From:	Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent:	March 21, 2019 7:16 AM
To:	cfp
Subject:	[cfp] Fwd: [TCCC-ANNOUNCE] CFP: DIPI Workshop 2019 - extended deadline March 25 - co-located with IEEE WoWMoM 2019 - SI follow-up - Data Distribution in Industrial and Pervasive Internet

-------- Weitergeleitete Nachricht --------
Betreff: [TCCC-ANNOUNCE] CFP: DIPI Workshop 2019 - extended deadline March 25 - co-located with IEEE WoWMoM 2019 - SI follow-up - Data Distribution in Industrial and Pervasive Internet
Datum: Thu, 21 Mar 2019 11:45:36 +0100
Von: Theofanis Raptis <theofanis.raptis@IIT.CNR.IT> Antwort an: Theofanis Raptis <theofanis.raptis@IIT.CNR.IT>
An: tccc-announce@COMSOC.ORG

===
1st International Workshop on
Data Distribution in Industrial and Pervasive Internet (DIPI 2019)* June 10-12, 2019 Washington DC, USA
http://cnd.iit.cnr.it/dipi2019/

*co-located with IEEE WoWMoM 2019
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******** Benefits ********

- Accepted papers will be included and indexed in IEEE Xplore
- 6-pages double column format
- Editorial follow-ups: Extended versions of selected papers might be considered for possible fast track publication in a Special Issue of Elsevier Computer Communications

******** Topics of Interest ********

The ubiquitous presence of data originating from the integration of wireless networks, pervasive computing, industrial equipment and people, has led to an increased interest in solutions for distributed data management and efficient data distribution at the edge of the networked environments. The essence of this vision is the creation of data-driven networks saturated with pervasive sensing, computing, and wireless communication that ideally support the needs of individuals, societies and industries.

Contributions can be analytical, empirical, technological, methodological, or a combination of those. Papers reporting strong data-oriented systems engineering contributions backed by solid and appropriate evaluations are strongly encouraged. The impact of the contributions should be demonstrated in the context of the data-related aspects in the pervasive and industrial internet. Research contributions are solicited in all application areas pertinent to industrial and pervasive data distribution, including but not limited to:

Data distribution in Industrial Internet, where novel data management techniques can be supported by networking protocols, algorithms and processes, and where intelligent entities can exchange and manage distributed data in order to achieve improved performance for both the cyber and the physical components.
Particular areas of interest include:

- Data-driven industrial IoT architectures with multiple inter-connected networking technologies
- Pervasive data distribution and management algorithms for the Industrial Internet
- Networking protocol stacks and standardization for enabling efficient data distribution
- Industrial cloud and edge computing, communication and networking technologies
- Data-oriented networked control, distributed optimization, and distributed learning
- Industrial internet robotics and autonomous systems
- Modeling of tightly integrated, data-intensive Cyber-Physical processes, computation platforms, and networks
- Data distribution solutions which satisfy the Industry 4.0 requirements

Data distribution in Pervasive Internet, where the ambient intelligence of network devices embedded in the environment can provide a constant and unobtrusive data management and distribution.
Particular areas of interest include:

- Large-scale data management and distribution in pervasive internet
- Clouds, cloudlets, fog computing, device-to-device coordination
- Pervasive big data and artificial intelligence
- Smart spaces and intelligent environments
- Cognitive computing techniques
- Social Cyber-Physical Computing and human in the loop, data-oriented approaches
- Crowdsensing and analytics of human user data in Cyber-Physical Systems

Contributions focused on the horizontal topics of (a) security, privacy, trust (b) reliability, safety (c) experiences from real-world deployments, testbeds, case studies, are also welcome, as long as they target one of the aforementioned application areas.

******** Main Organizers ********

- Workshop Chairs
Theofanis P. Raptis, Institute for Informatics and Telematics, National Research Council (IIT-CNR), Italy Georgios Z. Papadopoulos, IMT Atlantique, France

- Technical Program Committee
Masoud Abbaszadeh (GE Global Research, USA) Xenofon (Fontas) Fafoutis (DTU, Denmark) Antoine Gallais (Inria Lille / University of Strasbourg, France) Oana Iova (INSA Lyon, France) Salil Kanhere (UNSW Sydney, Australia) Stamatis Karnouskos (SAP, Germany) Vasilis Katos (Bournemouth University, UK) Ernoe Kovacs (NEC Labs Europe, Germany) Francois Lemercier (NIST, USA) Valeria Loscri (Inria Lille, France) Nathalie Mitton (Inria Lille, France) Julien Montavont (University of Strasbourg, France) Sharief Oteafy (DePaul University, USA) Chrysa Papagianni (Nokia Bell Labs, Belgium) Andrea Passarella (IIT-CNR, Italy) Tanguy Ropitault (NIST, USA) Miguel Sepulcre (Miguel Hernandez University of Elche, Spain) Lei Shu (University of Lincoln, UK / Nanjing Agricultural University, China) George Sklivanitis (Florida Atlantic University, USA) Petros Spachos (University of Guelph, Canada) Violet R. Syrotiuk (Arizona State University, USA) Geraldine Texier (IMT Atlantique, France) Fabrice Theoleyre (CNRS / University of Strasbourg, France) Eirini Eleni Tsiropoulou (University of New Mexico, USA) Carlo Vallati (University of Pisa, Italy) Cong Wang (Old Dominion University, USA) Dimitrios Zorbas (Tyndall National Institute, Ireland)

- Publicity co-Chairs
Gangyong Jia (Hangzhou Dianzi University, China) Fabrice Theoleyre (CNRS / University of Strasbourg, France) Eirini Eleni Tsiropoulou (University of New Mexico, USA)

******** Important Dates ********

Paper Submission: March 25, 2019
Acceptance Notification: April 15, 2019
Camera Ready: April 29, 2019

******** Submission Guidelines ********
http://cnd.iit.cnr.it/dipi2019/sub.html

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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 21, 2019 7:13 AM
To:	cfp
Subject:	[cfp] Fwd: [TCCC-ANNOUNCE] CFP: IEEE JSAC Special Issue on "Design and Analysis of Communication Interfaces for Industry 4.0"

-------- Weitergeleitete Nachricht --------
Betreff: [TCCC-ANNOUNCE] CFP: IEEE JSAC Special Issue on "Design and Analysis of Communication Interfaces for Industry 4.0"
Datum: Thu, 21 Mar 2019 07:08:42 -0400
Von: Syed Ali Zaidi <s.alirzaidi@GMAIL.COM> Antwort an: Syed Ali Zaidi <s.alirzaidi@GMAIL.COM>
An: tccc-announce@COMSOC.ORG

****
Call for Papers
****
IEEE JSAC Special Issue on: Design and Analysis of Communication Interfaces for Industry 4.0
****

The fourth industrial revolution also referred to as Industry 4.0 aims to integrate advanced manufacturing techniques with the Internet-of-Things (IoT) to create an agile digital manufacturing ecosystem. The key idea is to provide a higher level of automation by combining technologies such as Industrial IoT (IIoT), cloud computing, machine learning (ML) and advanced robotics to enable the creation of interconnected, responsive, intelligent and self-optimizing manufacturing processes and systems. The increased automation can:
1. Significantly enhance "operational efficiency" through real-time process analytics or even end-to-end process control.
2. Significantly enhance "overall productivity" by realizing zero-downtime through proactive maintenance via the implementation of 'digital twins'.
Implementation of either real-time process analytics or digital twining is geared to generate a huge volume of heterogeneous data flows.
Consequently, the design of communication interfaces to support inter-connectivity must be optimized to enable convergence between legacy operations technology (OT) and next-generation IIoT.

This special issue solicits original research papers focused on Design and Analysis of:

1. Ultra-reliable Low-Latency Connectivity Interfaces for IIoT Networks 2. Spectrum Management and Coexistence Issues for IIoT Networks 3. Architecture and Protocols for IIoT Networks 4. Novel ML methods for implementing Self-X capabilities in IIoT Networks 5. Resource Allocation and Management for IIoT Networks 6. Security, Privacy and Trust issues in IIoT deployments 7. Interoperability and Convergence Issues for legacy OT and IIoT Networks 8. Application and Deployment Specific Issues for IIoT Networks

Submission Guidelines
All submissions have to be prepared according to the Information for Authors as published in the Journal website and must be submitted via EDAS.

Important Dates
Manuscript Due: 1 July 2019
Acceptance Notification: 30 September 2019 Final Manuscript Due: 15 November 2019 Expected Publication of the Special Issue: First/Second Quarter 2020

Guest Editors
Syed A. R. Zaidi
University of Leeds, UK

Muhammad Zeeshan Shakir
The University of West of Scotland, UK

Antonio J. Jara
University of Applied Sciences Western Switzerland

Yunchuan Sun
Beijing Normal University, China

Rohit Ail
Samsung Technology Research, UK

Houbing Song
Embry-Riddle Aeronautical University, USA

Sid Chi-Kin Chau
Australian National University, Australia

_____

From:	Dalvan Griebler <dalvangriebler@GMAIL.COM>
Sent:	March 21, 2019 11:06 AM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] CFP (extended deadline, March 29): InterCloud-HPC 2019 - Internat. Symp. on Cloud Comp. and Services for HPC Systems

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 International Symposium on Cloud Computing and Services for High Performance Computing Systems (InterCloud-HPC 2019)

 July 15 - 19, 2019 - Dublin, Ireland

 Website:
http://hpcs2019.cisedu.info/2-conference/symposia/symp01-intercloudhpc
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IMPORTANT DATES

Paper Submissions: ---
29 March 2019 (extended)
Acceptance Notification: ---
22 April 2019
Camera Ready Papers and Registration Due by: ------------------ 08 May 2019 Conference Dates: --------------------------------
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15 - 19 July 2019

SCOPE AND OBJECTIVES

Cloud Computing has now become the prevalent paradigm for powering modern IT systems and data-intensive scientific applications. The success of the cloud is in large parts due to its ease of access through the Internet, its ability to hide hardware deployment and maintenance, and its elasticity that makes applications reach Internet scale easier than ever before.

This symposium focuses on techniques, experiences, applications, and lessons learnt for interoperable services in the cloud, particularly in the realms of high performance computing. For instance, HPC may be used for the construction of mathematical models and numerical solutions and techniques for solving scientific, socio-scientific and engineering problems. It often requires a huge number of computing and storage resources to perform large-scale analyses and experiments. Users could get access to their own virtualized HPC cluster in a self-service, dynamically scalable and fully configurable environment. Cloud computing can address many of the aforementioned concerns. Such a computing paradigm shift provides a flexible high performance computing environment.

 The symposium aims at providing a forum to bring together researchers and scientists to share and exchange cloud computing related research, technologies, experiences, and lessons for building various types clouds with interoperability and coordination capabilities in a high performance and high availability setting.

