networks and the ability to use the technologies and their enabling paradigms in

any combination to their full potential, including network automation, monitoring and managing increased network and service dynamics, slicing and function chaining, mobility and robustness as well as programmable platforms for wired and wireless networks.

We welcome submissions addressing the important challenges (see the non-exhaustive list of topics below) and presenting novel research or experimentation results. Survey papers that offer an original perspective on related work and identify key challenges for future research will be considered as well. We look forward to your submissions!

Topics of interest for this special issue, include, but are not limited to the following:

- * Design of architectural building blocks for managing virtualized software-defined systems
- * Management of SDIs (Software-Defined Infrastructures)
- * APIs and management protocols for software programmable networks
- * Network and service automation for softwarized infrastructures
- * Virtualization of resources, services and functions in SDN and NFV
- * Management of software-defined datacenters
- * Efficient management of cloud computing infrastructures
- * Resource management for SDN- or NFV-based systems
- * Network slicing and slice management for softwarized infrastructures
- * SDN control plane optimizations
- * Network softwarization for 5G
- * Softwarized cloud, fog and edge infrastructures
- * Network management at the edge for the Tactile Internet
- * Mobility support in softwarized infrastructures
- * Life cycle management of virtual network functions
- * Service Function Chains (SFCs) modeling and representation
- * Composition algorithms and automated deployment for SFC
- * Algorithms for efficient orchestration
- * Dynamic migration of network functions in NFV-based systems
- * Efficient network and service monitoring for SDN or NFV
- * Automated configuration and repair of virtualized software-defined systems
- * Algorithms for diagnosis and correlation of events in SDN- or NFV-based systems
- * Availability, reliability, robustness and resilience of virtualized software-defined systems
- * Supporting adaptation and flexibility in softwarized networks
- * Dynamic resource scaling based on user mobility in SDN- and NFV-based systems
- * Policy based and intent based management in SDN or NFV systems
- * QoS/QoE management and control in softwarized networks
- * Debugging and introspection of software-defined virtualized systems
- * Management of federated SDN/NFV infrastructures
- * SDN and P4 switch/router architecture and design
- * Detailed experience reports from experimental testbeds
- * Transition strategies from existing networks to SDN/NFV

Submission format

Papers will be evaluated based on their originality, presentation, relevance and contribution to the field of management of software-defined virtualized systems, as well as their overall quality and suitability for the special issue. The submitted papers must be written in a good English and describe original research which has not been published nor currently under review by other journals or conferences. Previously published conference papers should be clearly

identified and referenced by the authors at the initial submission stage and an explanation should be provided of how such papers have been extended in order to be considered for this special issue.

Author guidelines for preparation of manuscripts can be found at:

<http://www.comsoc.org/tnsm/author-guidelines>

For more information, please contact Wolfgang Kellerer (wolfgang.kellerer@tum.de).

Submission guideline

All manuscripts and any supplementary material should be submitted through the IEEE ManuscriptCentral service located at: <http://mc.manuscriptcentral.com/tnsm>

Authors must indicate in the submission cover letter that their manuscript is intended for the "Latest Developments for the Management of Softwarized Networks" special issue.

Guest editors

Wolfgang Kellerer, Technical University of Munich, Germany Prosper Chemouil, Orange Labs (retired), France Liam Fallon, Ericsson, Ireland Noriaki Kamiyama, Fukuoka University, Japan Rafael Pasquini, Federal University of Uberlandia, Brazil Giovanni Schembra, University of Catania, Italy Stefan Schmid, University of Vienna, Austria Mohamed Faten Zhani, ÉTS, Canada

Important dates

Paper submission date: April 1st, 2019

Notification of acceptance: June 15th, 2019 Publication date*: December 1st, 2019

(* online published version will be available in IEEE Xplore after the camera ready version has been submitted with final DOI)

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>

TCCC Announce: For announcements concerning computer networking and communications.

tccc-announce@comsoc.org

<https://comsoc-listserv.ieee.org/>



From: Stanley Ewenike <stanley.ewenike92@GMAIL.COM>
Sent: March 11, 2019 1:49 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] The Fifth IEEE International Workshop on Internet of Things: Networking Applications and Technologies (IoTNAT 2019), Rome, Italy. June 10-13, 2019

[Apologies if you got multiple copies of this invitation]

The Fifth IEEE International Workshop on Internet of Things: Networking Applications and Technologies (IoTNAT 2019)
<<http://emergingtechnet.org/IOTNAT2019/index.php>>

in conjunction with

The 4th International Conference on Fog and Mobile Edge Computing (FMEC 2019) <<http://emergingtechnet.org/FMEC2019/index.php>>

Rome, Italy. June 10-13, 2019

(Technically Co-Sponsored by IEEE Italy Section)

IoTNAT 2019 CFP

The Internet of Things (IoT) technology offers unprecedented opportunities to interconnect human beings as well as Machine-to-Machine (M2M), whereby sensors and networks allow all 'things' to communicate directly with each other to share vital information allowing us to have an instrumented universe where accurate data is readily available to inform optimal decision making. The IoT is about to enable a range of new capabilities and services far beyond today's offerings. It will fundamentally change how people go about their lives. According to Gartner, the number of objects connected to the Internet is set to reach 20 billion by 2020. Cisco estimates the number will be close to 26 billion objects by 2020. Others believe the actual number will be even higher with the assumption that any object with a simple micro controller and on-off switch will be connected to the Internet in the near future. The scale of the IoT is set to have a major economic, social and environmental impacts; the intersection of which forms the future sustainable growth. The IEEE International Workshop on Internet of Things: Networking Applications and Technologies (IoTNAT 2019) Symposium will be held in conjunction with The Second International Conference on Fog and Mobile Edge Computing (FMEC 2019). The IoTNAT 2019 Symposium aims at soliciting original ideas on the broad area of IoT including challenges and opportunities, concepts and applications and future trends. The Symposium aims to facilitate discussions among academics and IoT practitioners and make positive contributions to the field. Authors are invited to submit original, unpublished manuscripts. Submitted papers should be in accordance with IEEE format, and will be reviewed by at least two expert reviewers in terms of relevance, originality, contribution, correctness, and presentation.

The topics of interest include but are not limited to:

- Emerging concepts of IoT
- Design methodologies for IoT
- Novel services and applications of IoT to facilitate

environmental responsibility

- Green by Internet of Things
- IoT and Social benefits/impact
- IoT Economics
- Emerging Internet of Things business models and process changes
- Communication systems and network architectures for the IoT
- IoT and Data Management
- Security and privacy of IoT
- Reliability of IoT
- Disaster recovery in IoT
- Applications of Internet of things
- Emerging applications and interaction paradigms for everyday citizens
- Big data and IoT
- Self-organizing IoT
- Cloud Computing and IoT
- IoT and sustainable Growth

Keynote Speakers:

- Omer Rana, Cardiff University, UK
- Gennaro Boggia, Politecnico di Bari, Italy
- Vincenzo Piuri, University of Milan, Italy

Submission

Papers selected for presentation will appear in the IoT NAT and FMEC Proceedings, which will be submitted to IEEE Xplore for inclusion. Papers must be 6 pages max in IEEE format, 10pt font using the IEEE 8.5" x 11" two-column format, single space, A4 format. All papers should be in PDF format, and submitted electronically at Paper Submission Link. A full paper must not exceed the stated length (including all figures, tables and references).

Submitted papers must present original unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines may be rejected without review. Also submissions received after the due date, exceeding length limit, or not appropriately structured may also not be considered. Authors may contact the Program Chair for further information or clarification.

Important Dates:

***Submission Date: March 17th, 2019* (Firm and Final Extended) Notification to Authors: April 5th, 2019 Camera Ready Submission: April 20th, 2019**

Please send any inquiry on IoTNAT 2019 to the Emerging Tech. Network Team
at: emergingtechnetwork@gmail.com

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>
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From: Syed Ali Hassan <0000003c60556067-dmarc-request@COMSOC-LISTSERV.IEEE.ORG>
Sent: March 11, 2019 1:43 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Book Chapters, "Wireless-powered Backscatter Communications for Internet of Things" in upcoming Springer Book

Dear All,

Herewith, we kindly draw your attention to our upcoming book on “*Wireless-powered Backscatter Communications for Internet of Things*^{*}”. All the chapters of this book will be published by “Springer” and also indexed in “Springer Digital Library”.

Please note that there are “NO publication charges” for this book.

We solicit book chapters from you in the area of “Wireless-powered Backscatter Communications”. Each chapter is expected to be self-contained and cover an in-depth analysis of wireless-powered backscatter communications required for Internet of Things. We welcome book chapter contributions on the following (but are not limited to)

1. Applications, Requirements and Need of Wireless-powered Backscatter Communications for IoT.
2. Large-scale Wireless-powered Backscatter Networks with Non-linear Energy Harvesting.
3. Reliability-energy and Secrecy-energy Tradeoff in Wireless-powered Backscatter Communications.
4. Measurement-based Channel Models for Backscatter Communications.
5. Cooperative Communication Techniques for Wireless-powered Backscatter Communications.
6. Application of Deep (Machine) Learning for Wireless-powered Backscatter Communications.
7. NOMA and Wireless-powered Backscatter Communications for IoT.
8. Approaches for Localization and Activity Sensing in Wireless-powered Backscatter Communications.

****Important Dates: (Tentative schedule)****

Page write-up (abstract with title and TOC): 17 Mar 2019

Preliminary acceptance/rejection notification: 31 Mar 2019

Full Chapter Submission: 30 Jun 2019

Editors to review chapters: 1 Sept 2019

Corrections and final chapter submission: 15 Oct 2019

Send full manuscript (all files and copyright permissions): 1 Nov 2019

Check manuscript and collect missing files and information: Nov-Dec 2019

Publication (Approx. 5-6 months after manuscript delivery): Apr 2020

****Submission Procedure:****

Please send your one-page write up (with abstract of 300- 500 words and 6 keywords) of your chapter along with tentative Table of Contents to any of the Editors: Furqan Jameel (furqanjameel01@gmail.com), Syed Ali Hassan (ali.hassan@seecs.edu.pk) with the subject "Wireless-powered Backscatter Communications for Internet of Things". Upon acceptance of the proposal, further instructions for submission guidelines according to the Springer will be communicated.

If you are not working in this area, please circulate the CALL FOR BOOK CHAPTERS to your friends/ colleagues.

Feel free to contact any of us for any queries. Looking forward to receiving your contributions before 17th March 2019.

Kind Regards,

Editors,

Furqan Jameel (furqanjameel01@gmail.com)

Syed Ali Hassan (ali.hassan@seecs.edu.pk)

--

Syed Ali Hassan, Ph.D.

Director, Information Processing and Transmissions Lab, Associate Professor, School of Electrical Engineering and Computer Science National University of Sciences and Technology (NUST) Islamabad, 44000.

Phone: +92 51 9085 2125

Lab URL: <http://ipt.seecs.nust.edu.pk>

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From: Aneta Poniszewska-Marańda <aneta.poniszewska-maranda@P.LODZ.PL>
Sent: March 10, 2019 7:22 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] The 9th International Conference on Sustainable Energy Information Technology (SEIT-19)

Call for Papers

The 9th International Conference on Sustainable Energy Information Technology (SEIT-19) <http://cs-conferences.acadiau.ca/seit-19/>

IMPORTANT DATES

- Workshops Proposals Due: February 15, 2019
- Paper Submission Due: March 28, 2019
- Acceptance Notification: May 25, 2019
- Camera-Ready Submission: June 25, 2019

About

SEIT 2019 accepted papers will be published by Elsevier Science in the open-access Procedia Computer Science series on-line. Procedia Computer Science is hosted by Elsevier on [www.Elsevier.com](http://www.elsevier.com/) and on Elsevier content platform ScienceDirect (www.sciencedirect.com), and will be freely available worldwide. All papers in Procedia will be indexed by Scopus (www.scopus.com) and by Thomson Reuters' Conference Proceeding Citation Index (<http://thomsonreuters.com/conference-proceedings-citation-index/>). All papers in Procedia will also be indexed by Scopus (www.scopus.com) and Engineering Village (Ei) (www.engineeringvillage.com). This includes Ei Compendex (www.ei.org/compendex). Moreover, all accepted papers will be indexed in DBLP (<http://dblp.uni-trier.de/>). The papers will contain linked references, XML versions and citable DOI numbers. You will be able to provide a hyperlink to all delegates and direct your conference website visitors to your proceedings. Selected papers will be invited for publication in journals special issues.

SEIT 2019 will be held in Halifax Nova Scotia, Canada. Halifax is located on the east coast of Canada and is approximately a 6-hour flight from London, UK and a 2-hour flight from Toronto, Ontario. Halifax is a vibrant and modern city which is home to multiple academic institutions and where visitors can enjoy a variety of activities and entertainment from whale watching to Jazz festivals to world-class cuisine. Halifax is also home to the Maritime Museum of the Atlantic which contains the world largest collection of Titanic artifacts. Nova Scotia is a picturesque province with many National and Provincial parks, and as stated in the Guinness Book of World Records, has the highest tides in the world.

Conference Main Tracks

- Advanced Techniques for Energy Applications
- Energy Efficiency
- Energy Policy
- Environmental
- Green Sustainability
- Power Quality, Power Electronics and Electric Machines
- Power Systems
- Renewable Energies
- Sensing & Monitoring
- Smart Systems

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Technical Program Committee

<http://cs-conferences.acadiau.ca/seit-19/#programCommittees>

Politechnika Łódzka

Lodz University of Technology

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From: Josip Lorincz <jlerinc@FESB.HR>
Sent: March 10, 2019 7:14 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Extended deadline: Special Issue on "Green, Energy-efficient and Sustainable Networks" - Sensors journal

CALL FOR PAPERS:
(Our apologies if you receive multiple copies of this Call for Papers)

Special Issue: "Green, Energy-efficient and Sustainable Networks"
Submission deadline: 15 June 2019
Special Issue web link:
http://www.mdpi.com/journal/sensors/special_issues/green_energy_efficient_sustainable_networks

SENSORS JOURNAL

ISSN: 1424-8220

Special Issue Editors: Dr. Josip Lorincz, Prof. Dr. Antonio Capone, Dr. Luca Chiaraviglio, Dr. Jinsong Wu Impact Factor: 2.475 (2017); 5-Year Impact Factor: 3.014 (2017)

Aims and Scope:

=====

The topic of "energy-efficient networking and computing" is attracting growing attention for economic, energetic, and environmental reasons. According to a number of studies, Information and Communication Technologies (ICT) alone is responsible for up to 10% of world power consumption, due to the ever-increasing diffusion of electronic devices. Communication networks, including the Internet and wireless networks, represent a non-negligible part of the energy consumption of ICT. In addition, the carbon footprint of ICT devices due to energy consumption and the activities related to their entire lifecycle contributes to global warming. Hence, such rapid increase of power consumed by ICT, as well as the energy bills of service providers indicate necessity for improving energy-efficiency of ICT sector. This special issue aims to serve as a platform for researchers and visionaries from academia, research labs, and industry from all over the world in presenting novelties related to energy-efficiency improvement of networking and computing systems. Sharing ideas, views, results, and experiences in the field of green wired and wireless networking is what this special issue on green, energy-efficient and sustainable Internet is intended to be about. Anything from theoretical and experimental achievements to innovative design and management approaches, prototyping efforts, and case studies is in the focus of this special issue which aims to open new research ways toward more energy efficient networking and computing.

Topics of interest include, but are not limited to the following:

- * Power consumption models of networking infrastructure
- * Power measurements and data from empirical studies of communication networks
- * Techniques for reducing power consumption in data centers
- * Hardware and architectural support for reducing power consumption
- * Energy efficient network management
- * Energy-efficient Internet of Things (IoT) and Internet of Everything (IoE)
- * Green network design and energy-efficient smart grids
- * Applications of green networking technologies and principles
- * Cross-layer optimizations for reducing energy consumption
- * Optimization of energy consumption in optical networks

- * Energy-efficient protocols and protocol extensions
- * Energy-efficient transmission technologies
- * Energy-efficient peer-to-peer networking and overlays
- * Energy-efficient cloud computing and network function virtualization
- * Green wireless access networks
- * Energy-efficient fog computing
- * Green satellite communications
- * Green wired access networks
- * Green future Internet and software-defined networking
- * Big data meet green challenges
- * Energy cost models for network operators
- * Energy-efficient sensor networks
- * Renewable energy sources for communication networks
- * Antenna design and transmission technologies for reducing energy consumption
- * Green communication technologies for smart cities
- * Energy-efficient vehicle communications
- * Energy-efficient automation and industrial communications
- * Energy-efficient critical communications
- * Energy-efficient solutions for 5G and beyond
- * Green mobile applications
- * Green cognitive networks
- * Low power wireless networks
- * Energy harvesting solutions and prototypes
- * Energy-efficient UAV-based networks
- * Field Trials of Sustainable Networking and Computing
- * Energy-efficient public health solutions based on 5G networks

Manuscript Submission Information

Manuscripts should be submitted online at www.mdpi.com by registering and logging in to this website: <http://www.mdpi.com/user/register/> and logging in to this website: <http://www.mdpi.com/user/login/>: <https://susy.mdpi.com/>

Once you are registered, go to the submission form <http://www.mdpi.com/user/manuscripts/upload/?journal=sensors> and select Section: Internet of Things, Special issue: Green, Energy-efficient and Sustainable Networks.

Manuscripts can be submitted until the deadline. All papers will be peer-reviewed. Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as short communications are invited.

Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly refereed through a single-blind peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the Instructions for Authors <http://www.mdpi.com/journal/sensors/instructions> page:

<http://www.mdpi.com/journal/sensors/instructions>

Sensors <http://www.mdpi.com/journal/sensors/> is an international peer-reviewed open access monthly journal published by MDPI. The Article Processing Charge (APC) <http://www.mdpi.com/about/apc/> for publication in this

open access<<http://www.mdpi.com/about/openaccess/>> journal is 1800 CHF (Swiss Francs). Submitted papers should be well formatted and use good English. Authors may use MDPI's English editing service<<http://www.mdpi.com/authors/english>> prior to publication or during author revisions.

Sensors journal— Indexing & Abstracting: <http://www.mdpi.com/journal/sensors/indexing>

Guest Editors

Dr. Josip Lorincz, FESB, University of Split, Croatia

E-mail: josip.lorincz@fesb.hr

Prof. Dr. Antonio Capone, Politecnico di Milano, Italy

E-mail: capone@elet.polimi.it

Dr. Luca Chiaraviglio, University of Rome Tor Vergata, Italy

E-mail: chiaraviglio@uniroma2.it

Prof. Dr. Jinsong Wu, Universidad de Chile, Chile

E-mail: wujs@ieee.org

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>

TCCC Announce: For announcements concerning computer networking and communications.

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From: Aneta Poniszewska-Marańda <aneta.poniszewska-maranda@P.LODZ.PL>
Sent: March 10, 2019 7:06 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] KKIO 21st Software Engineering Conference September, 11-13, 2019, Bialystok, Poland

===== Call for Papers =====

KKIO 21 st Software Engineering Conference

September, 11-13, 2019, Bialystok, Poland

Motto : Integrating Research and Practice in Software Engineering

KKIO'19 web site: [<http://kkio.pti.org.pl/2019/> | <http://kkio.pti.org.pl/2019/>]

KKIO is a prime software engineering conference organized annually by Polish Information Processing Society. The language of the conference is English.

The aim of KKIO 2018 is to stimulate research, promote cooperation between science and industry, and facilitate a dialogue with governmental bodies. In particular, KKIO'19 will provide a forum for the presentation of research results, scientific challenges faced by the industry, scientific achievements that could address these problems. It will be also a platform to make contacts, initiate cooperation between researchers and engineers.

This year KKIO coincides with 30 th anniversary of the Faculty of Computer Science, Bialystok University of Technology who also hosts KKIO. Bialystok is a quickly growing IT hub, surrounded by unspoiled nature, rivers, forests, with biggest population of European bisons living at large in wilderness.

We invite papers covering a wide range of software engineering topics including software methods & tools, innovative applications in emerging domains, technology transfer success stories and failures, education, and other topics listed on the conference web site.

Submission deadline : Abstract by 24 March 2019; Papers by 31 March 2019

Submission site : EasyChair [<https://easychair.org/conferences/?conf=kkio2019> | <https://easychair.org/conferences/?conf=kkio2019>]

You will find all the submission details on the KKIO'19 web site (For Authors -> Submissions)

We invite researchers, PhD students, engineers and business representatives to submit papers concerning research, research & development, case-studies, education in software engineering, and application of software systems in industry. In addition, we invite proposals for special sessions, workshops, discussion panels and tutorials. Papers and proposals should be written in English.

Accepted papers will be published in a dedicated monograph of the prestigious series Studies in Computational Intelligence (Springer):

Integrating Research and Practice in Software Engineering

The books of this series are submitted by Springer to WoS, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink.

Authors of the best papers will be invited to submit revised and extended versions of their submissions to high profile journals.

The authors of all high-quality papers that will not be accepted for dedicated volume of Studies in Computational Intelligence will be invited to prepare the extended version of the papers that will be published in Special Issue of Lecture Notes on Data Engineering and Communications Technologies (LNDECT), Springer (<https://www.springer.com/series/15362>). The books of this series are submitted to ISI Proceedings, MetaPress, Springerlink and DBLP.

Proceedings for the KKIO'16 and KKIO'17 are now indexed by Web of Science and Scopus.

Call for Special Sessions

The organizers of the conference are seeking Special Sessions / Workshop Proposals on topics complementary to those of the main conference and Panel, Training / Business Workshops, and Tutorial Proposals.

The responsibility of the Special Session / Workshop Chair(s) would be to prepare a specific Call for Papers, organize the sessions program committee (reviewers) and advertise the event. The special session should include at least three papers (if more papers are submitted it could have a form of an independent workshop). The papers are accepted based on two reviews provided by the Special Session PC members and one by a member of the KKIO Program Committee.

Please, submit a proposal using the web form: [<https://tinyurl.com/kkio-sessions-tutorials> | <https://tinyurl.com/kkio-sessions-tutorials>], preferably before 15.02.2019 for special sessions and 15.05.2019 for tutorials.

Important dates:

Papers:

Abstract submission (strongly recommended): 24.03.2019 Paper submission: 31.03.2019 Notification of acceptance: 10.05.2019 Camera-ready papers submission: 26.05.2019

Special Sessions/Workshops

Proposal submission: 15.02.2019
Notification of acceptance: 20.02.2019

Panels, Training Workshops, Tutorial Proposals

Submission: 15.05.2019
Notification of acceptance: 30.05.2019

Registration & payment

Early registration: 25.06.2019
Late registration: 20.08.2019

Program Committee Co-Chairs:

Stanislaw Jarzabek, Bialystok University of Technology, Poland

Aneta Poniszewska-Maranda, Lodz University of Technology, Poland

Special Sessions, Panels, Training Workshops, Tutorials Chair :

Miroslaw Ochodek, Poznan University of Technology, Poland

Contacts:

Conference program: [<mailto:kkio2019@easychair.org> | kkio2019@easychair.org]

Special Sessions, Panels, Workshops, Tutorials: Miroslaw Ochodek, miroslaw.ochodek@cs.put.poznan.pl

Conference organization: [<mailto:wi.kkio2019@pb.edu.pl> | wi.kkio2019@pb.edu.pl]

Politechnika Łódzka

Lodz University of Technology

Treść tej wiadomości zawiera informacje przeznaczone tylko dla adresata.