The InterCloud-HPC Symposium topics include (but are not limited to) the following:
- Cloud Architectures
- Fog and Edge Computing
- Cloud Interoperability and Federation Protocols
- Programming Models for HPC Clouds
- Semantic Web Services Definitions for Clouds
- Directory of Services for Clouds
- Middleware Frameworks
- Management of Interoperability and Federation for Clouds
- Interoperable and Federated Cloud Security and Trust
- Cloud Interoperability and Federation Governance and Regulatory
- HPC Cloud-based Services
- QoS/SLA in Interoperable and Federated Clouds
- Converged Implementations of Clouds and Grids
- Geo-balancing in Interoperable and Federated Clouds
- Common Programming Models across Clouds
- Cloud Broker, Exchange, Arbitrage architectures
- Semantic Web for Clouds
- Cloud Protocols
- Virtualization Technologies and Techniques
- Virtualization Techniques for HPC GPU/Multicore Systems
- Management of Clouds
- Performance Evaluation and Monitoring of HPC Clouds
- Scalable Fault Resilience Techniques for HPC Clouds
- Cloud Application
- Experiences and Lessons

PAPER SUBMISSIONS

You are invited to submit original and unpublished research works on above and other topics related to Cloud Computing and Services for High Performance Computing Systems. Submitted papers must not have been published or simultaneously submitted elsewhere until it appears in HPCS proceedings, in the case of acceptance, or notified otherwise. For Regular papers, please submit a PDF copy of your full manuscript, not to exceed 8 double-column formatted pages per template, and include up to 6 keywords and an abstract of no more than 400 words. Additional pages will be charged an additional fee. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and all authors email addresses. Please, indicate clearly the corresponding author(s) although all authors are equally responsible for the manuscript. Short papers (up to 4 pages), poster papers and posters (please refer to http://hpcs2019.cisedu.info/1-call-for-papers-and-participation/call-for-posters
for
posters submission details) will also be considered. Please specify the type of submission you have. Please include page numbers on all preliminary submissions to make it easier for reviewers to provide helpful comments.

Submit a PDF copy of your full manuscript to the symposium paper submission site at https://easychair.org/my/conference.cgi?conf=intercloudhpc2019;welcome=1.
Acknowledgment will be sent within 48 hours of submission.

Conference Policies

Only PDF files will be accepted, uploaded to the submission link above.

Each paper will receive a minimum of three reviews. Papers will be selected based on their originality, relevance, significance, technical clarity and presentation, language, and references. Submission implies the willingness of at least one of the authors to register and present the paper if accepted. At least one of the authors of each accepted paper will have to register and attend the HPCS 2019 conference to present the paper at the symposium as scheduled. By submitting the paper to the HPCS conference, all authors agree to abide by all HPCS conference paper submission, publication and presentation policies as well as following ethical and professional codes of conduct, including those of the professional co-sponsoring organizations. For more information, please refer to the Authors Info and Registration Info pages. The symposium policy and professional ethics require that referees treat the contents of papers under review as privileged information not to be disclosed to others before publication. It is expected that no one with access to a manuscript under review will make any inappropriate use of the special knowledge which that access provides.

 Proceedings

 Accepted papers will be published in the Conference proceedings.
Instructions for final manuscript format and requirements will be posted on the HPCS 2019 Conference web site. It is our intent to have the proceedings formally published in hard and soft copies and be available at the time of the conference. The proceedings are projected to be included in the IEEE or ACM Digital Library and indexed in all major indexing services accordingly.

SPECIAL ISSUE

 Plans are underway to have the best papers, an extended version, selected for possible publication in a reputable journal as a special issue.
Detailed information will soon be announced and will be made available on the conference website.

SYMPOSIUM ORGANIZERS

 - Dalvan Griebler, Pontifical Catholic University of Rio Grande do Sul
(PUCRS) and Três de Maio Faculty (SETREM), Brazil
 - Horacio González-Vélez, Cloud Competency Centre, National College of Ireland, Dublin, Ireland
 - Anthony Simonet, Rutgers Discovery Informatics Institute (RDI2), Piscataway, New Jersey, USA
 - Daniel Balouek-Thomert, Rutgers Discovery Informatics Institute (RDI2), Piscataway, New Jersey, USA

INTERNATIONAL PROGRAM COMMITTEE

 - Moustafa Abdelbaky, University of California - Berkeley, California, USA
 - Marco Aldinucci, University of Torino, Italy
 - Marco Danelutto, Dept. Computer Science, University of Pisa, Italy
 - Mario A.R. Dantas, DCC/ICE, Universidade Federal de Juiz de Fora (UFJF), MG, Brazil
 - Luiz Fernandes, PPGCC - Pontificia Universidade Catolica do Rio Grande do Sul, Brazil
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 - Adrien Lèbre, Inria / Ecole des Mines, France
 - Philippe Navaux, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre - RS, Brazil
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 - Issam Rais, UiT - The Arctic University of Norway, Tromsø, Norway
 - Rodrigo Righi, Universidade do Vale do Rio dos Sinos (UNISINOS), São Leopoldo - RS, Brazil
 - Pradeep Subedi, Rutgers University, New Jersey, USA
 - Pedro Paulo Silva, Inria Rennes Bretagne, France - J.J. Villalobos, Rutgers University, New Jersey, USA

--
Dr. Dalvan Griebler

Postdoc researcher in Computer Science (GMAP <https://gmap.pucrs.br/> - PPGCC
<http://www.pucrs.br/politecnica/programa-de-pos-graduacao-em-ciencia-da-computacao/>
 - PUCRS <http://www.pucrs.br/>)
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Phone: +55 51 33538633

_____

From:	Nur Zincir-Heywood <zincir@CS.DAL.CA>
Sent:	March 21, 2019 2:08 PM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] Call for Tutorials - CNSM 2019 - 15th International Conference on Network and Service Management

[Apologies for cross and multiple postings]

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

    21-25 October 2019, Halifax, Canada

   Tutorial Submission Deadline: 29 March 2019

   http://www.cnsm-conf.org/2019/
****

Tutorials are an integral part of the program of CNSM 2019. They provide participants with broad and comprehensive overviews of emerging fields in management of information, networks and communication technology. Experts are invited to submit half-day (3 hours) tutorial proposals. Full-day tutorials as well as tutorials including hands-on experience are also warmly welcome.

Suggested topics include, but are not limited to:

  * Cognitive network and service management
  * Data analytics for network and service management
  * Machine learning and network intelligence
  * Management of Internet of Things
  * Managing software defined infrastructures
  * Network Function Virtualization management
  * Managing converged networks and services
  * Managing cloud computing and services
  * State of the art on wireless network management
  * State of the art on security management
  * Smart grid management
  * Smart devices management
  * Managing future networks
  * Green communication management
  * Blockchain for network and service management
  * Management of blockchain networks and transactions
  * Self-driving networks
  * Connected and autonomous networks
  * DevOps for network management

Important Dates:
Tutorial Proposal Submission: March 29, 2019 Acceptance Notification: April 15, 2019 Camera Ready Due: August 30, 2019

Conference: October 21 - 25, 2019

Submission Instructions:
If you are interested in presenting a tutorial at CNSM 2019, please fill in the Tutorial Proposal Form and submit it to the Technical Program Co-Chairs.
Tutorial Proposal Form can be downloaded from the following link: http://www.cnsm-conf.org/2019/cft.html
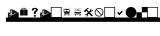
Additional Information:
Once accepted, a tutorial will be held provided that there is a minimum audience of 5 registrants for the tutorial. A stipend of CAD $600 or one free full conference registration will be offered per tutorial (to be shared among speakers for a particular tutorial if more than one speaker presents the tutorial). As for most conferences, travel and other expenses are to be covered by the tutorial speakers themselves. For further information, please contact the Technical Program Co-Chairs.

Technical Program Co-Chairs
Nur Zincir-Heywood, Dalhousie University, Canada: zincir@cs.dal.ca<mailto:zincir@cs.dal.ca>
Remi Badonnel, Telecom Nancy, France: remi.badonnel@loria.fr<mailto:remi.badonnel@loria.fr>

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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/

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Important Dates:

- Workshop Proposal Due: 01 February, 2019

- Paper Submission Deadline:* 01 April, 2019 (Extended)*

- Authors Notification: 01 May, 2019

- Camera-Ready Paper Due: 01 June, 2019

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

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

Program Chairs:

Alireza Ejlali, Sharif University of Technology, Iran

Ashwin Ashok, Georgia State University, USA

Changqing Luo, Virginia Commonwealth University, USA

Program Vice Chairs:

Shuhui Yang, Purdue University Northwest, USA

Wei Song, North China University of Technology, China

Ling Tian, University of Electronic Science and Technology of China, China

Workshop Chairs:

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Publicity Chairs:

Joe Cecil, Oklahoma State University, USA

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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CALL FOR PAPERS

The 3rd Workshop on Advances in IoT Architecture and Systems June 23, 2019, Phoenix, Arizona, USA Workshop co-located with ISCA 2019, which is a part of ACM Federated Computing Research Conference (FCRC) 2019. <https://fcrc.acm.org/>

Website: https://sites.google.com/view/aiotas2019/

Accepted papers will be published in ACM SIGBED Review. *Last two editions are available here at **AIoTAS'17 <https://dl.acm.org/citation.cfm?id=3231535> and **AIoTAS'18 <https://dl.acm.org/citation.cfm?id=3292384> *
===
Internet-of-Things (IoT) is poised for a disruptive growth in near future where a wide variety of resources will be connected to the Internet. An IoT system will be the biggest connected system the human race has ever built.
The system has to be open to support any future devices that may wish to connect to the system, which will be huge in size, supporting trillions of devices, millions of human users, and transporting data of several magnitudes more than that of today's Internet.

Importance of research on IoT systems has been recognized across industry and academia since it is simply not a system integration issue that we need to handle. It is projected as the major economic driver for the next few decades to come. An IoT system will need to integrate all fields of engineering, and possibly various fields of basic sciences. Diversity, Scalability, Accessibility, Openness, Programmability, Performance, tolerance to failure, etc. are some of the associated broad areas of research in IoT engineering. Engineers around the world are stitching small IoT systems catered for restricted domains such as home, city transportation, agriculture, etc. These efforts have increased our understanding of the issues and have unearthed problems associated with this vision.

Our immediate aim is to host a strongly interactive gathering of like-minded researchers and some practitioners, who are exploring the above areas, and embedded systems in general, to present their work and discuss potential ways forward.

Our long term objective is to initiate and formulate a group of researchers working on the issues of connected embedded systems and IoT architecture; and practitioners from industry, to meet regularly and describe issues, new problem areas pertaining to IoT system, and also to discuss on standards and solutions. We hope to positively influence the design, development, evolution and transformation of connected embedded systems like an IoT systems, with novel methods and techniques.