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Sent: March 10, 2019 11:53 AM
To: cfp@ibr.cs.tu-bs.de
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] [CFP] MSWiM 2019 - Miami Beach

Anfang der weitergeleiteten Nachricht:

Von: "Rodolfo W. L. Coutinho" <rwlc@DCC.UFMG.BR>
Datum: 9. März 2019 um 16:59:27 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] [CFP] MSWiM 2019 - Miami Beach
Antwort an: "Rodolfo W. L. Coutinho" <rwlc@DCC.UFMG.BR>

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CALL FOR PAPERS

22st ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM' 19)

November 25th - November 29th, 2019

<http://mswimconf.com/2019> <<http://http://symposium.nsercdiva.com/2017/>>/

Paper Submission deadline: May 20th, 2019

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* ACM Pending.

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Scope and Objectives

ACM* MSWiM 2019 is the 22st Annual International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems. MSWiM is an international forum dedicated to in-depth discussion of Wireless and Mobile systems, networks, algorithms and applications, with an emphasis on rigorous performance evaluation. MSWiM is a highly selective conference with a long track record of publishing innovative ideas and breakthroughs. MSWiM 2019 will be held in Miami, USA.

Authors are encouraged to submit full papers presenting new research related to the theory or practice of all aspects of modeling, analysis and simulation of mobile and wireless systems. Submitted papers must not have been published elsewhere nor currently be under review by another conference or journal.

Topics of Interest

Papers related to wireless and mobile network modeling, analysis, design, and simulation are solicited on, but not limited to, the following topics in mobile and wireless systems:

- * Performance evaluation and modeling
- * Analytical Models
- * Simulation languages and tools for wireless systems
- * Wireless measurements tools and experiences
- * Formal methods for analysis of wireless systems
- * Correctness, survivability and reliability evaluation
- * Mobility modeling and management
- * Models and protocols for cognitive radio networks
- * Models and protocols for autonomic, or self-* networks
- * Capacity, coverage and connectivity modeling and analysis
- * Wireless network algorithms and protocols
- * Software Defined Network
- * Services for Smart City
- * Wireless PANs, LANs
- * Ad hoc and MESH networks
- * Vehicular Ad-hoc Networks (VANET)
- * Sensor and actuator networks
- * Delay Tolerant Networks
- * Integration of wired and wireless systems
- * Pervasive computing and emerging models
- * Wireless multimedia systems
- * QoS provisioning in wireless and mobile networks
- * Security and privacy of mobile/wireless systems
- * Algorithms and protocols for energy efficient operation and power control
- * Mobile applications, system software and algorithms
- * RF channel modeling and analysis
- * Design methodologies
- * Tools, prototypes and testbeds
- * Parallel and distributed simulation of wireless systems
- * Wireless Communication and Mobile Networking
- * Operating systems for mobile computations
- * Programming language support for mobility
- * Resource management techniques
- * Management of mobile object systems

Paper Submission and Publication

High-quality original papers are solicited. Papers must be unpublished and must not be submitted for publication elsewhere. All papers will be reviewed by Technical Program Committee members and other experts active in the field to ensure high quality and relevance to the conference. Short papers will be included in the technical program to complement mature results and foster discussion and exchange of novel ideas at an early stage. More detailed instructions for paper submission will be provided soon. Accepted papers will appear in the conference proceedings to be published by ACM Press.

Paper Submission: <https://edas.info/newPaper.php?c=25798>
<<https://edas.info/newPaper.php?c=25798>>

Paper Registration Deadline: May 15th, 2019

Paper Submission Deadline: May 20th, 2019

Notification of Acceptance: June 30th, 2019

Camera Ready version due: TBA

Conference Dates: November 25th - November 29th, 2019

General Chair:

- Antonio A.F. Loureiro, Federal University of Minas Gerais, Brazil

Program Co-Chairs:

- Salil Kanhere, University of New South Wales, Australia

- Paolo Bellavista, University of Bologna, Italy

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Sent: March 10, 2019 11:52 AM
To: cfp@ibr.cs.tu-bs.de
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] [CfP][SenSys 2019] The 17th ACMConference on Embedded Networked Sensor Systems

Anfang der weitergeleiteten Nachricht:

Von: Shijia Pan <shijiapan@CMU.EDU>
Datum: 9. März 2019 um 16:53:43 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] [CfP][SenSys 2019] The 17th ACM Conference on Embedded Networked Sensor Systems
Antwort an: Shijia Pan <shijiapan@CMU.EDU>

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Call for Papers: The ACM Conference on Embedded Networked Sensor Systems
(SenSys 2019)

**** ACM SenSys 2019 ****

New York, NY, USA

November 10-13, 2019

<http://sensys.acm.org/2019>

Dear Colleagues,

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2019) is the premier computer systems conference focused on the architecture, design, implementation, and performance of networked sensing systems, sensor-oriented data modeling and analytics, and sensor-enabled applications. ACM SenSys brings together academic, industry, and government professionals to a single-track, highly selective forum that takes a broad view on the areas of computing relevant to the future of networked embedded sensor systems. Topics of interests include, but are not limited to, the following:

- New platforms and hardware designs for networked sensor systems
- New communication paradigms for ubiquitous connectivity
- Low-power wireless media access control, network, and transport protocol designs
- Systems software, including operating systems, network stacks, and programming
- System services such as time and location estimation

- Low-power operation, energy harvesting, and energy management
- Resource-efficient machine learning for embedded and mobile platforms
- Mobile and pervasive systems with elements of networked sensing
- Data management and analytics, including quality, integrity, and trustworthiness
- Learning algorithms and models for perception, understanding, and adaptation
- Heterogeneous collaborative sensing, including human-robot sensor systems
- Security and privacy in networked sensor applications and systems
- Fault-tolerance, dependability, and verification
- Applications and deployment experiences

We invite technical papers describing original ideas, groundbreaking results, and real-world experiences involving innovative sensor systems. Successful submissions will explain why the topic is relevant to a vision of the future of sensing systems. Submissions will be judged on originality, significance, clarity, relevance, and correctness.

**** Important Dates ****

- Paper Registration and Abstract: April 5 (Friday), 2019, 23:59 AoE
- Paper Submission: April 12 (Friday), 2019, 23:59 AoE
- Notification of Paper Acceptance: July 23 (Tuesday), 2019, 23:59 AoE
- Camera-Ready: September 20 (Friday), 2019, 23:59 AoE

Note: These are hard deadlines. No extension will be granted.

**** Submission Guidelines ****

Submitted papers must be unpublished and must not be currently under review for any other publication. Submissions must be full papers, at most 12 single-spaced 8.5" x 11" pages with 9-pt font size in two-column format, including figures and tables. As for references, submissions may include as many pages as needed. All submissions must use the LaTeX (preferred) or Word styles found here <http://www.acm.org/publications/proceedings-template>. LaTeX submissions should use the acmart.cls template, with the default 9-pt font. Authors must make a good faith effort to anonymize their submissions. Papers that do not meet the size, formatting, and anonymization requirements will not be reviewed. We require each paper to be in Adobe Portable Document Format (PDF) and submitted through the conference submission system <https://sensys19.hotcrp.com/>. Accepted submissions will be available on the ACM digital library at least one week before the conference.

For detailed information about the program and submission guideline, please visit <http://sensys.acm.org/2019>

General Chairs: Raghu K. Ganti (IBM T.J. Watson, USA), Xiaofan (Fred) Jiang (Columbia University, USA)

Program Chairs: Gian Pietro Picco (University of Trento, Italy), Xia Zhou (Dartmouth College, USA)

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Sent: March 10, 2019 11:49 AM
To: cfp@ibr.cs.tu-bs.de
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] [CFP] Special Section on NetworkResource Management in Flying Ad Hoc Networks: Challenges,Potentials, Future Applications,and Wayforward -- IEEE Access (Impact Factor = 3.55)

Anfang der weitergeleiteten Nachricht:

Von: Mubashir Rehmani <mshrehmani@GMAIL.COM>
Datum: 10. März 2019 um 11:58:56 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] [CFP] Special Section on Network Resource Management in Flying Ad Hoc Networks: Challenges, Potentials, Future Applications, and Wayforward -- IEEE Access (Impact Factor = 3.55)
Antwort an: Mubashir Rehmani <mshrehmani@GMAIL.COM>

Dear All,

Please find below a call for papers for Special Section in IEEE Access Journal.

Link: <http://ieeeaccess.ieee.org/special-sections/network-resource-management-in-flying-ad-hoc-networks-challenges-potentials-future-applications-and-wayforward/>

Please accept our apologies if you receive multiple copies of this announcement.

Call for Paper

Submission Deadline: 01 April, 2019

IEEE Access invites manuscript submissions in the area of
Network Resource Management in Flying Ad Hoc Networks: Challenges, Potentials, Future Applications,
and Wayforward.

INTRODUCTION/OVERVIEW

With the rapid development in the fields of wireless ad hoc networks that do not rely on any pre-existing infrastructure, Flying Ad hoc networks (FANETs) have recently captured the attention of vendors and investors due to the flying nature of entities in the network. FANET is composed of nodes that fly at high altitude platforms such as balloons, unmanned aerial vehicles or drones, which have the ability to fly without a human pilot aboard. The network of nodes that fly at high altitude has gained commercial and industrial popularity because of its applications in surveillance, agriculture, photography, etc. For instance, the new applications that are being developed for FANET bring up the new challenges such as multipath propagation, severe shadowing, traffic load balancing, mobility,

congestion, high error rates, etc., that usually results in the performance degradation of the network. However, the applications developed and used in FANET may also result in collision with the commercial flights due to the above challenges.

The Federal Aviation Administration has been reported about the tremendous increase of more than 50% in the air traffic specifically the unmanned vehicles in 2017. However, such an increase in the UAVs results in an increase in the network traffic of FANET that may lead to an unbalanced traffic distribution, resulting in an increase in packet loss due to collision. Furthermore, the high data traffic generated by the number of nodes in FANET is one of the leading causes of accidents with the commercial flights. In order to cope with such kind of challenges, the network traffic of FANET must be distributed in such a way that it should neither disturb the commercial flights nor the communication among the nodes that fly at high altitudes in a network.

This Special Issue therefore solicits original research work, novel protocols, methodologies and survey papers addressing the future challenges and solutions that embark on network resource management in FANETs. The topics of Special Issue include, but are not limited to:

- Efficient deployment of unmanned aerial vehicles (UAVs) at high altitude platforms (HAPs) for congestion avoidance and control
- Dynamic traffic load balancing for congestion avoidance through routing in Flying Ad hoc Networks
- Performance investigation of 5G systems with flying ad hoc networks (FANETs)
- An optimal data collection and dissemination technique for balanced traffic utilization in FANETs
- Distributed congestion-aware position oriented MAC/Routing protocols for FANETs
- Performance evaluation of layered protocols of TCP/IP for multimedia traffic in flying ad hoc networks (FANETs) at different altitude platforms
- Analysis of Reactive, proactive, and hybrid routing protocols for flying Ad Hoc networks
- Opportunistic routing for distributed video traffic dissemination over flying ad hoc networks
- A cross layer design for distributed information dissemination over flying ad hoc networks
- Agricultural environment monitoring system based on UAV in FANETs
- Congestion avoidance, detection, and mitigation in Flying Ad-Hoc Network for efficient utilization of network resources
- Distributed clustering approach for FANETs
- Enhanced connectivity for robust multimedia transmission in UAV networks
- Active Queue Management for resource sharing in Flying Ad hoc Networks
- Bio-inspired routing protocols for FANET routing
- Multi-hop and relay-based communications for distributed traffic load balancing
- Smart solutions to reduce congestion in FANETs
- Interaction of FANET with IoT
- Distributed Emergency Message Dissemination in FANET

Associate Editor: Omer Chughtai, COMSATS University Islamabad, Wah Campus, Wah Cantt, Pakistan.