Scope

The broader vision of IoT is connected embedded systems encompassing all types of domains. Domain or a use-case has profound effect on the architectural decisions. Applications which will be hosted on such a platform will have diverse requirements. The architecture has to support various data and computation requirements because many of these applications are time critical. There are already examples of extreme types of applications in IoT, applications which are periodic in nature with diverse periodicity (e.g., reminders for pills, bus/train movements, periodic health checkup), applications which are highly aperiodic (investment on a stock, evacuation for emergency) again with diverse aperiodic

distributions. Moreover, data volume requirements for different applications are also diverse. It may be difficult, if not impossible, to design an architecture which is generic enough across domains.

The purpose of the workshop is to solidify this research area and community. The long term aim is to bring together academic researchers and industry practitioners in this field to discuss the current state of research, common problems, discover new opportunities for collaboration, exchange ideas, and envision new areas of research, applications, and approaches.

This year, we shall put the focus on some emerging technologies.

IoT architecture for swarm robotics
Edge computing architecture for IoT
5G enabled IoT architecture
Block-chain enabled IoT architecture
The idea behind special focus is that generally, a sound and mature architecture for such technologies is lacking. This workshop can enable discussion and provide a relevant platform among the research community and strive toward maturing research outcome. However, any broader topic on IoT or cyber-physical systems is welcome.

Submission Guideline
===
We solicit detailed papers explaining techniques, solutions, tools or experience reports. Page limit is at most 8 pages and at least 6 pages, including references and artworks. All papers must be original and not simultaneously submitted to another journal, conference or workshop.

Please submit through

https://easychair.org/conferences/?conf=aiotas2019

The accepted papers will be published at ACM SIGBED Review. Formatting details are available at:

http://sigbed.seas.upenn.edu/submit.html

We follow a double-blind review policy. That means the submitted article should not include the author's identity and affiliation information. They should prepare the article while maintaining anonymity.

Important Dates
===
Paper Submission Deadline :   April 1, 2019 (AoE)
Notification of Acceptance :   April 19, 2019
Camera-ready Due   :   May 6, 2019
Workshop Day   :   June 23, 2019

Organizing Committee
===
Organization Chairs

Ansuman Banerjee (Indian Statistical Institute) Himadri Sekhar Paul (TCS Research & Innovation) Chayan Sarkar (TCS Research & Innovation)

Program Committee

Arijit Mukherjee (TCS Research & Innovation) Bei Yu (Chinese University of Hong Kong) Carlo Vallati (University of Pisa) Hemangee Kapoor (IIT Guwahati) Kishor Chandra (Delft University of Technology) Kohinoor Basu (Intel Santa Clara) Mingsong Chen (ECNU China) Nilanjan Banerjee (Motif Politik) Ravindra Metta (Tata Research and Development Center) R R Venkatesha Prasad (Delft University of Technology) Sangyoung Park (Technical University of Munich) Smruti R. Sarangi (IIT Delhi) Snehasis Banerjee (TCS Research & Innovation) Swaminathan Narayanswami (Technical University of Munich)

Regards,
--
Dr. Chayan Sarkar
Scientist, TCS Research, India
http://www.chayansarkar.com

_____

From: Sidda Chandrappa <conference@ICDIM.ORG>
Sent: March 22, 2019 3:29 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Real-Time Intelligent Systems 2019

Fourth International Conference on Real-Time Intellgent Systems (RTIS
2019)
Zhuhai Chinese Academy of Sciences, China November 01-03, 2019 www.socio.org.uk/rtis

Real-Time Computing covers a broad spectrum of the intensively developing area of low-latency priority-driven system responsiveness under certain time constrains to essential and decisive human-computer interactions with constantly incoming data stream. Research on real-time intelligent systems is of a multi-disciplinary nature, exploiting concepts from the areas as diverse as signal processing technologies, computational intelligence, location systems, data processing, digital document processing and embedded system design. To accomplish its real-time performance, systematic analysis is carried out when the systems are working.

Therefore, over the last few years real-time intelligent computing has radically transformed human life style. In the today's competitive and highly dynamic environment, analyzing data in real time is a must to understand in detail how the systems are processing the data and to reason the outputs and anticipate the trends in intelligent computing, has become critical.
To leverage the full potential of the opportunity build complex real time systems, intense research is required and this conference will serve as one such platform to manifest the ongoing research in the real time intelligence system.
The conference welcomes theoretically grounded, methodologically sound research papers from academia and industry that address variety of aspects and innovations related to real-time computing systems.

The scope of the conference includes, but is not limited to the following areas:

Streaming data, streaming engines
Big Data systems and applications for high-velocity data Analysis in advanced domains such as energy, sensors, etc
Artificial Intelligence Broadband Intelligence Cloud Computing and Intelligence Collaborative Intelligence Crowdsourcing and crowd intelligence Data capture in real-time Intelligent Database Systems Data mining Intelligent Data Analysis OLAP for real-time decision support Data quality and cleansing Intelligent Fuzzy Systems Event-driven analytics Visualizing real-time data and information Intelligent Soft Computing Privacy and security in Intelligence Architectures for Intelligence Internet of Things Intelligent Robotic Systems Smart Services and Platforms Intelligent Transportation Systems Mobile Smart Systems Trace-based intelligent real-time services (eye-tracking, image
tracking)
Real-time intelligent alert systems
Machine translation in real time
Multilingual information access
Multiagent Intelligent Systems
Intelligent Information Systems
Adaptive vision algorithms
Real-time Intelligent Network solutions
Real-time distributed coding
Real-time modelling user's information needs Real-time noise removal systems Real-time intelligent communication
Real-time remote access systems Decision support systems in real time Real-time multiprocessor systems

The Proceedings will be published by Springer in the Proceedings of the

4th International Conference on Real-Time Intelligent Systems, Volume 3
RTIS 2019. (http://www.springer.com/series/11156)

For the series information please see-

http://www.springer.com/gp/book/9783319607436

First International Workshop on Neuromorphic Computing - Colocated with
the RTIS 2019

General Chair
Jolanta Mizera-Pietraszko, Opole University, Poland

Program Chairs
Pit Pichappan, Digital Information Research Lab., India
Simon Fong, University of Macau, Macau

Co-Chairs
Min-Ling Zhang, Southeast University, China
Ron Sun, Rensselaer Polytechnic Institute, USA

Important Dates

Paper Submission: August 15, 2019
Paper Notification: September 15, 2019
Camera ready: October 10, 2019
Early registration: October 15, 2019
Full-rate registration: October 22, 2019
Conference Dates: November 01-03, 2019

Paper Submission - http://www.socio.org.uk/rtis/paper-submission/
Contact: rtis@socio.org.uk

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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: Anish Jindal <anish.jindal@THAPAR.EDU>
Sent: March 22, 2019 6:26 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: 3rd IEEE International Workshop on Secure and Sustainable Computing and Communication Technologies for Smart Communities

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3rd IEEE International Workshop on Secure and Sustainable Computing and Communication Technologies for Smart Communities
<https://sites.google.com/view/picom2019/committee?authuser=0>*
August 5-8, 2019
Fukuoka, Japan
https://sites.google.com/view/picom2019/home

*in conjunction with 17th IEEE International Conference on Pervasive Intelligence and Computing (PICom 2019)
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Scope

Internet of Things (IoT) has emerged as a revolution for the development of futuristic smart cities. The large volume of seamless data generated by various IoT-based devices deployed in smart communities need to be efficiently collected, analyzed, processed using various tools and techniques in smart ecosystem and then transmitted over the conventional communication channel. Despite of all the advancement in communication protocols and revolution in the computing technologies, it is still a challenge to handle the requirements of IoT infrastructure in smart communities using traditional technological architectures. By 2020, fifth generation (5G) wireless communications network is expected to become as an essential unifying fabric to connect billions of smart devices in IoT ecosystem to reshape industries and transform the world. Therefore, to cope with the technical requirements of the IoT ecosystem, a paradigm shift from conventional technologies to new and novel solutions is essential.
Moreover, in such a dynamic IoT based environment, security and privacy are two most essential requirements. The advent of new solutions may lead to more security and cryptographic challenges. Apart from this, the sustainability and reliability of these solutions is also an important concern. Hence, most of the recent research is focussed on the development of secure and sustainable technologies and techniques which meet the requirements of ubiquitous IoT ecosystem.

This workshop/special session aims to provide a platform for researchers, academicians and industrial technocrats to emphasize on the latest secure and sustainable computing and communication solutions and techniques for IoT.

Topics of Interest

The topics of interest in this workshop/special session include, but are not limited to:

- Emerging solutions for amalgamation of 5G with Intelligent IoT
- Spectrum sensing, management and mobility handling in smart communities
- Routing Protocol for intelligent communications in smart communities
- Intelligent traffic prediction and allocation strategies for mobile IoT.
- Emerging communication and networking technologies in smart communities
- Software Defined Networks and Network Functions Virtualization.
- Novel technologies for low latency transmission between IoT devices.
- Artificial intelligence, machine/deep learning solutions in smart communities
- Big data analytics and processing in smart communities
- Location-awareness applications and solutions in smart communities
- Standardization aspects and regulatory framework for IoT in smart communities
- Security architectures and access control mechanisms in smart communities
- Authentication and authorization for distributed caching in mobile IoT.
- Cryptographic protocols against internal attacks in smart communities
- Information sharing, data protection and privacy protection in smart communities
- Trusted computing platform and models for smart communities
- Lightweight blockchain solutions for IoT ecosystem.
- Cloud/edge/fog computing paradigms for IoT ecosystem.
- Sustainable and energy efficient solutions in smart communities
- Quality of service and Quality of Experience for IoT enabled applications.

Submission Instructions

Papers submitted to the symposium should be written in English conforming to the IEEE Conference Proceedings Format. The paper should be submitted through the Edas submission system. Prospective authors are invited to submit full papers up to 6 pages in length and authors are allowed to purchase up to 2 extra pages. Accepted and presented papers will be included into the IEEE explore. Authors of accepted papers, or at least one of them, are requested to register and present their work at the conference, otherwise their papers will be removed from the digital libraries of IEEE after the conference.

All papers to the workshop must be submitted through EDAS, using the EDAS link (https://edas.info/newPaper.php?c=25736&track=96227)

Important Dates

Regular Paper Submission Due:* April 20, 2019*

Authors Notification: May 25, 2019

Author/Paper Registration: June 15, 2019

Camera-ready Submission: June 20, 2019

Workshop Time: Aug 5-8, 2019

Workshop Organizing Chairs

Dr. Neeraj Kumar (Thapar Institute of Engineering and Technology, Patiala (Punjab), India)

Dr. Ranbir Singh Batth (Lovely Professional University, India)

Dr. Gagangeet Singh Aujla (Chandigarh University, Mohali (Punjab), India)

Prof. (Dr.) Valentina E. Balas (Automation and Applied Informatics, University of Arad, Romania)

Workshop Publicity Chair

Dr. Anish Jindal (Lancaster University, UK)

Please also forward this CFP to anyone who would find it interesting.

Best regards,
Workshop Organizers.

_____

From: Chhagan Lal <chhagan@MATH.UNIPD.IT>
Sent: March 22, 2019 11:15 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [IoT-SECFOR 2019] CFP - 3rd International Workshop on Security and Forensics of IoT

[Apologies if you got multiple copies of this email. If you'd like to opt out of these announcements, information on how to unsubscribe is available at the bottom of this email.]

IoT-SECFOR 2019 - CALL FOR PAPERS
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3rd International Workshop on Security and Forensics of IoT https://www.ares-conference.eu/workshops/iot-secfor-2019/
to be held in conjunction with ARES 2019 August 26 – August 29, 2019 Canterbury, Kent / UK
==
Internet-of-Things (IoT) are becoming increasingly prevalent in our society, as the backbone of interconnected smart homes, smart hospitals, smart cities, smart wearables and other smart environments.
IoT leverage embedded technologies equipped with sensors and communication capabilities; they are able to broadcast their presence to other objects and interact with them using different protocols.
Gartner predicts that, by 2020, 21 billion IoT endpoints will be in use. Along with usability, efficiency, and cost savings benefits, increasingly, the use of IoT pose security risks and raise challenges to digital forensics. The massive DDoS caused by the Mirai botnet which exploited IoT devices is a recent example. This workshop aims to bring together researchers and practitioners from both communities – security and forensics – to discuss problems and solutions regarding IoT.

TOPICS OF INTEREST COMPRISE BUT ARE NOT LIMITED TO:

Adaptive security in IoT
Challenges related to IoT forensics and security Coexistence of different security protocols in IoT Covert communication in IoT Cryptography protocols and algorithms for IoT Cybercrimes exploiting IoT Data analysis of IoT for forensic investigation Data ownership and attack simulation methods for IoT networks and devices Identification/preservation of evidence for digital forensic investigations involving IoT Intrusion and malware detection/prevention technologies for IoT Legal and human aspects of security and forensics of IoT Models for risk identification and assessment in IoT networks Privacy and trust in IoT Security and forensic aspects in Cyber physical IoT systems Security applications and management of IoT Security architectures and protection mechanisms for IoT Security in Wireless Sensor Networks applied to IoT Threat models and attack strategies for IoT
==
IMPORTANT DATES:

Submission Deadline   April 30, 2019
Author Notification   June 10, 2019
Proceedings Version   June 23, 2019
Conference   August 26 – August 29, 2019
==
WORKSHOP CHAIRS:

Virginia N. L. Franqueira, University of Derby, UK Pedro Inácio, Universidade da Beira Interior, PT Aleksandra Mileva, University of Goce Delcev, MK Mauro Conti, University of Padua, IT Ville Leppänen, University of Turku, FI Raul H. C.

Lopes, Brunel University, JISC & CMS/CERN, UK Asma Adnane, Loughborough University, UK Xiaojun Zhai, University of Essex, UK ==

PUBLICITY CO-CHAIRS:

Chhagan Lal, University of Padua, IT
Chia-Mu Yu, National Chung Hsing University, TW
==

PC COMMITTEE:

Alberto Compagno, Cisco Systems, FR
Chaker Abdelaziz Kerrache, Université Amar Telidji de Laghouat, DZ Diogo Fernandes, PepsiCo, PL Henrique Santos, University of Minho, PT João Vilela, University of Coimbra, PT Judith Rossebo, ABB AS, NO Katinka Wolter, Freie Universität Berlin, DE Miguel Pardal, University of Lisbon, PT Moreno Ambrosin, Intel Labs, US Patrick Ekdahl, Ericsson AB, SE Sampsa Rauti, University of Turku, FI Savio Sciancalepore, Hamad bin Khalifa University, QA Seppo Virtanen, University of Turku, FI Simona Bernardi, Centro Universitario de la Defensa, ES Steffen Wendzel, Worms University of Applied Sciences, DE ==

SUBMISSION:
The submission guidelines can be found at https://www.ares-conference.eu/conference/submission/ (6-8 pages, a maximum of 10 pages is tolerated).
Double blind review: All papers submitted to EasyChair should be anonymized (no names or affiliations of authors should be visible in the paper) with no obvious self-references.
Submission of a paper implies that should the paper be accepted, at least one of the authors will register and present the paper in the workshop.
Proceedings will be published by ACM.

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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: Ruidong Li <lrd@NICT.GO.JP>
Sent: March 23, 2019 5:20 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Deadline extended to Apr. 3] The First International Workshop on Network Meets Intelligent Computations (NMIC)

The First International Workshop on Network Meets Intelligent Computations (NMIC)

https://www.eee.hku.hk/~kcleung/service/NMIC/2019/cfp.html

Organized in conjunction with
The 39th IEEE International Conference on Distributed Computing Systems (ICDCS 2019), 7 July - 10 July 2019, Dallas, Texas, USA

The new computation technologies, such as big data analytics, modern machine learning technology, artificial intelligence (AI), blockchain, and security processing, have the great potential to be embedded into network to enable it to be intelligent and trustworthy. On the other hand, Information-Centric Networking (ICN), software-defined network (SDN), network function virtualization (NFV), network slicing, and data center network have emerged as the novel networking paradigms for fast and efficient delivering and retrieving data. Against this backdrop, there is a strong trend to move the computations from the cloud to not only the edges but also the resource-sufficient networking nodes, which triggers the convergence between the emerging networking concepts and the new computation technologies.

The ultimate goals for networking researches include intelligence, trust, and efficiency, which can be enhanced by or benefit for the intelligent computations. There are many open challenges for the emerging network concepts to meet the intelligent computations: what computations should be embedded; which node should be enforced with the computation; how can the computations, such as big data analytics, security, AI, machine learning, blockchain, be seamlessly embedded into the network and enable it to be efficient, trustworthy and accountable; how to fast locate the required and suitable computation nodes; how to efficiently transfer data through series of computation nodes; how to efficiently collect and process the big networking data; how to design networking architectures and protocols to easily support the efficient and diverse computations; how to achieve ultra-low latency communications with distributed computations; and how to migrate from the Internet to the computation- enabled network.

The NMIC workshop 2019 solicits the papers that address the technical challenges and applications of the distributed computations for networking, the intelligent computations supported by the novel networking technologies, and the enforcement of series of computations.
The areas of interests include, but are not limited to, the following:

  Networking architecture and protocols for integrating caching, computation, and communications
  Machine learning, data mining and big data analytics in networking
  In-network computation for future networks, inter-data center networking and 5G
  Information-centric networking with/for computations
  Intelligent Internet edge integrating edge, fog, and mobile edge computing with networking
  Intelligent service function/computation chaining
  Security, privacy, trust, accountability for/with intelligent computation networking
  Collection and processing for big network data
  Distributed computations for network anomaly detection and security
  Integrating Blockchain with networking
  Network function virtualization, software-defined network, and network slicing for distributed computations
  Networking computations for big data, streaming, IoT, and AR/VR

In-network data computations for network measurement and management
Distributed artificial intelligence with/for networking
Data modelling and applications of networking
Big data networking in healthcare, V2V, smart cities, industry and other applications

Selected papers will be recommended to EURASIP Journal on Wireless Communications and Networking or IEEE Network Magazine for potential publications.

Submission Procedure

All submissions should follow the IEEE 8.5? x 11? Two-Column Format.
Each submission can have up to 6 pages. Authors of accepted papers are expected to present their papers at the workshop.

Submission link: https://easychair.org/cfp/ICDCS2019
Submission Method
1. Click the ICDCS 2019 CFP webpage: https://easychair.org/cfp/ICDCS2019
2. Click the submission link
3. Login and then click "enter as an author"
4. Select "Network Meets Intelligent Computations"

Committee:

Technical Program Chairs:
Dijiang Huang, Arizona State University, USA Ruidong Li, National Institute of Information and Communications Technology (NICT), Japan Michele Nogueira, Federal University of Paranï¿½, Brazil

Web Chair
Ka-cheong Leung, Hongkong University

Publicity Chair
Moayad Aloqaily, Gnowit Inc. Ottawa, Canada Ouns Bouachir, Zayed University, UAE

Steering Committee:
Jie Li, Shanghai Jiao Tong University, China Nirwan Ansari, New Jersey Institute of Technology, USA Hitoshi Asaeda, NICT, Japan Xiaoming Fu, University of Gottingen, Germany

Important Dates

New Paper submission deadline: April 3, 2019 Author notification: April 25, 2019 Camera ready: May 10, 2019
Conference and Workshops: July 7-10, 2019

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From: Gidlund Mikael <mikael.gidlund@MIUN.SE>
Sent: March 23, 2019 2:55 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] Call for WIP papers

Apologies for the multiple copies.

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    * Deadline for submission of Work-in-Progress papers: April 1, 2019<calendar:T2:April%201,%202019> *
            CALL FOR WORK-IN-PROGRESS PAPERS

        WFCS 2019 - a historical prestigious conference

            Factory Communication Systems
        15th IEEE International Workshop
        May 27 - May 29, 2019<calendar:T6:May%2027%20-%20May%2029,%202019>, Sundsvall, Sweden

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Conference web site: http://wfcs2019.com

Submission web site: https://easychair.org/conferences/?conf=wfcs2019

The WFCS workshop is the largest IEEE technical event specially dedicated to industrial communication systems. The aim of this workshop is to provide a forum for researchers, practitioners and developers to review current trends in this area and to present and discuss new ideas and new research directions.

WiP submissions:
WFCS 2019 promotes Work-in-Progress Papers (WiP) limited to 4 double-column pages.
WiP papers enable authors to share late-breaking results, with emphasis on the novelty of the work, rather than the completeness.

Important dates to know before WFCS 2019:
WiP papers:
Submission deadline: April 1, 2019<calendar:T2:April%201,%202019>
Notification for acceptance: April 30, 2019<calendar:T2:April%2030,%202019>
Deadline for final manuscript: May 6, 2019<calendar:T2:May%206,%202019>
Conference: May 27-29, 2019

Topics of interest include, but are not limited to:

INDUSTRIAL COMMUNICATION SYSTEMS AND SOLUTIONS:
Fieldbus technologies; real-time Ethernet; industrial Ethernet; wired, wireless and hybrid industrial networks; Industrial Wireless Sensor/ Actuator Networks (IWSANs); Time Sensitive Networks (TSN); Time Triggered (TT) systems and protocols; real-time communications; time synchronization for industrial networks; Coexistence and interference management in industrial wireless networks; Integration in Industrial Systems; Industrial network interoperability.