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Soumaya Cherkaoui, Université de Sherbrooke, Canada.
Shiwen Mao, Auburn University, USA.
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IEEE Access Editor-in-Chief: Michael Pecht, Professor and Director, CALCE, University of Maryland

Paper submission: Contact Associate Editor and submit manuscript to:

<http://mc.manuscriptcentral.com/ieee-access>

For information regarding IEEE Access including its publication policy and fees, please visit the website

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For inquiries regarding this Special Section, please contact the Associate Editor:

umar.chughtai@gmail.com.

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Mubashir Husain Rehmani, Ph.D., Senior Member IEEE
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Cork Institute of Technology (CIT), Ireland
Area Editor, IEEE Communications Surveys and Tutorials
Associate Editor, IEEE Communications Magazine
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Sent: March 10, 2019 11:47 AM
To: cfp@ibr.cs.tu-bs.de
Subject: [cfp] Fwd: [TCCC-ANNOUNCE] CFP: FMEC 2019 PhD Forum and Posterstrack (*Final Deadline*: Mar 15, 2019), Rome, Italy

Anfang der weitergeleiteten Nachricht:

Von: Marco Guazzone <marco.guazzone@DI.UNIPMN.IT>
Datum: 10. März 2019 um 16:15:13 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] CFP: FMEC 2019 PhD Forum and Posters track (*Final Deadline*: Mar 15, 2019), Rome, Italy
Antwort an: Marco Guazzone <marco.guazzone@DI.UNIPMN.IT>

4th IEEE International Conference on Fog and Mobile Edge Computing (FMEC 2019)

Rome, Italy. June 10-13, 2019

(Technically Co-Sponsored by IEEE Italy Section)

#####

PHD FORUM AND POSTERS Track

URL: <http://emergingtechnet.org/FMEC2019/PhD-Posters.php>

IMPORTANT DATES

- * Submission Date: 15 March 2019 (*Firm and Final Extension*)
- * Notification to Authors: 10 April 2019
- * Camera Ready Submission: 20 April 2019

CALL FOR PHD FORUM

The PhD Forum provides a unique opportunity for PhD students to present their research work and to receive constructive feedback from their peers as well as experts in the field (including academics and practitioners) at the conference. The forum will also be an excellent occasion for stimulating fruitful interactions and developing person-to-person networks to the benefit of the PhD students in their future careers. The goal of this forum is to create opportunities for students to meet with peers outside of their home institution, to get technical feedback as well as career advice from established researchers in their field, to find out about internship and job opportunities, and to articulate their own work in a public, friendly forum. The presenters at the forum are expected to be PhD students in any

phase of their doctoral studies. Topics of interest are the same as those listed in the main conference call for papers. We will try to offer remote video presentation options for authors who are unable to attend due to visa issues. A Best Student Paper Award will be assigned by an independent review committee according to the quality of research work and the quality of presentation.

CALL FOR POSTERS

The poster session provides an excellent opportunity to present early-stage or ongoing research, and to receive interesting and valuable feedback from conference attendees. We also strongly encourage student and industry submissions. Topics of interest are the same as those listed in the main conference call for papers. A Best Poster Award will be assigned by an independent review committee according to the quality of research work and the quality of poster presentation.

TOPICS OF INTERESTS

- * Mobile Cloud Computing Systems.
- * FMEC Security and Privacy Issues.
- * FMEC Pricing and billing models.
- * FMEC support for VANETS and MANETS
- * Cloudlet based computing
- * Lightweight authentication mechanisms in FMEC architecture.
- * Access Control models in FMEC.
- * Identification of incentives for FMEC service providers.
- * The future perspective for FMEC: Challenges and Open Issues.
- * FMEC Quality of Service (QoS) improvements techniques.
- * FMEC architecture features and evolution.
- * FMEC Real-time communication interfaces and protocols.
- * FMEC virtualization.
- * Data storage, processing, and management at FMEC platform.
- * Cyber hacking, next generation fire wall of FMEC.
- * Deployment strategies of FMEC Servers
- * Admission control for FMEC.
- * Social engineering, insider threats, advance spear phishing.
- * Incident Handling and Penetration Testing.
- * Forensics of Virtual and FMEC Environments.
- * Security protocols in FMEC.
- * Security and privacy of mobile cloud computing
- * Security, privacy and reliability issues of MCC and IoT
- * Security and privacy of IoT
- * Security and privacy management in MCC
- * MCC intrusion detection systems
- * Security of pricing and billing for mobile cloud computing services
- * Security of mobile, peer-to-peer and pervasive services in clouds
- * Security of mobile commerce and mobile Internet of Things
- * Security of mobile social networks
- * Security and privacy in smartphone devices
- * Security and privacy in social applications and networks
- * Security of Mobile, peer-to-peer and pervasive services in clouds
- * Security of Mobile commerce and mobile internet of things
- * Security of Operating system and middleware support for mobile computing

- * Security and privacy in sensor networks
- * Security and privacy in social applications and networks
- * Web service security
- * Security of 3G/4G systems, Wi-MAX, Ad-hoc
- * Security of Mobile social networks
- * Near field communication services
- * Service-oriented architectures, service portability, P2P
- * Network virtualization and cloud-based radio access networks

PUBLICATION

All accepted papers will appear in the conference proceedings and will be published by IEEE and included in the IEEE Xplore digital library.

PROGRAM CHAIRS

- * Attila Kertesz <keratt@inf.u-szeged.hu>
- * Marco Guazzone <marco.guazzone@di.unipmn.it>
- * Roberto Bruschi <roberto.bruschi@cni.it>

TECHNICAL PROGRAM COMMITTEE

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 Carlos Guerrero, University of Balearic Islands, Spain
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Marco Guazzone, PhD
 Computer Science Institute, DiSIT
 University of Piemonte Orientale
 address: Viale T. Michel 11, 15121 Alessandria, Italy
 phone: +39-0131-360484
 web: <http://people.unipmn.it/sguazt>

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Sent: March 10, 2019 6:59 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CFP] Special Section on Network Resource Management in Flying Ad Hoc Networks: Challenges, Potentials, Future Applications, and Wayforward -- IEEE Access (Impact Factor = 3.55)

Dear All,

Please find below a call for papers for Special Section in IEEE Access Journal.

Link: <http://ieeaccess.ieee.org/special-sections/network-resource-management-in-flying-ad-hoc-networks-challenges-potentials-future-applications-and-wayforward/>

Please accept our apologies if you receive multiple copies of this announcement.

Call for Paper

Submission Deadline: 01 April, 2019

IEEE Access invites manuscript submissions in the area of Network Resource Management in Flying Ad Hoc Networks: Challenges, Potentials, Future Applications, and Wayforward.

INTRODUCTION/OVERVIEW

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- Performance evaluation of layered protocols of TCP/IP for multimedia traffic in flying ad hoc networks (FANETs) at different altitude platforms
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- Multi-hop and relay-based communications for distributed traffic load balancing
- Smart solutions to reduce congestion in FANETs
- Interaction of FANET with IoT
- Distributed Emergency Message Dissemination in FANET

Associate Editor: Omer Chughtai, COMSATS University Islamabad, Wah Campus, Wah Cantt, Pakistan.

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IEEE Access Editor-in-Chief: Michael Pecht, Professor and Director, CALCE, University of Maryland

Paper submission: Contact Associate Editor and submit manuscript to: <http://mc.manuscriptcentral.com/ieee-access>

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For inquiries regarding this Special Section, please contact the Associate Editor: umar.chughtai@gmail.com.

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 Mubashir Husain Rehmani, Ph.D., Senior Member IEEE Assistant Lecturer, Department of Computer Science, Cork Institute of Technology (CIT), Ireland Area Editor, IEEE Communications Surveys and Tutorials Associate Editor, IEEE Communications Magazine Associate Editor, IEEE Access Associate Editor, Elsevier CAEE, FGCS & JNCA Journals Associate Editor, Springer Wireless Networks Associate Editor, AHSWN Journal and JCN Journal
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From: Mithun Mukherjee <mithun.mukherjee@OUTLOOK.COM>
Sent: March 10, 2019 5:28 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Call for papers, Tutorials, and Proposals] IEEE 5G World Forum 2019, 30 Sept-2 October 2019, Dresden, Germany

[Apologies if you receive multiple copies of this message]

IEEE 5G World Forum 2019 - Call for Papers, Tutorials, and Proposals

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IEEE 5G World Forum 2019 (5GWF)

<http://ieee-wf-5g.org/>

30 Sept-2 October 2019, International Congress Center Dresden - ICCD, Dresden, Germany

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On behalf of the Organizing Committee, we would like to invite you to submit your work to the IEEE 5G World Forum 2019 (<http://ieee-wf-5g.org/>) to be held on 30 Sept-2 October 2019, International Congress Center Dresden - ICCD, Dresden, Germany

5G systems should unveil a novel mobile network architecture that not only improves physical data rate, but also creates a new ecosystem allowing the deployment of novel services and applications. A key target is to build a novel network architecture that should support not only classical mobile broadband applications and services but also vertical industry (e.g. Intelligent Transport, Industrial IoTs, eHealth, etc.) and other services.

This conference aims to bring experts from industry, academia and research to exchange their vision as well as their achieved advances towards 5G, and encourage innovative cross-domain studies, research, early deployment and large-scale pilot showcases that address the challenges of 5G.

=== Technical Paper Submissions ===

Track 1: 5G Technologies: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93425>>

Track 2: 5G Application and Services: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93426>>

Track 3: 5G & IoT: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93427>>

Track 4: 5G Security and Privacy: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93428>>

Track 5: 5G Trials, Experimental Results and Deployment Scenarios: EDAS link

<<https://edas.info/newPaper.php?c=25426&track=93429>>

Track 6: 5G Hardwares and Test / Measurements: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93430>>

Track 7: 5G Special Verticals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93431>>

Track 8: 5G Special Topicals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93432>>

*** Submission Date for Technical Papers **

Technical paper submission: April 15, 2019 Proposals for sessions and events of general interest and relevance to 5G will be considered. These should address the Technical Community and/or provide educational or expository material or recognition of significant contributions to the advancement of 5G technologies.