INDUSTRIAL CYBER-PHYSICAL SYSTEMS (ICPS):
ICPS communication architectures; ICPS Technologies for interoperability; Connectivity between OT and IT; networked embedded systems; Cooperative industrial systems; Location awareness and mobility management; Multi-agent industrial systems; ICPS Applications.

INDUSTRIAL NETWORK PERFORMANCE EVALUATION:
Industrial network protocol analysis tools; industrial network configuration and debug tools; industrial network management tools; Methods and techniques for industrial network performance assessment; Measurement issues in Industrial Internet of Things; Industrial network equipment characterization; In-service testing; Industrial Communication Protocol analysis; Conformance and interoperability testing of Industrial networks.

INDUSTRIAL NETWORK SAFETY AND SECURITY:
Hhigh dependability industrial networks; mixed criticality systems; fault-tolerance; risk analysis and assessment; safety and certification; Internet and Intranet access; cyber-security; protection and countermeasures; industrial firewalls and intrusion detection systems (IDSs); formal description techniques and verification of industrial protocol and applications; dissemination, identification, and defense against industrial malware/ botnets.

INDUSTRIAL INTERNET:
Industrial Internet of Things; Communication solutions for Industry
4.0 applications and scenarios; Networking systems for Industrial big data analytics and metrics; Industrial cloud and edge computing network solutions; industrial middleware solutions; Software-defined networks (SDN) and Network Function Virtualization (NFV) for Industrial communications; web-based setup; configuration and maintenance; Applications, testbeds and case studies.

GREEN COMMUNICATION IN INDUSTRY:
Energy-efficient, resource-saving and environment-friendly networking; energy-saving and energy-harvesting techniques; green design; Green Scheduling and Resource Allocation for Industrial Communications.

RECENT ADVANCES IN RESEARCH DMAINS WITH SIMILAR COMMUNICATION REQUIREMENTS:
Smart grid communications; 5G and industrial requirements; smart home and building automation networks; Intelligent Transportation Systems (ITSs); vehicle to X networking; smart cities connectivity; Wireless Health Care (WHC).

Submission of papers
Manuscripts must be submitted electronically in PDF format, according to the instructions available on the conference web site.
Contributions must contain original unpublished work. Papers that have been concurrently submitted to other conferences or journals (double
submissions) will be automatically rejected.

Paper acceptance
Each accepted paper must be presented at the conference by one of the authors. The final camera-ready manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

ORGANIZATION COMMITTEES:
GENERAL CO-CHAIRS:
Mikael Gidlund, Mid Sweden University, Sweden Thilo Sauter, Danube University Krems, Austria

PROGRAM CO-CHAIRS:
Emiliano Sisinni, University of Brescia, Italy Gerhard P. Hancke Jr, City University of Hong Kong, Hong Kong

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PUBLICATION CHAIRS:
Ulf Jennehag, Mid Sweden University, Sweden Aamir Mahmood, Mid Sweden University, Sweden

LOCAL ORGANIZING COMMITTEE:
Christine Grafström, Mid Sweden University, Sweden Stefan Forsström, Mid Sweden University, Sweden Patrik Österberg, Mid Sweden University, Sweden

CONTACTS AND INFORMATION
email: event@miun.se<mailto:event@miun.se>

   * Deadline for submission of Work-in-Progress papers: April 1, 2019<calendar:T2:April%201,%202019> *

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From:	Waleed Smari <smari@ARYS.ORG>
Sent:	March 23, 2019 6:20 PM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] IoT-HPC 2019 - Internet of Things and HPC: Devices, Networks, and Applications

Please Post. Thank you.

*Special Session on Internet of Things and HPC: * *Devices, Networks, and Applications ** **(IoT-HPC 2019)*
http://hpcs2019.cisedu.info/2-conference/special-sessions/session09-iot-hpc

CALL FOR PAPERS & PARTICIPATION

As part of
The 17th International Conference on High Performance Computing & Simulation (HPCS 2019)
http://hpcs2019.cisedu.info/ or http://conf.cisedu.info/rp/hpcs19

July 15 – 19, 2019
Dublin, Ireland

Paper Submission Deadline: 01 April 2019 - Extended

Submissions could be for full papers, short papers, poster papers, or posters

PURPOSE AND SCOPE
The convergence of high performance computing systems with cloud
computing and big data paradigm is already having major impact on
societies and individuals alike. IoT devices, networks and systems are
contributing to this phenomenon. Consequently, it is important to
investigate the relationship between these new technologies and systems
and anticipate future solutions, trends and innovations. Such
developments may call for new architectures, designs, algorithms,
services and tools that will harness the power and capabilities of
IoT-based solutions interfaced with cloud, high density data centers and
HPC facilities.

It is estimated that the number of internet-connected things will reach
about 40 billion by 2020. It is also projected that the amount of global
information handled online will be more than 45 zettabytes around the
same time of having the first exascale machine. These IoT devices
provide critical real time information, identify potential problems
almost instantly, and act or assist to remedy them using automation and
autonomy strategies. However, traditional data centers and HPC systems
are not capable of matching the kind of exponential growth that is
predicted for the Internet of Things and Clouds. That is where the value
of a modular approach to enable the scalability of high performance
computing systems must be attained, simultaneously with the developments
toward exascale age.

The IoT-HPC special session aims at presenting new and original contributions focusing on the application of IoT based systems and solutions that generate huge amount of raw data and incorporate Cloud and high performance computing technologies. We invite papers tackling the design, architecture, storage, algorithms and processing at all levels. All application areas are welcomed.

*The IoT-HPC topics include (but are not limited to) the following: *

   IoT Foundations, Principles, Design and Technologies
   Federated IoT Platforms, Devices and Services
   IoT, Data Centers and High-Performance Computing
   Integration of IoT with Cloud and Fog computing
   Data centers management software
   Interoperability solutions for IoT systems and platforms
   Energy aware architecture and protocols for IoT assisted systems
   Autonomous and self-organizing IoT systems
   Modeling and simulation of large-scale IoT based scenarios
   Security, privacy and trust for IoT Devices and Platforms
   Blockchain schemes and the Internet of Things (IoT) systems
   IoT system realization and deployment
   Personal wearables
   Smart home appliances
   IoT enabled smart utility grid architectures and models
   IoT domain applications in healthcare, disasters, security, smart buildings and cities, education, industry, manufacturing, logistics, intelligent transportation, and more
   Case studies and prototypes

*Please refer to the web site for more details. *

IMPORTANT DATES

   Paper Submissions: -- 01 April 2019 - Extended
   Acceptance Notification: ----------------------------------- 22 April 2019
   Camera Ready Papers and Registration Due by: -------- 08 May 2019
   Conference Dates: -- 15–19 July 2019

SPECIAL SESSION ORGANIZERS
*Dirk Pesch *
   School of Computer Science and IT
University College Cork (UCC), Cork, Ireland
Email: d.pesch@cs.ucc.ie

*Antonio J. Jara *
University of Applied Sciences Western Switzerland
Sierre, Vallais, Switzerland

Email: antonio.jara@hevs.ch, jara@ieee.org

*Didier El Baz *
LAAS-CNRS Distributed Computing and Asynchronism Team (CDA)
Toulouse, France
Email: elbaz@laas.fr

For information or questions about Conference's paper submission,
tutorials, posters, workshops, special sessions, exhibits, demos, panels
and forums organization, doctoral colloquium, and any other information
about the conference location, registration, paper formatting, etc.,
please consult the Conference's web site at URL:
http://hpcs2019.cisedu.info/ or http://conf.cisedu.info/rp/hpcs19 or
contact one of the Conference's organizers.

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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: Peter Mueller <pmu@ZURICH.IBM.COM>
Sent: March 24, 2019 2:57 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] CFP: The 2019 IEEE International Conference on Blockchain (Blockchain-2019) - Due date 1. April 2019

Call for Papers

The 2019 IEEE International Conference on Blockchain (Blockchain-2019) http://www.blockchain-ieee.org/ Atlanta, USA, July 14-July 17, 2019

Introduction
As a promising technique to achieve decentralized consensus, blockchain has been successfully applied into digital currency, e.g., bitcoin, for serving as a public ledger for transactions. Its secure design for supporting a distributed computing system with high fault tolerance is attracting wide attention all over the world. Blockchain has a great potential to create new foundations for our socio-economic systems by efficiently establishing trust among people and machines, reducing cost, and increasing utilization of resources. On one hand, blockchain will play an important role for secure decentralization in such emerging fields as Internet of Things, Cyber Physical Systems, edge computing, social networking, crowdsourcing and next generation wireless communications, and even more other fields. On the other hand, its advance should be further evolved in terms of scalability, privacy, efficiency, flexibility, availability and high dependability.

Following the great success of IEEE Blockchain 2018,held in July 30 – August 03, 2018, in Halifax, Canada, the 2019 IEEE International Conference on Blockchain (Blockchain-2019) will provide a high-profile, leading-edge forum for researchers, engineers, and practitioners to present latest advances and innovations in key theories, infrastructure, schemes, and significant applications for the blockchain, as well as to identify emerging research topics and define the future.

Topics
The emergence and popularity of blockchain techniques will significantly change the way of digital and networking systems' operation and management. In the meantime, the application of blockchain will exhibit a variety of complicated problems and new requirements, which brings more open issues and challenges for research communities.

IEEE Blockchain-2019 will be held on July 14 - July17, 2019, in Atlanta, USA. The goal of this conference is to promote community-wide discussion identifying the advanced applications, technologies and theories for blockchain. We seek submissions of papers that invent novel techniques, investigate new applications, introduce advanced methodologies, propose promising research directions and discuss approaches for unsolved issues.

Topics of interest include, but are not limited to:
- Theories of blockchain and distributed ledger technology
- Distributed consensus and fault tolerance mechanisms
- Security, privacy and trust of blockchain and distributed ledger technology
- Decentralization, scalability, and security tradeoff
- Performance analysis and optimization
- Simulation and performance evaluation techniques
- Smart contract and chain code
- Applications and services with blockchain and distributed ledger technology
- Protocols and algorithms based on blockchain
- Blockchain in the Internet of things (IoT)

- Blockchain in cyber physical systems
- Blockchain in social networking
- Blockchain in supply chain management
- Blockchain in agriculture
- Blockchain in connected and autonomous vehicles
- Blockchain in crowdsourcing and crowdsensing
- Blockchain in mobile cellular networks
- Blockchain in edge and cloud computing

Submissions
All papers need to be submitted electronically through the conference website
(https://edas.info/newPaper.php?c=25416) 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 8 pages inIEEE Computer Society proceedings format (or up to 10 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 assessedby at least three reviewers. All submitted papers will be judged through double-blind reviews, where the identities of the authors are withheld from the reviewers. As an author, you are required to preserve the anonymity of your submission,while at the same time allowing the reader to fully grasp the context of related past work, including your own. Papers that do not conform to our double-blind submission policies will be rejected without review.

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. Blockchain 2018 reserves the right to exclude a paper from distribution after the conference (e.g., removal from the digital library andindexing services), if the paper is not presented at the conference. All accepted papers will be published in IEEE CPS proceedings (EI Indexed) and collected by IEEE Xplore Digital Library. Two outstanding papers will be selected to receive the Best PaperAwards.

Journal Special Issues
- ACM Transactions on Internet Technology Special Issue: Decentralized Blockchain Applications and Infrastructures for Next Generation Cyber-Physical Systems https://toit.acm.org/pdf/ACM-ToIT-CfP-Decentralized_Blockchain_Applications.pdf

- Digital Communications and Networks
Special Issue: TBD
Publisher: Elsevier, SCI indexed in 2019

- Transactions on Blockchain Technology and Applications (
http://vdlt.io/tIndex.html)
Special Issue: Advances in Blockchain and Internet-of-Things

- EURASIP Journal on Wireless Communications and Networking Special Issue: Human-centered Computing in Cloud / Edge / Fog https://jwcn-eurasipjournals.springeropen.com/human-centered-computing
Publisher: Springer, IF = 2.407

- EURASIP Journal on Wireless Communications and Networking Special Issue: Multi-modal Sensor Data Fusion in Internet of Things https://jwcn-eurasipjournals.springeropen.com/multi-modal-sensor
Publisher: Springer, IF = 2.407

- IET Cyber-Physical Systems: Theory & Applications Special Issue: Advanced Technologies for Cyber Physical Systems
Publisher: IET

- IEEE Access
Special Section on Deep Learning: Security and Forensics Research Advances and Challenges
Publisher: IEEE, IF = 3.557

- Sensors
Special Issue: IoT-Enabled Sensor Networks: Vision and Challenges
https://www.mdpi.com/journal/sensors/special_issues/IoT_SensorNet
Publisher: MDPI, IF = 2.475

- Remote Sensing
Special Issue: Intelligence Computing Paradigms with Remote Sensing Networks in Water Hydrology
https://www.mdpi.com/journal/remotesensing/special_issues/water_Computational

Publisher: MDPI, IF = 3.406

- Journal of Systems Architecture (CCF B) Special Issue: Dependable Cyber Physical Systems (SI: DCPS19)
Publisher: Elsevier, IF = 0.913
https://www.journals.elsevier.com/journal-of-systems-architecture/call-for-papers/special-issue-on-dependable-cyber-physical-systems-sidcps19

Important Dates
Workshop Proposal Due: January 05, 2019
Paper Submission Deadline: Extended to April 1, 2019
Author Notification: April 07, 2019
Final Manuscript Due: May 02, 2019

Organization Committee
General Chairs
F. Richard Yu, Carleton University, Canada Dusit Niyato, NTU, Singapore

General Co-chairs
Peter Müller, IBM Research Zurich, Switzerland Pierangela Samarati, Universita` degli Studi di Milano, Italy

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From:	Qin Liu <gracelq628@126.COM>
Sent:	March 24, 2019 9:38 PM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] TrustData 2019 CFP: Deadline Extended to March 31

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We apologize if you receive multiple copies of this TrustData 2019 CFP.
We appreciate your great help if you forward this TrustData 2019 CFP to your colleagues and friends.
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Call for Papers for the 10th International Workshop on Trust, Security and Privacy for Big Data (TrustData 2019)

Venue & Dates:
Atlanta, USA, July 14-17, 2019
Conference Website:
http://www.spaccs.org/trustdata2019/

Introduction
The proliferation of new technologies such as Internet of Things and cloud computing calls for innovative ideas to retrieve, filter, and integrate data from a large number of diverse data sources. Big Data is an emerging paradigm applied to datasets whose volume/velocity/variability is beyond the ability of commonly used software tools to manage and process the data within a tolerable period of time. More importantly, Big Data has to be of high value, and should be protected in an efficient way. Since Big Data involves a huge amount of data that is of high-dimensionality and inter-linkage, existing trust, security, and privacy measures for traditional databases and infrastructures cannot satisfy its requirements. Novel technologies for protecting Big Data are attracting researchers and practitioners with more and more attention.

Scope and Interests
TrustData2019 is a part of SpaCCS 2019 (http://cse.stfx.ca/~cybermatics/2019/spaccs/), 12th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage. Topics of interest include, but are not limited to:

Trust Track
(1) Trust semantics, metrics, and models for Big Data
(2) Trust management and evaluation for Big Data
(3) Trusted systems, software, and applications for Big Data
(4) Trusted platform implementation technologies for Big Data
(5) Information quality/trustworthiness for Big Data
(6) Provenance of content for Big Data
(7) Trustworthiness of ratings/recommender systems for Big Data

Security Track
(1) Security model and architecture for Big Data

(2) Data mining security for Big Data
(3) Software and system security for Big Data
(4) Intrusion detection for Gigabit Networks
(5) Crypt!
 ography and Big Data
(6) Visualizing large scale security data
(7) Threat detection using Big Data analytics
(8) Human computer interaction challenges for Big Data security
(9) Data protection, integrity standards and policies
(10) Security and legislative impacts for Big Data
(11) Managing user access for Big Data
(12) Secure quantum communications

Privacy Track
(1) Privacy in Big Data applications and services
(2) Privacy in Big Data end-point input validation and filtering
(3) Privacy in Big Data integration and transformation
(4) Privacy in parallel and distributed computation
(5) Privacy in Big Data storage management
(6) Privacy in Big Data access control mechanisms
(7) Privacy in Big Data mining and analytics
(8) Privacy in Big Data sharing and visualization
(9) Big Data privacy policies and standards

Submission and Publication Information
The accepted papers from this workshop will be published by Springer Lecture Notes in Computer Science (EI indexed). 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 10 pages (or 14 pages with the over length charge), including tables, figures, references and appendixes, in Springer LNCS Format (http://www.springer.com/cn/computer-science/lncs/conference-proceedings-guidelines) with Portable Document Format (.pdf). Please submit your paper at https://www.easychair.org/conferences/?conf=trustdata2019. Authors (at least one) of any accepted paper are requested to register at the conference.

Important Dates
Paper Submission Deadline: March 31, 2019
Author Notification: April 15, 2019
Camera-Ready Paper Due: May   15, 2019
Conference Dates: July 14-17, 2019

General Chairs
Qin Liu, Hunan University, China
Arun Kumar Sangaiah, VIT University, India Wei Chang, Saint Joseph's University, USA

Pr!
 ogram Chairs
Jiankun Hu, University of New South Wales at the Australian, Australia Isaac Agudo, University of Malaga, Spain

Program Committee (In alphabetical order) Habtamu Abie, Norwegian Computing Center/Norsk Regnesentral, Norway Salima Benbernou, Universite Paris Descartes, France Christian Callegari, The University of Pisa, Italy Wei Chang, Saint Joseph's University, USA Anupam Chattopadhyay, Nanyang Technological University, Singapore John A. Clark, University of York, UK Alfredo Cuzzocrea, University of Trieste and ICAR-CNR, Italy Sabrina De Capitani di Vimercati, Università

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Webmaster
Panlin Hou, Hunan University, China

Contact
Please email inquiries concerning TrustData 2019 to:
Qin Liu: gracelq AT 126 DOT com
LQ's new homepage:
Homepage: http://res.hnu.edu.cn/hbs/lq/

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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:	Al-Sakib Khan Pathan <sakib.pathan@GMAIL.COM>
Sent:	March 25, 2019 1:30 AM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] CFP - The 9th ICTH'19 (The 9th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare) in Coimbra, Portugal, November 4-7, 2019

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CALL FOR PAPERS

Conference:
The 9th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH)
Date: November 4-7, 2019
Location: Coimbra, Portugal
Website: http://cs-conferences.acadiau.ca/icth-19/
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Important Dates

  - Workshop Proposals: May 30, 2019
  - Paper Submission Due: Jun 17, 2019
  - Author Notification: August 6, 2019
  - Final Manuscript Due: September 6, 2019

Publication

All ICTH 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 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. Selected papers will be invited for publication, in the special issues of:

   - International Journal of Ambient Intelligence and Humanized Computing (IF: 1.588), by Springer (
http://www.springer.com/engineering/journal/12652)
   - International Journal of Computing and Informatics (IF: 0.504), (
http://www.cai.sk/ojs/index.php/cai/index)
   - International Journal of E-Health and Medical Communications, by IGI
Global: (
http://www.igi-global.com/journal/international-journal-health-medical-communications/1158
)

ICTH 2019 will be held in conjunction with the 10th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN:
http://cs-conferences.acadiau.ca/euspn-19/). Papers on either completed or ongoing research are invited in the following and related tracks:
http://cs-conferences.acadiau.ca/icth-19/call-for-papers.html

ICTH 2019 will be held in the city of Coimbra. Coimbra is a historical city and a municipality in Portugal. Among the many archaeological structures dating back to the Roman era, when Coimbra was the settlement of Aeminium, are its well-preserved aqueduct and cryptoporticus. Similarly, buildings from the period when Coimbra was the capital of Portugal (from 1131 to
1255) still remain. During the late Middle Ages, with its decline as the political centre of the Kingdom of Portugal, Coimbra began to evolve into a major cultural centre. This was in large part helped by the establishment of the University of Coimbra in 1290, the oldest academic institution in the Portuguese-speaking world. Apart from attracting many European and international students, the university is visited by many tourists for its monuments and history. Its historical buildings were classified as a World Heritage site by UNESCO in 2013: "Coimbra offers an outstanding example of an integrated university city with a specific urban typology as well as its own ceremonial and cultural traditions that have been kept alive through the ages." Its atmospheric, beautiful historic core cascades down a hillside in a lovely setting on the east bank of the Rio Mondego: it's a multicoloured collage of buildings spanning nearly a millennium.

The conference take place in the environment of technology startups and laboratories within the installations of Instituto Pedro Nunes (IPN). IPN is created in 1991 through a University of Coimbra initiative, Instituto Pedro Nunes (IPN)2 is a private non-profit organization which promotes innovation and the transfer of technology, establishing the connection between the scientific and technological environment and the production sector. IPN mission is to leverage a strong university - enterprise relationship for the promotion of innovation, rigor, quality and entrepreneurship in private and public sector organizations by acting in three complementary areas: Research and technological development, consultancy and specialized services; Incubation and acceleration of businesses and ideas; Highly specialized training and promotion of science and technology. In the year of 2010, the Instituto Pedro Nunes incubator3 has been awarded as the Best Science-based Incubator in the world.