Doctoral Symposium Proposals: EDAS link: <<https://edas.info/newPaper.php?c=25426&track=93420>>

Exhibitions: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93421>>

Hackathon: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93422>>

Industry Demonstrations: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93423>>

Industry Forum & Panel Sessions Proposals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93598>>
Special Session Proposals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93597>>
Start-ups: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93424>>
Topical Areas Proposals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93418>>
Tutorial Proposal Submissions: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93433>>
Vertical Areas Proposals: EDAS link <<https://edas.info/newPaper.php?c=25426&track=93419>>

Workshop papers:

WS1 - 5G Applications and Services: Current Trends, Key Drivers, Challenges and Standardization Imperatives: EDAS link<<https://edas.info/newPaper.php?c=25426&track=95316>>
WF2 - IoT in the 5G Era Workshop: EDAS link: <<https://edas.info/newPaper.php?c=25426&track=95313>>
WS3 - From Evolution to Revolution, a roadmap for beyond 5G: EDAS link <<https://edas.info/newPaper.php?c=25426&track=95315>>
WS4 - 5G Challenges for wireless communications for Railways: EDAS link <<https://edas.info/newPaper.php?c=25426&track=95314>>
WS5 - 2nd SECRET Workshop - Secure Network Coding for Reduced Energy Next Generation Mobile Small Cells: EDAS link <<https://edas.info/newPaper.php?c=25426&track=95853>>
WS6 - 2nd Workshop on 5G-Trials - From 5G Experiments to Business Validation: EDAS link <<https://edas.info/newPaper.php?c=25426&track=96378>>

*** Submission Date for Sessions **
Submission: April 15, 2019

General Conference

Manuscripts Due: April 15, 2019
Acceptance Notification: June 30, 2019
Camera-Ready Submission: July 31, 2019

Industry Forum Sessions proposal

Proposals due: April 15, 2019
Notification of selection: April 30, 2019

Tutorials proposal

Proposals due: April 15, 2019
Notification of selection: April 30, 2019

Workshop papers

Deadline for paper submission: May 15, 2019 Acceptance Notification: June 30, 2019 Camera-Ready Submission: July 31, 2019

For more information and submission instructions please visit the conference website: <http://ieee-wf-5g.org/>

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>
TCCC Announce: For announcements concerning computer networking and communications.
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<https://comsoc-listserv.ieee.org/>



From: Konstantinos Katzis <k.katzis@EUC.AC.CY>
Sent: March 10, 2019 1:16 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] IoT-Health 2019: Second International Workshop on IoT Enabling Technologies in Healthcare, Sept. 8, Istanbul, Turkey (PIMRC2019)

(Our sincere apologies if you receive multiple copies of this CFP)

IoT-Health 2019: Second International Workshop on IoT Enabling Technologies in Healthcare, Sept. 8, Istanbul, Turkey (PIMRC2019)

The Internet of Things (IoT) has numerous applications in healthcare, from smart wearable or implantable sensors to remote monitoring of elderly, medical device networking, and in general creating a healthcare network infrastructure. IoT has the potential to create a pervasive environment for monitoring patient health and safety as well as improving how physicians deliver care. It can also boost patient engagement and satisfaction by allowing them to spend more time in the comfort of their residence and interact with their care centers whenever needed. A significant driver for the IoT-Health market is the increasing penetration of connected devices in healthcare. Wearable sensors have received a remarkable growth in recent years; however, a pervasive IoT-Health infrastructure is still long way from commercialization. The end-to-end health data connectivity involves the development of many technologies that should enable reliable and location-agnostic communication between a patient and a healthcare provider.

IoT-Health workshop aims to focus on the design, development, performance evaluation and experimentation of IoT enabling technologies in healthcare applications.

Submission Deadline: April 15, 2019

Submission Link: <https://edas.info/newPaper.php?c=26022&track=96363>

Workshop Website: <https://iothealthworkshop.wordpress.com/>

Topics of Interest:

-Body Area Networks
-IoT for remote health monitoring
-Interference analysis & mitigation for IoT-health devices -Coexistence issues for IoT-Health devices -PHY, MAC and Networking issues for Health -Reliability and QoS in IoT-health -Energy efficiency for wearable and Implanted medical devices -Antennas for wearable & implantable sensors SAR Evaluation -Smart textile for IoT-health -Security and privacy in IoT-health -IoT-Health Standardization activities -IoT-Health for livestock and pets -Interoperable & connected medical devices -Smart Pills & precision drug delivery Wireless capsule endoscopy -Energy harvesting Technology for IoT health -Channel Modeling & RF Propagation Studies -Human Body Communication (HBC) -IoT-Health testbeds & experimental results -WAN technology for IoT-Health -Patient tracking & localization technology

Organizers: Kamran Sayrafian (National Institute of Standards & Technology, USA), Hamed Ahmadi (University of Essex, UK), Konstantinos Katzis (European University Cyprus, Cyprus), Slawomir J. Ambroziak (Gdansk University of Technology, Poland)

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<https://comsoc-listserv.ieee.org/>



From: Myungsoo Kim <siamshade1@NAVER.COM>
Sent: March 9, 2019 11:42 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] The Second International Workshop on Smart Manufacturing and Smart Mobility-SMSM2019

The Second International Workshop on Smart Manufacturing and Smart Mobility (SMSM 2019). Co-Located with the 16th International Conference on Mobile Systems and Pervasive Computing August 19-21, 2019, Halifax, Canada
<http://cs-conferences.acadiau.ca/mobispc-19/>
<https://sites.google.com/site/mobispc2019/>

Overview

Digital manufacturing and cyber-physical systems are considered key elements of the definition and implementation of Industry 4.0. Technological advancements in the ability to collect, transfer and analyze vast amounts of data very rapidly are at the core of this trend. Closely related, smart factory is a concept that aims at integrating these new technologies to rapidly adapt and respond to changes in the markets' demands for high-quality products. In practice, smart factories lie at the core of both, Industry 4.0 and smart manufacturing. The digitalisation is affecting production and is expected to enable efficient lot size one and customer tailored production and/or support the servitization of the business, while minimising environmental footprints and overall costs.

And, future "Smart Mobility" needs both technical and societal cooperation to master the reliability, the connectivity and complexity challenges on the one hand and the acceptance, safety, security and privacy challenges on the other, in front of the whole value chain from system-on-chip to the vehicle and vehicle context. The workshop gave room for a discussion platform on the latest and most critical issues as well as emerging technologies along the way to connected, cooperative and automated mobility. Renowned experts from the industry and academia discussed the state-of-the-art and also factually predicted what changes in mobility we can expect in the near and more distant future.

Topics

Topics of interest include, but are not limited to, the following scope:

- + Advanced Sensing, Process Control and Platforms for Manufacturing
- + Visualization, Informatics, & Digital Manufacturing Smart
- + Manufacturing Platform Smart factory test beds and best practices
- + Manufacturing intelligence and manufacturing informatics Augmented
- + reality and wearable computing for greater equipment or process
- + awareness Machine-to-machine communication standards for smart factory
- + Human machine interactions for smart factory 5G for smart mobility
- + Smart mobility Modeling and Simulation

Important dates

- + March 28, 2019: Deadline for paper submission May 25, 2019:
- + Notification of Acceptance.
- + June 25, 2019: Submission deadline for the final version of the Papers
- + August 19-21, 2019: SMSM 2019 Workshop (with MobiSPC 2019)

Submission

The submitted paper must be formatted according to the guidelines of Procedia Computer Science, MS Word Template, Latex, Template Generic, Elsevier. Submitted technical papers must be no longer than 8 pages including all figures, tables and references.

Authors are requested to submit their papers electronically using the online conference management system in PDF format before the deadline (see Important Dates). The submission processes will be managed by easychair.org.

If you have used this system before, you can use the same username and password. If this is your first time using EasyChair, you will need to register for an account by clicking "I have no EasyChair account" button.

Upon completion of registration, you will get a notification email from the system and you are ready for submitting your paper. You can upload and re-upload the paper to the system by the submission due date.

All accepted papers will be scheduled for oral presentations and will be printed in the conference proceedings published by Elsevier Science in the open-access Procedia Computer Science series (on-line). At least one author of each accepted paper is required to register and attend the conference to present the work.

Contact

Prof. Jongpil !

Jeong

PI, Department of Smart Factory Convergence (<http://smartfactory.skku.edu>)

Mobile: 010-9700-6284 (Office: 031-299-4260)

E-mail: jpjeong@skku.edu

Band: <http://www.band.us/@smartfactory>

Office: 27526B, 2nd Eng. Buidling, Sungkyunkwan University, Suwon, Korea

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From: GreenCom2019 <greencom2019.green@GMAIL.COM>
Sent: March 9, 2019 2:36 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] **Deadline approaching**CFP: The 15th IEEE International Conference on Green Computing and Communications (GreenCom-2019)

Dear Colleagues:

We apologize in advance if you receive multiple copies of this GreenCom 2019 CFP.

We appreciate your help if you forward this CFP to your colleagues and email lists.

CALL FOR PAPERS _____ The 15th IEEE International Conference on
Green Computing and Communications (GreenCom 2019) July 14 - 17, 2019, Atlanta, USA
<http://cse.stfx.ca/~cybermatics/2019/greencom/>

Extended versions of selected papers will be published in the following special issues.

<http://cse.stfx.ca/~cybermatics//2019/si.php>

Computing and communication systems and other IT infrastructures have a growing environmental footprint due to the significant amounts of energy consumption and greenhouse gas emission. To address such problems and create a sustainable environment, new energy models, algorithms, methodologies, platforms, tools, and systems are required to support next-generation computing and communication infrastructures. Thus, green computing and communications solutions should be designed to better integrate renewable energy sources, to improve energy efficiency, and to reduce greenhouse gas emissions and harmful materials.

The 2019 IEEE International Conference on Green Computing and Communications (GreenCom-2019) will be an exciting international forum for scientists, engineers, and researchers to exchange their novel research regarding advancements in the state-of-art of green computing and communications, as well as to identify the emerging research topics and open issues for further researches.

Topics of interest include, but are not limited to:

Track I: Green Computing and Communication Technologies

- Green infrastructure sustainable design and technologies
- Energy- and power-constrained devices and gateways
- Ultra-low power systems architectures
- Low-power, distributed data processing on sensors
- Energy-efficient M2M wired and wireless communications and networking
- Optimization and/or analysis in green computing and communications (including core network optimization)
- Green big data, cloud, and data center architecture
- Green technologies for 5G (SDN, IoT, and crowdsourcing, etc.)
- Energy harvesting communications and networks
- Energy efficient networking, communications, and protocols

Track II: Smart Energy and Smart Grid

- Smart metering infrastructure and technologies
- Large-scale monitoring, control, and demand response
- Advanced data fusion, mining, and modeling in smart grid
- Management and control of distributed energy generation, storage, and consumption
- Advanced smart grid applications: grid-to-vehicle and vehicle-to-grid, Micro-grid

Track III: Green Society Applications

- Smart sensing systems
- Smart city
- Green vehicle, green home, green buildings, and green anything
- Green industrial automation and control
- Intelligent Transport Systems and control

- Energy efficiency in aerial/UAV communication networks
- Green social networks
- Applications of blockchain in energy management and trading

Important Dates:

- Workshop Proposal Due: 01 February, 2019
- Paper Submission Deadline: 15 March, 2019
- Authors Notification: 01 May, 2019
- Camera-Ready Paper Due: 01 June, 2019

ORGANIZING COMMITTEE

General Chairs:

Victor C. M. Leung, The University of British Columbia, Canada

Arumugam Nallanathan, Queen Mary University of London, UK

Dakai Zhu, University of Texas at San Antonio, USA

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Alireza Ejlali, Sharif University of Technology, Iran

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Wei Song, North China University of Technology, China

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Yuhong Liu, Santa Clara University, USA

M. Ali Dewan, Athabasca University, Canada

Web and System Chair:

Zihao Jiang, STFX, Canada

Paper Submission:

All papers need to be submitted electronically through the conference submission website (EDAS) in word or PDF format at:

<https://edas.info/newPaper.php?c=25554>. The materials presented in the papers should not be published or under submission elsewhere. Each paper is limited to 8 pages (or 10 pages with overlength charge) including figures and references using the IEEE Computer Society Proceedings manuscript style (two columns, single-spaced, font size 10).

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From: Giuseppe Di Modica <dimodica@UNICT.IT>
Sent: March 9, 2019 11:48 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] **Submission deadline extended to March 15th** - IEEE Workshop SQUEET

[Apologies for cross posting]

The 1st Workshop on Service Quality and Quantitative Evaluation in new Emerging Technologies (SQUEET 2019, <http://squeet.unict.it>)

Held in conjunction with the IEEE 7th International Conference on Cloud Engineering (IC2E 2019, <http://conferences.computer.org/IC2E/2019/>)
June 24-27, 2019 - Prague, Czech Republic

Important Dates

Submission of research papers due:	March 15th, 2019	Notification of paper acceptance:	March 30th,
2019 Submission of camera-ready due:	April 22nd, 2019	Workshop date:	June 24th, 2019

The Cloud Computing paradigm, marked by the self-service approach and the pay-per-use price model, has been applied in many different

contexts: Internet of things, Big Data, Fog Computing, Software Defined Networks. However, no matter the underlying provisioning technology, the quality of service (QoS), expressed, for example, in terms of security, reliability, service continuity, responsiveness, maintenance, support, is still a big concern for both the academia and the industry: the growth in the number and type of services offered to customers is not always reciprocated by the capability to grant a satisfactory quality level on the delivered services.

Service Level Agreements (SLAs) are the recognized solution to address such an issue. But, due to the limited capability of CSP to offer clear measurable grants on the delivered quality, SLAs are very limited, consisting only of natural language description of grants. As a matter of fact, on the one side, CSPs are not able to offer measurable grants over the target services and on the other side Customers have no tools to measure and evaluate the quality of delivered services.

The workshop welcomes submissions offering research results, experimental solutions, case studies, and best practices. Possible topics include, but are not limited to:

Innovative Methodologies:

- Innovative QoS models
- SLA models and languages
- Security SLAs
- Security metrics
- Quality metrics
- Measurement technologies
- Quality metrics prediction
- Customer-oriented quality verification
- Quality-Cost prediction models
- Blockchain and Smart Contracts for SLAs
- Standards and specification for cloud services' integration

Problem Specific Solutions:

- Cloud/IoT/Big Data/Fog/SDNs security and quality metrics
- Data security across multiple domains
- QoS and SLA in Big Data Services

Case Studies and Experimental Solutions:

- Adoption of SLA in Cloud/IoT/Big Data/Fog/SDNs
- Evaluation of Cloud architectures
- Quantitative Security Assessment of Cloud/IoT/Big Data/Fog/SDNs
- Quantitative evaluation of Industrial Experiences
- SLAs in Industrial case studies

Submission Guidelines:

We invite original research papers that have not been previously published and are not currently under review for publication elsewhere.

Submitted papers should be no longer than 8 pages in two-column IEEE proceeding format.

The IEEE LaTeX and Microsoft Word templates for conferences can be found at IEEE Manuscript Templates for Conference Proceedings at http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

Submissions must be made through the workshop web page.

Contact:

All questions about submissions should be emailed to squeet2019@googlegroups.com

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From: Rodolfo W. L. Coutinho <rwlc@DCC.UFMG.BR>
Sent: March 9, 2019 10:59 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CFP] MSWiM 2019 - Miami Beach

Our apologies if you receive multiple copies of this announcement.

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CALL FOR PAPERS

22st ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM' 19)

November 25th - November 29th, 2019

<http://mswimconf.com/2019> <<http://http://symposium.nsercdiva.com/2017/>>/

Paper Submission deadline: May 20th, 2019

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* ACM Pending.

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Scope and Objectives

ACM* MSWiM 2019 is the 22st Annual International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems. MSWiM is an international forum dedicated to in-depth discussion of Wireless and Mobile systems, networks, algorithms and applications, with an emphasis on rigorous performance evaluation. MSWiM is a highly selective conference with a long track record of publishing innovative ideas and breakthroughs. MSWiM 2019 will be held in Miami, USA.

Authors are encouraged to submit full papers presenting new research related to the theory or practice of all aspects of modeling, analysis and simulation of mobile and wireless systems. Submitted papers must not have been published elsewhere nor currently be under review by another conference or journal.

Topics of Interest

Papers related to wireless and mobile network modeling, analysis, design, and simulation are solicited on, but not limited to, the following topics in mobile and wireless systems:

- * Performance evaluation and modeling
- * Analytical Models
- * Simulation languages and tools for wireless systems
- * Wireless measurements tools and experiences
- * Formal methods for analysis of wireless systems
- * Correctness, survivability and reliability evaluation
- * Mobility modeling and management
- * Models and protocols for cognitive radio networks
- * Models and protocols for autonomic, or self-* networks
- * Capacity, coverage and connectivity modeling and analysis

- * Wireless network algorithms and protocols
- * Software Defined Network
- * Services for Smart City
- * Wireless PANs, LANs
- * Ad hoc and MESH networks
- * Vehicular Ad-hoc Networks (VANET)
- * Sensor and actuator networks
- * Delay Tolerant Networks
- * Integration of wired and wireless systems
- * Pervasive computing and emerging models
- * Wireless multimedia systems
- * QoS provisioning in wireless and mobile networks
- * Security and privacy of mobile/wireless systems
- * Algorithms and protocols for energy efficient operation and power control
- * Mobile applications, system software and algorithms
- * RF channel modeling and analysis
- * Design methodologies
- * Tools, prototypes and testbeds
- * Parallel and distributed simulation of wireless systems
- * Wireless Communication and Mobile Networking
- * Operating systems for mobile computations
- * Programming language support for mobility
- * Resource management techniques
- * Management of mobile object systems

Paper Submission and Publication

High-quality original papers are solicited. Papers must be unpublished and must not be submitted for publication elsewhere. All papers will be reviewed by Technical Program Committee members and other experts active in the field to ensure high quality and relevance to the conference. Short papers will be included in the technical program to complement mature results and foster discussion and exchange of novel ideas at an early stage. More detailed instructions for paper submission will be provided soon. Accepted papers will appear in the conference proceedings to be published by ACM Press.

Paper Submission: <https://edas.info/newPaper.php?c=25798> <<https://edas.info/newPaper.php?c=25798>>

Paper Registration Deadline: May 15th, 2019 Paper Submission Deadline: May 20th, 2019 Notification of Acceptance: June 30th, 2019 Camera Ready version due: TBA

Conference Dates: November 25th - November 29th, 2019

General Chair:

- Antonio A.F. Loureiro, Federal University of Minas Gerais, Brazil

Program Co-Chairs:

- Salil Kanhere, University of New South Wales, Australia
- Paolo Bellavista, University of Bologna, Italy

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From: Shijia Pan <shijiapan@CMU.EDU>
Sent: March 9, 2019 10:54 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CfP][SenSys 2019] The 17th ACM Conference on Embedded Networked Sensor Systems

[Apologies if you got multiple copies of this email.] =====
Call for Papers: The ACM Conference on Embedded Networked Sensor Systems (SenSys 2019)

**** ACM SenSys 2019 ****

New York, NY, USA
November 10-13, 2019
<http://sensys.acm.org/2019>

Dear Colleagues,

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2019) is the premier computer systems conference focused on the architecture, design, implementation, and performance of networked sensing systems, sensor-oriented data modeling and analytics, and sensor-enabled applications. ACM SenSys brings together academic, industry, and government professionals to a single-track, highly selective forum that takes a broad view on the areas of computing relevant to the future of networked embedded sensor systems. Topics of interests include, but are not limited to, the following:

- New platforms and hardware designs for networked sensor systems
- New communication paradigms for ubiquitous connectivity
- Low-power wireless media access control, network, and transport protocol designs
- Systems software, including operating systems, network stacks, and programming
- System services such as time and location estimation
- Low-power operation, energy harvesting, and energy management
- Resource-efficient machine learning for embedded and mobile platforms
- Mobile and pervasive systems with elements of networked sensing
- Data management and analytics, including quality, integrity, and trustworthiness
- Learning algorithms and models for perception, understanding, and adaptation
- Heterogeneous collaborative sensing, including human-robot sensor systems
- Security and privacy in networked sensor applications and systems
- Fault-tolerance, dependability, and verification
- Applications and deployment experiences

We invite technical papers describing original ideas, groundbreaking results, and real-world experiences involving innovative sensor systems.

Successful submissions will explain why the topic is relevant to a vision of the future of sensing systems. Submissions will be judged on originality, significance, clarity, relevance, and correctness.

**** Important Dates ****

- Paper Registration and Abstract: April 5 (Friday), 2019, 23:59 AoE
- Paper Submission: April 12 (Friday), 2019, 23:59 AoE
- Notification of Paper Acceptance: July 23 (Tuesday), 2019, 23:59 AoE

- Camera-Ready: September 20 (Friday), 2019, 23:59 AoE

Note: These are hard deadlines. No extension will be granted.

**** Submission Guidelines ****

Submitted papers must be unpublished and must not be currently under review for any other publication. Submissions must be full papers, at most 12 single-spaced 8.5" x 11" pages with 9-pt font size in two-column format, including figures and tables. As for references, submissions may include as many pages as needed. All submissions must use the LaTeX (preferred) or Word styles found here <<http://www.acm.org/publications/proceedings-template>>. LaTeX submissions should use the acmart.cls template, with the default 9-pt font. Authors must make a good faith effort to anonymize their submissions. Papers that do not meet the size, formatting, and anonymization requirements will not be reviewed. We require each paper to be in Adobe Portable Document Format (PDF) and submitted through the conference submission system <<https://sensys19.hotcrp.com/>>. Accepted submissions will be available on the ACM digital library at least one week before the conference.

For detailed information about the program and submission guideline, please visit <http://sensys.acm.org/2019>

General Chairs: Raghu K. Ganti (IBM T.J. Watson, USA), Xiaofan (Fred) Jiang (Columbia University, USA) Program Chairs: Gian Pietro Picco (University of Trento, Italy), Xia Zhou (Dartmouth College, USA)

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<https://comsoc-listserv.ieee.org/>



From: Melanie Pelletier <pelletier.mel17@GMAIL.COM>
Sent: March 9, 2019 8:52 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] 2nd CfP: UBICOMM 2019 || September 22, 2019 to September 26, 2019 - Porto, Portugal

INVITATION:

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Please consider to contribute to and/or forward to the appropriate groups the following opportunity to submit and publish original scientific results

to:

UBICOMM 2019, The Thirteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies The submission deadline is *May 13, 2019* Proceedings will be submitted for indexing in Web of Science (WoS) (ISI Thompson Reuters) Authors of selected papers will be invited to submit extended article versions to one of the IARIA Journals: <http://www.iariajournals.org> =====

===== UBICOMM 2019 | Call for Papers =====

CALL FOR PAPERS, TUTORIALS, PANELS

UBICOMM 2019, The Thirteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies

General page: <http://www.iaria.org/conferences2019/UBICOMM19.html>

Submission page: <http://www.iaria.org/conferences2019/SubmitUBICOMM19.html>

Event schedule: September 22, 2019 to September 26, 2019 - Porto, Portugal

Contributions:

- regular papers [in the proceedings, digital library]
- short papers (work in progress) [in the proceedings, digital library]
- ideas: two pages [in the proceedings, digital library]
- extended abstracts: two pages [in the proceedings, digital library]
- posters: two pages [in the proceedings, digital library]
- posters: slide only [slide-deck posted at www.iaria.org]
- presentations: slide only [slide-deck posted at www.iaria.org]
- demos: two pages [posted at www.iaria.org]
- doctoral forum submissions: [in the proceedings, digital library]

Submission deadline: May 13, 2019

Sponsored by IARIA, www.iaria.org

Extended versions of selected papers will be published in IARIA Journals:

<http://www.iariajournals.org>

Print proceedings will be available via Curran Associates, Inc.:

<http://www.proceedings.com/9769.html>

Articles will be archived in the free access ThinkMind Digital Library:

<http://www.thinkmind.org>

The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas.