Topics of interest include, but are not limited to:

- Ambient Assisted Living for Elderly Care
- Ambient Intelligence and Intelligent Service Systems
- Analysis and Evaluation of Healthcare Systems
- Clinical Data and Knowledge Management
- Cloud Computing for Healthcare
- Collaboration Technologies for Healthcare
- Context-aware Applications for Patient Monitoring and Care
- Data mining Techniques and Data Warehouses in Healthcare
- Data Visualization
- Decision Support Systems in Healthcare
- Design and Development Methodologies for Healthcare Systems
- Diagnostic and Therapeutic Technologies in Healthcare
- Digital Hospitals
- Drug Information Systems
- E-health & m-health
- Electronic Health Records (EHR) & Personal Health Records (PHR)
- Evidence Based Medicine (EBM)
- Healthgrids
- Health Portals
- Information and Knowledge Processing in Healthcare Environments

- Middleware Support for Smart Homes and Intelligent Applications
- Quantified Self for Pervasive Healthcare
- Privacy, Confidentiality and Security Issues in Healthcare Systems
- Related Real World Experimentations and Case Studies in Healthcare
- RFID Solutions for Healthcare
- Smart Homes and Home Care Intelligent Environments
- Telemedicine and Health Telematics
- Ubiquitous and Pervasive Computing in Healthcare
- Usability & Socio Technical studies
- User Interface Design for Healthcare Applications
- Virtual and Augmented Reality in Healthcare
- Virtual Environments for Healthcare

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  http://cs-conferences.acadiau.ca/icth-19/program-committees.html

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  Abdul Roudsari, University of Victoria, Canada ================= Regards, Sakib Publicity Co-Chair

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Al-Sakib Khan Pathan, Ph.D., SMIEEE
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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:	Rodolfo W. L. Coutinho <rwlc@DCC.UFMG.BR>
Sent:	March 25, 2019 2:05 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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tccc-announce@comsoc.org
https://comsoc-listserv.ieee.org/

From: Claudio Fiandrino <claudio.fiandrino@IMDEA.ORG>
Sent: March 25, 2019 4:14 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [CFP] One week to deadline: The 9th Workshop on Management of Cloud and Smart City Systems (MoCS), in conjuction with IEEE ISCC'19

[Please accept our 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.

** IMPORTANT DATES **

Submission Deadline: March 31st
Notification Acceptance: May 3rd
Camera-Ready due: May 10th

** 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
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** 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

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Phone: (+34) 91 481 6932

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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:	Naercio Magaia <ndmagaia@FC.UL.PT>
Sent:	March 25, 2019 6:37 AM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] [DEADLINE EXTENDED] The 5th IEEE International Conference on Cloud and Big Data Computing (IEEE CBDCom 2019)

====================CALL FOR PAPERS============================

The 5th IEEE International Conference on Cloud and Big Data Computing (IEEE CBDCom 2019)

   http://cyber-science.org/2019/cbdcom/
    Fukuoka, Japan, August 5-8, 2019

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PAPER SUBMISSION DEADLINE EXTENDED: regular paper and poster submission due: APRIL 20th, 2019

INTRODUCTION
============
The IEEE International Conference on Cloud and Big Data Computing is a premier forum for researchers, practitioners and developers who are interested in cloud computing and big data to explore new ideas, techniques and tools, as well as to exchange experience. Besides the latest research achievements, the conference covers also innovative commercial data management systems, innovative commercial applications of cloud computing and big data technology, and experience in applying recent research advances to real-world problems.
IEEE CBDCom 2019 will be the fifth edition of the conference after the success of CBDCom 2015 in Beijing, CBDCom 2016 in Toulouse, CBDCom 2017 in San Francisco, and CBDCom 2018 in Guangzhou. It will continuously offer a platform for researchers to exchange novel studies, discuss important issues and explore key challenges in innovative cloud and big data for smarter world.

IEEE CBDCom 2019 will be held on August 5-8, 2019, co-located with IEEE CyberSciTech 2019, IEEE DASC 2019 and IEEE PICom 2019, in Fukuoka, Japan.

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IMPORTANT DATES
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Regular Paper Submission Due: April 20th, 2019
Poster Paper Due: April 20th, 2019
Authors Notification: May 25th, 2019
Camera-ready Submission: June 20th, 2019
Conference: August 5th-8th, 2019

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RESEARCH TRACKS
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The 2019 edition of IEEE CBDCom will be organized in research tracks. Topics of interest include, but are not limited to:

Track 1 - Data Science & Analytics
- Big Data Fundamentals & Novel Paradigms
- Big Data Algorithms, Applications & Services
- Big Data Mining & Analytics

- Big data Processing & Querying
- Big Data Visualization
- Big Data Computing & Recommendations

Track 2 - Big Data Infrastructure & Management
- Big Data Cloud, Grid, Stream Computing
- High Performance Platforms for Big Data
- NoSQL Data Stores & DB scalability
- Energy-Efficient Computing for Big Data
- Recommendation & Social Media Systems
- Big Data Availability & Reliability

Track 3 - Big Data Tools & Applications
- Complex Big Data Processing
- BD in Networks & Communications
- Big Data as a Service
- Data Warehousing over Big Data
- BD Machine & Deep Learning
- Innovative Applications & Experiences

Track 4 - Cloud Management & Virtualization
- Virtualization Technologies
- Cloud Computing Platforms
- Public, Private & Hybrid Clouds
- Green & Energy Management
- Cloudlet and Serverless Computing
- Resource Management, Storage & QoS

Track 5 - Cloud/Big Data Security, Privacy & Trust
- Security, Privacy & Reliability in Cloud & BD
- Dependable/Trustworthy Big Data Processing
- Security/Privacy/Trust as a Service
- Blockchain in Cloud and Big Data Application
- Cloud Attacks Detection and Prevention
- Ethic Issues in Cloud & Big Data

Track 6 - Cloud/Big Data for IoT & Smart City
- Smart Data & Smart Environments
- CBD for IoT & Cyber-Physical Systems
- RFID & Related Technologies for IoT
- M2M Communications and IoT
- IoT and Smart City Infrastructures
- Green Computing for Big Data & Smart City

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SUBMISSION
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Authors are invited to submit their original research work that has not previously been submitted or published in any other venue.
The link to EDAS submission system is the following:

https://edas.info/newPaper.php?c=25737

Papers should be prepared in IEEE CS Proceedings format.
IEEE formatting information:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

- Proposals for organizing tutorials, workshops and special sessions need to be submitted to the Tutorials, Workshops and Special Sessions Chairs, respectively. A proposal should include title, theme, scope and main presenters/organizers.
- Research paper (6-8 pages) should explore a specific technology problem and propose a complete solution to it, with experimental results.
- Works-in-Progess (WIP) (4-6 pages) papers are expected to present either work currently in progress or less developed but highly innovative ideas.
- Demo/Poster papers (2-4 pages) must describe working systems and be related to CBDCom. These systems may be innovative prototype implementations or mature systems that use related technology.

Some papers originally submitted as full papers can be accepted as short papers or posters during the review process. In such cases, the authors will need to reduce the paper accordingly when preparing the camera-ready version. At least one of the authors of any accepted paper is requested to register and present the paper at the conference.
All accepted papers in the main tracks and workshops will be published in an IEEE Computer Society proceedings (EI indexed).

========================
PUBLICATION HIGHLIGHTS
========================
All accepted papers in the main tracks, workshops, special sessions and demos/posters will be published in an IEEE Computer Society proceedings, indexed by
 - IEEE Xplore
- Scopus
- EI Engineering Index
- ACM Digital Library
- dblp
- Google Scholar

Extended version of the selected papers will be considered for publication in special issues of prestige journals (SCI/EI indexed).

Organizing Committees

Honorary Chairs
Hamido Fujita, Iwate Prefectural University, Japan Frank Hsu, Fordam University, USA

General Chairs
Anna Kobusińska, Poznań University of Technology, Poland Peng Li, The University of Aizu, Japan

General Executive Chairs
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Track 1. Big Data Science and Analytics
Burak Kantarci, University of Ottawa, Canada

Track 2. Big Data Infrastructure and Management Hao Wang, Norwegian University of Science & Technology, Norway

Track 3. Big Data Tools and Applications Dionisis Margaris, University of Athens, Greece

Track 4. Cloud Management, Virtualization and Service Tsozen Yeh, Fu Jen Catholic University, Taiwan

Track 5. Cloud/Big Data Security, Privacy and Trust Haiying (Helen) Shen, University of Virginia, USA

Track 6. Cloud/Big Data for IoT and Smart City Zhi Liu, Shizuoka University, Japan

Workshop Chairs
Yue-Shan Chang, National Taipei University, Taiwan Shengli Pan, China University of Geoscience, China

International Liaison & Publicity Chairs Naercio Magaia, University of Lisbon, Portugal Carlos Westphall, Federal University of Santa Catarina, Brazil Samia Bouzefrance, CNAM, France Michał Boroń, Poznań University of Technology, Poland Kai Cheng, Kyushu Sangyo University, Japan

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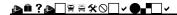
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Please visit the IEEE CDBCom 2019 website http://cyber-science.org/2019/cbdcom/
for the complete listing of organizing committee and TPC members.

_____

From: Biagio Cosenza <cosenza@TU-BERLIN.DE>
Sent: March 25, 2019 6:39 PM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Deadline extended to Apr.10] APPMM 2019: Int. Workshop on
                      Advances in Parallel Programming Models and Frameworks for the Multi-/Many-core
                      Era

CALL FOR PAPERS & PARTICIPATION

The 8th International Workshop on Advances in Parallel Programming Models and Frameworks for the Multi-/Many-core Era (APPMM 2019) http://hpcs2019.cisedu.info/2-conference/workshops/workshop06-appmm

As part of The 17th International Conference on High Performance Computing & Simulation (HPCS 2019)
http://hpcs2019.cisedu.info/ or
http://conf.cisedu.info/rp/hpcs19

July 15 – 19, 2019
Dublin, Ireland

Paper Submission Deadline: 10 April 2019 - Extended

Submissions could be for full papers, short papers, poster papers, or posters

SCOPE AND OBJECTIVES
With multi- and many-core based systems, performance increase on the
microprocessor side will continue according to Moore's Law, at least in
the near future. However, as the number of cores and the complexity of
on-chip memory hierarchies increases, performance limitations due to
slow memory access are expected to get worse, making it hard for users
to fully exploit the theoretically available performance. In addition,
the increasingly sophisticated design of compute clusters, based on the
use of accelerator components (GPGPUs by AMD and NVIDIA, Intel Xeon Phi,
integrated GPUs etc.) add further challenges to achieving efficient
programming of many-core-based HPC and high-end embedded systems.

Therefore, compute and data intensive tasks can only benefit from the
hardware's full potential, if both processor and architecture features
are taken into account at all stages - from the early algorithmic
design, via appropriate programming models, up to the final implementation.