All tracks are open to both research and industry contributions, in terms of Regular papers, Posters, Work in progress, Technical/marketing/business presentations, Demos, Tutorials, and Panels.

Before submission, please check and comply with the editorial rules:

<http://www.iaria.org/editorialrules.html>

UBICOMM 2019 Topics (for topics and submission details: see CfP on the site)

Call for Papers: <http://www.iaria.org/conferences2019/CfPUBICOMM19.html>

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Ubiquity trends and challenges

Ubiquity services in SDN, SDX, and NFV; Ubiquity in 4G/5G and advanced mobile Internet; Ubiquity and Internet of X (everything, things, people, etc.); Ubiquity with Big Data and mobile networks; Ubiquity with sensing and sensor networks; Energy-aware in ubiquitous networks; Mobility and wireless; Mobility enabling protocols; Ubiquitous software; Ubiquity on knowledge and service discovery in mobile environments; User presence in ubiquitous environments

Fundamentals

Semantics of ubiquity; Ubiquitous knowledge; Knowledge discovery mechanisms; Profiling ubiquitous environments; Ubiquitous technologies for education, learning, and training

Mobility

Ubiquitous computing; Wearable computing; Mobile computing; Nomadic computing; Mobile commerce; Mobile learning

Information Ubiquity

Ubiquitous information appliances; Information retrieval and filtering; Context awareness; Control of ubiquitous data; Data management and processing; Data replication, migration and dissemination; Ubiquitous computing and Internet of Things

Ubiquitous Multimedia Systems and Processing Multimedia content recognition, indexing and search; Mobile graphics, games and entertainment; Ubiquitous multimedia applications and systems; Streaming mobile multimedia; Mobile media management; Multimedia ubiquitous platforms; Multimedia Indexing and Compression; Image and Signal Processing; Virtual reality in ubiquitous systems

Wireless Technologies

Bluetooth; 802.11.x; 802.15.x; ZigBee; WiMax

Web Services

Web 2.0; Semantic web; Web services; Ontology; Web Services evolution; Web Services applications

Ubiquitous networks

Ubiquitous networks; Network management; Network performance evaluation; Networks and technology convergence; Internet access in ubiquitous systems; Ubiquitous mesh, ad hoc and sensor networks; RFID; Reconfigurability and personalization of ubiquitous networks

Ubiquitous devices and operative systems Design of devices for ubiquitous systems; Mobile devices; Wearable devices; Embedded systems; Operative systems for ubiquitous devices; Real-time operating systems and scheduling

Ubiquitous mobile services and protocols Frameworks, architectures, and languages for ubiquitous services; Queries, transactions and workflows in mobile and ubiquitous Networks; Algorithms for ubiquitous systems; SLA/QoS in ubiquitous services; Ontology based services; Location-based services; Protocols and interaction mechanisms for ubiquitous services; Mobile services and service convergence; Service discovery mechanisms; Tracking in ubiquitous environments; Measurement, control, and management of ubiquitous services; Design and development of ubiquitous services; Wireless/mobile service delivery

Ubiquitous software and security

Ambient components; Agent technologies; Software for spontaneous interoperation; Dependability guarantees; Security; Key Management and Authentication; Trust; Privacy; Fault-tolerance; Multimedia Information Security

Collaborative ubiquitous systems

Cooperative networks for ubiquitous systems; Cooperative applications for ubiquitous networks; Handheld and wearable systems for interaction in collaborative groups and communities; Ad hoc collaboration in ubiquitous computing environments; Awareness of collaboration and of work environment; Inherently mobile collaborative work

Users, applications, and business models Mobile user interfaces; Ubiquitous user-generated content (weblogs, wikis, etc.); Mobile and ubiquitous computing support for collaborative learning; User modeling and personalization; Context- and location-aware applications; Toolkits, testbeds, development environments; Tools and techniques for designing, implementing, & evaluating ubiquitous systems; Constructing, deploying and prototyping of ubiquitous applications; Evaluation of user models for ubiquitous environments; On-line analytical techniques; Human-computer interaction in ubiquitous computing environments; Ubiquitous e-Development (business, science, health, etc.); Case Studies; Emerging industrial/business/scientific ubiquitous scenarios; Ambient intelligence; Social issues and implications of ubiquitous system

UBICOMM 2019 Committee:

<http://www.iaria.org/conferences2019/ComUBICOMM19.html>

Liaison and Special Advertizing Board Chair Birgit Gersbeck-Schierholz, Leibniz Universität Hannover, Germany

IEEE Communications Society Tech. Committee on Computer Communications <http://committees.comsoc.org/tccc/>
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From: International Conference bdsde <icbdsde@GMAIL.COM>
Sent: March 9, 2019 4:42 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call of Chapters for BOOK : Big Data and Networks Technologies

Big Data and Networks Technologies
Springer and the series "Lecture Notes in Networks and Systems"
<https://www.springer.com/series/15179>

** Indexing: The books of this series are submitted to ISI Proceedings, SCOPUS, Google Scholar and Springerlink **

Call for Book Chapters: Big Data and Networks Technologies

Editors

- Dr. Yousef FARHAOU: Faculty of sciences and Techniques, Moulay Ismail University, Morocco.
Important dates

Submission Deadline: March 30, 2019

Introduction

The increasing use of Information Technology and IoT in our lives and the treatment of big volumes of data companies and governments have to face, is going to raise multiple challenges to researchers. Our community will have to find answers to questions like: what are the good solutions to manipulate and analyze large data sets, what are the appropriate mechanisms to transmit these data from one site to another?

Data is becoming an increasingly decisive resource in modern societies, economies, and governmental organizations. Data science inspires novel techniques and theories drawn from mathematics, statistics, information theory, computer science, and social science. It involves many domains, such as signal processing, probability models, machine learning, data mining, database, data engineering, pattern recognition, visualization, predictive analytics, data warehousing, data compression, computer programming, etc. High Performance Computing typically deals with smaller, highly structured data sets and huge amounts of computation. Data Science has emerged to tackle the problem of creating processes and approaches to extracting knowledge or insights from gigantic, unstructured data sets.

Networks Communications allow interconnections and exchange of information among various types of nodes ranging from humans, natural sites to computers. Indeed, the heterogeneous character of these ubiquitous connections brings forward the use of complex network technologies and theories. Connected vehicles have been identified as a key technology for increasing road safety and transport efficiency. In recent years, vehicle infrastructure integration technology attracts a great amount of attentions, and it can also bring inestimable economic value, and will play an important role in the next generation of intelligent transportation systems and communication network development.

Objective

The purpose of this book is to discuss the Big Data and Networks Technologies and bring together engineers, researchers and practitioners interested in the advances and applications in the field of Vehicle Technology, Big Data Analytics, Data Sciences, Big Data Mining and Knowledge Management, Intelligent Transport Systems, Data Mining Techniques in Wireless Sensor Networks, Wireless Sensor Communications, and IoT.

Target Audience

The audience of this book will come from the domain of Big Data and Networks Technologies, Intelligent Transport Systems, Wireless Sensor Communications, and IoT. In addition, the proposed book will serve as an aide to the prospective audience (e.g. university lecturers and professors, students, and researchers) and to governmental purposes, planning agencies, environmental management, standardization, and harmonization purposes, etc.

Recommended Topics

Areas of interest include, but are not limited to:

Big Data Analytics

Vehicular Wireless Medium Access Control Routings & Protocols for Connected Vehicles Security & Privacy Issues in Vehicle Communication Environment Safety & non-safety applications of Connected Vehicles Automotive Electronics and Automatic Control in Vehicular Networks Traffic & Transportation Systems in Vehicular Networks Telematics and Mobile Internet Vehicular Cloud Computing Mobility and the Internet of Vehicles IoT in connected Vehicles Data mining and Data analytic in next Generation of Vehicle Telematics Products Data worthiness in connected vehicles Sustainable transport Driver Behavior Analysis Vision and Image Processing Vehicle Environment Perception Software Defined Systems support if IoT.

Security protocols in SDS.

4G/5G wireless billing systems, GPRS billing, etc Ad hoc and wireless sensor networks Advances in satellite communication Cognitive radio applications and spectrum management Delay tolerant networks Design and analysis of wireless LAN/WAN Energy awareness in communication systems Genetic Algorithms Human-computer interaction Internet and web applications Internet of Things (IoT) Interoperability of heterogeneous wireless networks of different standards Wireless security systems IP multimedia subsystems (IMS) Mobile computing Multimedia communications Use of Sensor and RFID technologies in product recovery Nanodevices, nanotechnology, and MEMS Natural language processing Network architectures and protocols Neural network and fuzzy logic Radio communication systems Signal processing Survey papers on wireless communication Technology as a teaching strategy and learning style Traffic engineering Network Virtualization Software Defined Radio Cognitive Radio Networks .

Access Control models in SDN.

Software Defined Datacenters.

Software Defined Security o Security policies automation.

Paper Submission :

1. Paper Format

The submitted paper must be formatted according to springer-template 2. Paper Length Submitted technical papers must be no longer than 15 pages including all figures, tables and references.

3. Paper Submission

Authors are requested to submit their papers electronically using the online conference management system in PDF format before the deadline (see Important Dates). The submission processes will be managed by easychair.org.

If you have used this system before, you can use the same username and password. If this is your first time using EasyChair, you will need to register for an account by clicking "I have no EasyChair account" button.

Upon completion of registration, you will get a notification email from the system and you are ready for submitting your paper. You can upload and re-upload the paper to the system by the submission due date.

Inquiries

Inquiries can be forwarded to editor below via email:

- Dr. Yousef FARHAOU: youseffarhaoui@gmail.com

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From: Antonio Arena <antonio.arena@ING.UNIPI.IT>
Sent: March 9, 2019 4:06 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [DEADLINE APPROACHING - SmartSys 2019]: Call for papers

[We apologize if you receive multiple copies of this CFP.]

CALL FOR PAPERS - IEEE SmartSys 2019 - DEADLINE APPROACHING Fourth IEEE Workshop on Smart Service Systems (SmartSys) Co-located with the IEEE International Conference on Smart Computing (SMARTCOMP 2019) Washington D.C., June 12th/15th, 2019 <http://mpsc.umbc.edu/smartsys/2019/>

Technology succeeds when it provides benefits to the society either directly or indirectly. Understanding the societal and economic impact and human-centered aspects of a smart system or technology in advance and designing the system a-priori with potential value-added services help spur the discoveries of new tools, methodologies and innovative services. Smart service systems span across a variety of socio-technical facets comprising of devices, people, organizations, environments, and technologies to sense, actuate, control and assess the physical, cyber and societal artifacts of the human service systems. Besides the systems being self-adaptive and fault-tolerant, need to be designed in such a way that it can continuously increase the quality and productivity, the compliance and sustainability of the smart services it offers. While human-centered perspective and cognitive learning help create multi-facet value added services and catalyze the sustained economic growth of smart service systems, understanding the multi-modal sensing, control, heterogeneity and interdependency between different physical, virtual and logical components of such a complex system will enable the realization of new transformative smarter service systems. If successful, this can help improve the quality-of-service of the customers, quality-of-life of the citizens and quality-of returns of the stakeholders and investors.

Nurturing the development of smart service systems seeks for inter- and trans-disciplinary crosscutting research threads from system and operational engineering, computer science and information systems, social and behavioral science, computational modeling and industrial engineering etc. The goal of this workshop is to bring together practitioners and researchers from both academia and industry in order to have a forum for discussion and technical presentations on the fundamental knowledge and principles of smart service systems that enable the value co-creation in sensing, actuating, data analytics, learning, cognition, and control of human centric cyber-physical-social systems and future of work.. Research contributions are solicited in all areas pertinent to smart human services and systems, including:

- Innovative technologies, tools, methodologies and solutions for smart service systems; example includes personalized healthcare, smart energy, smart cities, smart manufacturing, intelligent transportation, education, precision medicine and agriculture, national security etc.
- Information extraction and interpretation from sensors, actuators, smart phones, smart watch, and human • Context and situational-awareness of smart service systems • Design of people-centric services and technologies for providing better services such as food, transportation and places to live • Novel architectures and interoperable solutions for internet of things • Models and methodologies for designing complex smart systems • Big data analytics approaches for innovative smart services • Modeling, analysis, co-production, and co-evolution of human activity, behavior and interaction for the effective adaptation and percolation of longitudinal smart service systems • Role of machine learning, artificial intelligence, robotics, pervasive computing, control theory, information and communications technologies • Design and developments of intelligent systems, intelligent enterprises and cyber-physical-social-systems
- Design of inter-dependent complex global systems such as healthcare, smart grid, computer networks, logistics and supply-chains, financial markets etc.
- Smart infrastructure and testbed to support the integration and test of autonomous systems and innovative applications

Important Dates

Paper submission: March 10, 2019

Notification: April 10, 2019
Camera Ready: April 28, 2019
Workshop Date: June 12th or June 15th, 2019

Organizing Committees

Workshop Co-Organizers

Nirmalya Roy, University of Maryland, Baltimore County Gurdip Singh, Syracuse University Sajal Das, Missouri University of Science and Technology

Technical Program Co-Chairs:

Kunal Mankodiya, University of Rhode Island, USA Carlo Vallati, University of Pisa, Italy

Publicity Co-chairs

Antonio Arena, University of Pisa, Italy Mohammadreza Abtahi, University of Rhode Island, USA

Technical Program Committee

TBD

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From: Long Cai HK <longcaihk@GMAIL.COM>
Sent: March 8, 2019 10:42 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Papers - International Conference on Control and Automation 2019 @ Singapore

Dear Colleagues,

CALL FOR PAPERS

The Second International Conference on Control and Automation (CA 2019) will be held on October 04 - 05, 2019 at Singapore, paper submission deadline:
July 30, 2019

Website:
<https://stemconferences.com/event/international-conference-on-control-and-automation-2019/>

CA 2019 will be the most comprehensive conference focused on the various aspects of advances in Control and Automation. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Control and Automation. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects Control and Automation.

IMPORTANT DATES

Paper Submission due: July 30, 2019

Notification to authors: Continuous Process

Camera ready due: August 30, 2019

PAPER SUBMISSION

All papers should be submitted by online system for review (at least 3 pages). Every submitted paper will be carefully reviewed by at least three members of the International Program Committee.

Authors should submit a paper in English, carefully checked for correct grammar and spelling, addressing one or several of the conference areas or topics. Each paper should clearly indicate the nature of its technical/scientific contribution and the problems, domains or environments to which it is applicable. Only original papers should be submitted. Authors are advised to follow ethical norms regarding plagiarism and self-plagiarism thoroughly before submitting and must make sure that their submissions do not substantially overlap work which has been published elsewhere or simultaneously submitted to a journal or another conference with proceedings. Papers that contain any form of plagiarism will be rejected without reviews.

Authors can submit their work in the form of a Regular Paper, representing completed and validated research, or as a Position Paper, portraying a short report of work in progress or an arguable opinion about an issue discussing ideas, facts, situations, methods, procedures or results of scientific research focused on one of the conference topic areas. All papers must be submitted through the online submission platform. After the paper submission has been successfully completed, authors will receive an automatic confirmation e-mail. All the papers should be of 6 pages length.

IMPORTANT NOTICE

Just focus on and express your research contributions to reduce the time for review process.

Paper Submission webpage:

<http://mysubmissions.online/stem-conferences-b-2019/>

Poster Submission Webpage:

<http://mysubmissions.online/stem-conferences-b-2019/>

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Long Cai, PhD,

Conference Publicity Chair

STEM Conferences

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<https://comsoc-listserv.ieee.org/>

From: Houbing Song <song@COMSOC.ORG>
Sent: March 8, 2019 9:41 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for Workshop Proposals: IEEE ICII 2019 (Nov 11-12, 2019, Orlando, FL, USA)

In addition to exciting technical symposia, tutorials, industry panels and exhibitions, IEEE ICII 2019 (<http://www.ieee-icii.org/>) will feature a series of half and full-day workshops and invites the submission of workshop proposals. The aim of the conference workshops is to emphasize emerging topics not specifically covered in the main symposia. Workshops should highlight current topics related to technical and business issues in communications and networking, and should include a mix of regular papers, invited presentations and panels that encourage the participation of attendees in active discussion.

Workshop Proposal Format

Each workshop proposal (maximum 6 pages) must include (please follow the following order in your proposal):

1. Title of the workshop
2. Workshop Organizers (names, affiliation and contact information)
3. Scope and topics of the workshop (max 1 page)
4. Rationale (max 1 page)
 - a. Why is the topic current and important?
 - b. Why the workshop may attract a significant number of submissions of good quality?
 - c. Why the workshop may attract a large number of attendees, in addition to the authors?
 - d. Why the workshop differs from others; i.e., related workshops and conferences of similar topic?
5. A short biography of the organizers (up to 200 words)
6. Names of potential participants, such as program committee members and invited speakers (indication that speakers accepted to participate is a plus)
7. Planned format of the workshop, including
 - a. Duration of the workshop: Half-day, Full-day and tentative schedule
 - b. Preferred day of workshop:
 - c. Number of refereed papers, hot topic sessions, keynotes, panels

- d. Unique, creative and novel workshops formats are strongly encouraged
8. Draft Call for Papers (max 1 page)
9. A description of the publicity and promotion plan
10. Workshop potential website address (if available at the time of the proposal - will be required later if the workshop proposal is accepted)
11. If appropriate, a description of past versions of the workshop, including the number of submitted and accepted papers, number of attendees, etc.

Workshop Proposal Submission

A workshop proposal should be sent as a single PDF file to Workshop Co-Chairs via email.

Proposals that address exciting topics in creative formats that generate lively interactions among participants are highly encouraged. Examples include facilitating multi-disciplinary discussions across academicians, practitioners and policy makers leading to high impact and transformative research. Papers will be added to the IEEE ICII Conference Proceedings and submitted to IEEE Xplore.

Workshop Preparation and Organization Timeline

- Proposal Submission Deadline: March 31, 2019
- Notification of Selection: April 15, 2019 EDT
- Website for each workshop on: May 1, 2019 EDT
- Workshop paper Submission Deadline: July 15, 2019 EDT
- Workshop paper Acceptance Notification: August 15, 2019 EDT
- Workshop Camera-Ready: August 31, 2019 EDT

Please address all questions to the IEEE ICII 2019 Workshops Chairs:

Houbing Song, Embry-Riddle Aeronautical University, USA, Houbing.Song@erau.edu Igor Bisio, University of Genova, Italy, igor.bisio@unige.it

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From: Shijia Pan <shijiapan@CMU.EDU>
Sent: March 8, 2019 2:56 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Call for Participation] SocialSens'19 workshop (In conjunction with the ACM/IEEE CPS Week)

[Apologies if you got multiple copies of this email.]

SocialSens 2019
April 15th, 2019
Montréal, Canada

SocialSens 2019 invites researchers and engineers from academia, industry, and government to present recent advances in both theoretical and experimental research on social sensing topics. This effort stems from the observation that social networks can be viewed as new types of “sensors” that carry information on what happens in the physical world. There is therefore much benefit from an exchange of ideas between the relevant communities from physical and social backgrounds, including sensing, data fusion/mining, signal processing, social networks, cognitive modeling, computational social and behavior science, and IoT/CPS, among other topics.

In particular, we are interested in efforts that combine or point towards combinations, of advanced quantitative modeling with rigorous social and behavioral science theory. Social sensing advances the foundations of data collection and processing that exploits social and physical sources.

Program (F= Full Paper; EA= Extended Abstract)

8:30-8:45: Welcome by Chairs
*8:45-10:00 Keynote
<<https://www3.nd.edu/~dwang5/SocialSens2019/index.html#keynote>> *

Speaker: *Dr. Kathleen M. Carley *(Carnegie Mellon University)
Title: Social Cyber-Security Dynamics

*10:00-10:30 Coffee Break *
10:30-11:50 Session 1: Social Networks and Social Sensing

(F) Xudong Wu (Shanghai Jiao Tong University), Luoyi Fu (Shanghai Jiao Tong University), Jingfan Meng (Shanghai Jiao Tong University), Xinbing Wang (Shanghai Jiao Tong University), *Maximizing Influence Diffusion over Evolving Social Networks*

(F) Alessandro Di Stefano (University of Catania), Marialisa Scata (University of Catania), Aurelio La Corte (University of Catania), (Sajal K Das Missouri University of Science and Technology), Pietro Lio (University of Cambridge), *Improving QoE in Multi-layer Social Sensing: A Cognitive Architecture and Game Theoretic Model*

(F) Sofia Hurtado (Carnegie Mellon University), Poushali Ray (Carnegie Mellon University) and Radu Marculescu (Carnegie Mellon University), *Bot Detection in Reddit Political Discussion*

(EA) Nynke M. D. Niezink (Carnegie Mellon University), *Offline Consequences of Echo Chambers*

*12:00-13:30 Lunch *

13:30-14:50 Session 2: Human-in-the-Loop and Social-Environment Interaction

(F) Anooshmita Das (University of Southern Denmark), Fisayo Caleb Sangogboye (University of Southern Denmark), Emil Stubbe Kolvig Raun (University of Southern Denmark), Mikkel Baun Kjaergaard (University of Southern Denmark), *HeteroSense: An Occupancy Sensing Framework for Multi-Class Classification for Activity Recognition and Trajectory Detection*

(F) Laura Guzman (Simon Fraser University), Stephen Makonin (Simon Fraser University), Alex Clapp (Simon Fraser University), *CarbonKit: Designing A Personal Carbon Tracking Platform*

(F) J.Fernandes (University of Coimbra), D.Raposo (University of Coimbra), S.Sinche (University of Coimbra), N.Armando (University of Coimbra), J.Sa Silva (University of Coimbra), A.Rodrigues (University of Coimbra), L.Macedo (University of Coimbra), H.Gonçalo Oliveira (University of Coimbra), F.Boavida (University of Coimbra), *A Human-in-the-Loop Cyber-Physical Approach for Students Performance Assessment*

(EA) Akhil Mathur (Nokia Bell Labs), Fahim Kawsar (Nokia Bell Labs), Nadia Berthouze (University College London), Nicholas D. Lane (University of Oxford), *A Vision for Adaptive and Generalizable Audio-Sensing Systems*

*15:00-15:30 Coffee Break *

*15:30-17:00 Session 3: IoT Issues & Discussions *

(EA) Jinsong Han (Zhejiang University), Feng Lin (Zhejiang University), Wenbo Shen (Zhejiang University), Kui Ren (Zhejiang University), *Trustworthy Authentication for IoT with Human-and-Environment-in-the-Loop*

(EA) Zhenzhe Zheng (Shanghai Jiao Tong University), Weichao Mao (Shanghai Jiao Tong University), Fan Wu (Shanghai Jiao Tong University), and Guihai Chen (Shanghai Jiao Tong University), *Challenges and Opportunities in IoT Data Markets*

Panel: Title & Panelists: TBD

*16:50-17:00 End of Workshop *

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