The APPMM Workshop topics of interest include (but are not limited to)
the following:
- Novel programming models and associated frameworks, or extensions of
existing programming models, to ease offloading and parallelization of
computation to multi- and many-cores.
- Compiler, runtime and parallelization approaches to optimally exploit
specific features of heterogeneous hardware (e.g., hierarchical
communication layout, NUMA, scratchpad memory, accelerators, etc.) and

to maximize performance, energy and other relevant metrics in many-core operation.
- Many-Core Architectures for emerging scientific computing applications
- Architecture-assisted software design. Novel architectural concepts to boost software execution and to overcome scalability issues of current multi- and many-core systems. Hardware-assisted runtime environment services (e.g., synchronization, custom memory hierarchies, etc.)
- Concepts for exploiting emerging vector extensions of instruction sets.
- Many-core Hw/SW Design for Machine/Deep Learning processing and applications
- Software engineering, code optimization, and code generation strategies for parallel systems with multi- and many-core processors.
- Tools for performance and memory behavior analysis (including cache simulation) for parallel systems with multi- and many-core processors.
- Performance modeling and performance engineering approaches for multi-thread and multi-process applications.
- Application parallelization use cases, benchmarking and benchmark suites. Hardware-aware, compute- and memory-intensive simulations of real-world problems in computational science and engineering (for example, from applications in electrical, mechanical, civil, or medical engineering).
- Manycore-aware approaches for large-scale parallel simulations in both implementation and algorithm design, including scalability studies.

INSTRUCTIONS FOR PAPER SUBMISSIONS
You are invited to submit original and unpublished research works on above and other topics related to Many-core computing, modeling and algorithms. Submitted papers must not have been published or simultaneously submitted elsewhere until it appears in HPCS proceedings, in the case of acceptance, or notified otherwise. Submission can be for
- Regular papers, please submit a PDF copy of your full manuscript, not to exceed 8 double-column formatted pages per template, and include up to 6 keywords and an abstract of no more than 400 words. Additional pages will be charged additional fee. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and all authors email addresses. Please, indicate clearly the corresponding author(s) although all authors are equally responsible for the manuscript.
- Short papers (up to 4 pages), please submit a PDF copy of your full manuscript, not to exceed 4 double-column formatted pages per template, and include up to 6 keywords and an abstract of no more than 400 words. Additional pages will be charged additional fee. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and all authors email addresses. Please, indicate clearly the corresponding author(s) although all authors are equally responsible for the manuscript.
- Poster papers and Posters (please refer to http://hpcs2019.cisedu.info/1-call-for-papers-and-participation/call-for-posters for posters submission details) will also be considered.

Please specify the type of submission you have. Please include page

numbers on all preliminary submissions to make it easier for reviewers to provide helpful comments.

Submit a PDF copy of your full manuscript to the Workshop paper submission site at https://easychair.org/conferences/?conf=appmm2019 . Acknowledgment will be sent within 48 hours of submission.

Conference Policies
Only PDF files will be accepted, uploaded to the submission link above. Each paper will receive a minimum of three reviews. Papers will be selected based on their originality, relevance, significance, technical clarity and presentation, language, and references. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. At least one of the authors of each accepted paper will have to register and attend the HPCS 2019 conference to present the paper at the Workshop as scheduled. By submitting the paper to the HPCS conference, all authors agree to abide by all HPCS conference paper submission, publication and presentation policies as well as following ethical and professional codes of conduct, including those of the professional co-sponsoring organizations. For more information, please refer to the Authors Info and Registration Info pages.

Proceedings
Accepted papers will be published in the Conference proceedings. Instructions for final manuscript format and requirements will be posted on the HPCS 2019 Conference web site. It is our intent to have the proceedings formally published in hard and soft copies and be available at the time of the conference. The proceedings is projected to be included in the IEEE or ACM Digital Library and indexed in all major indexing services accordingly.

SPECIAL ISSUE
Plans are underway to have the best papers, in extended version, selected for possible publication in a reputable journal as special issue. Detailed information will soon be announced and will be made available on the conference website.

If you have any questions about paper submission or the Workshop, please contact the workshop organizers.

IMPORTANT DATES
    Paper Submissions: --------------------------------- 10 April 2019
    Acceptance Notification: ---------------------------- 24 April 2019
    Camera Ready Papers and Registration Due by: ---------- 08 May 2019
    Conference Dates: ------------------------------- 15–19 July 2019

WORKSHOP ORGANIZERS

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   Phone: +49 (0)30 314 24 294
   Email: cosenza@tu-berlin.de

International Program Committee:
All submitted papers will be rigorously reviewed by the workshop
technical program committee members following similar criteria used in
HPCS 2019 and will be published as part of the HPCS 2019 Proceedings.

Nicola Bombieri, University of Verona, Italy
Paolo Burgio, University of Modena and Reggio Emilia, Italy
Henk Corporaal, Eindhoven University of Technology, The Netherlands
Roberto Giorgi, University of Siena, Italy
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Peter Thoman, University of Innsbruck, Austria

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technical program committee members following similar criteria used in
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For information or questions about Conference's paper submission,
tutorials, posters, workshops, special sessions, exhibits, demos, panels

and forums organization, doctoral colloquium, and any other information
about the conference location, registration, paper formatting, etc.,
please consult the Conference's web site at URL:
http://hpcs2019.cisedu.info/ or http://conf.cisedu.info/rp/hpcs19 or
contact one of the Conference's organizers.

Thanks very much for your cooperation,
Ben Juurlink, Giuseppe Tagliavini, Jeronimo Castrillon, and Biagio Cosenza

_____

From: Raheeb Muzaffar <muzaffar@LAKESIDE-LABS.AT>
Sent: March 26, 2019 3:44 AM
To: tccc-announce@COMSOC.ORG
Subject: [TCCC-ANNOUNCE] [Extended deadline: April 13] 1st International Workshop on Internet of Autonomous Unmanned Vehicles (IAUV 2019)

[Apologies if you receive multiple copies]

Call for Papers for the 1st International Workshop on Internet of Autonomous Unmanned Vehicles (IAUV 2019)

In conjunction with the IEEE SECON 2019 (https://secon2019.ieee-secon.org/)

June 10, 2019, Boston, MA, USA

Website:http://iauv2019.loria.fr/

Extended submission deadline : April 13, 2019

Notification: May 05, 2019

Camera ready: May 15, 2019

Workshop Day: June 10, 2019

EDAS link for submissions:http://edas.info/N25887

Selected authors will be invited to submit an extended version of their work to the MDPI Special Issue on « UAV-Based Applications in the Internet of Things (IoT) », submission deadline July 15th, 2019.

GENERAL DESCRIPTION

Autonomous unmanned vehicle networks in civil applications are considered with increasing interest. Such networks are envisioned to consist of wireless sensors, robots and unmanned (aerial, ground, underwater) vehicles and are being used in environmental monitoring, border surveillance, network provisioning, delivery, construction, emergency or disaster assistance. The challenges in the design of these networks range from physical control of the vehicles, navigation, to communication limitations. Due to diverse and interdisciplinary nature of these challenges, algorithms and design principles proposed by networking, robotics, control theory, computer vision and artificial intelligence research communities will need to be utilized.

IAUV aims to bring together state-of-the-art contributions on the design, specification and implementation of architectures, algorithms and protocols for current and future applications of autonomous unmanned vehicle networks, with a special focus on unmanned aerial vehicle (UAV) or drone networks.

TOPICS

• UAV swarms

- Autonomous robot networks

- Modeling and simulation

- UAV-aided wireless sensor networks

- Optimal control of networked robots

- Ad hoc networks of drones

- Modeling and control of fleet of UAVs

- Self-organizing coordination and communication

- Energy-efficient and real-time communication protocols

- Bandwidth-efficient and delay-tolerant communication protocols

- Communication protocols for swarms of mobile robots

- Map exploration and pattern formation of multi-robot systems

- Task allocation

- Architectures and topology control

- Localization

- Quality of service, security and robustness issues

- Internet of Things (IoT) applications and prototypes

- Cooperative control of multiple UAVs

- Software-Defined Aerial Networks

- Context-awareness and decision making for UAV systems

- Path planning, and target tracking in autonomous unmanned vehicle networks

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SUBMISSION INSTRUCTION

All submitted papers will be judged based on their quality and relevance through peer reviewing. To submit your paper, it is required that the manuscript follows the standardIEEE camera-ready
<https://www.ieee.org/conferences/publishing/templates.html> format (double column, 10-pt font) and be submitted as PDF file (formatted for 8.5-11 inch paper) as well as the requirement set by the EDAS paper submission system. Submitted paper must be original and unpublished papers with no more than 6 pages, including bibliography.

The organizing committee of IAUV reserves the right to not review papers that either exceed the length specification or have been submitted or published elsewhere.

Submissions must include: title; abstract; keywords; authors and relative affiliations with email addresses. During the initial paper submission process via EDAS, the authors are required to make sure the PDF file and EDAS registration page of a paper have the same list of authors and paper title. Be certain to add all authors in EDAS during the initial paper submission process. Failure to comply with this rule may cause a paper to be withdrawn from the review process. Once reviewed the listing of authors connected to the paper can NOT be changed in the final manuscript.

All accepted papers of SECON (main program and workshops), after being presented onsite at the conference, will be included in the proceedings to be submitted for publication in IEEE Xplore®.

IMPORTANT DATES

Submission deadline: March 15, 2019

Notification: April 15, 2019

Camera ready: May 1, 2019

Workshop Day: June 10, 2019

ORGANIZING COMMITTEE

Program Chairs

• Enrico Natalizio, University of Lorraine, France (enrico.natalizio@loria.fr)

• Evsen Yanmaz, Ozyegin University (eyanmaz@alumni.cmu.edu)

• Sabato Manfredi, University of Naples "Federico II", Italy, (sabato.manfredi@unina.it)

Publicity Chair

• Raheeb Muzaffar, Lakeside Labs, Austria

Web Chair

• Nicola Roberto Zema, LRI – ROCS, Université Paris-Sud, France

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In compliance with data protection regulations, please write me if you would not like receive any further messages regarding the workshop.
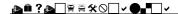
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Researcher

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Geschäftsführung:

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Univ.-Prof. Dr. Christian Bettstetter
Amtsgericht Klagenfurt, FN 306905g
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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 26, 2019 4:03 AM
To:	cfp
Subject:	[cfp] Fwd: [TCCC-ANNOUNCE] [Extended deadline: April 13] 1stInternational Workshop on Internet of Autonomous UnmannedVehicles (IAUV 2019)

Von: Raheeb Muzaffar <muzaffar@LAKESIDE-LABS.AT>
Gesendet: 26. März 2019 08:44:20 MEZ
An: tccc-announce@COMSOC.ORG
Betreff: [TCCC-ANNOUNCE] [Extended deadline: April 13] 1st International Workshop on Internet of Autonomous Unmanned Vehicles (IAUV 2019)

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are required to make sure the PDF file and EDAS registration page of a paper have the same list of authors and paper title. Be certain to add all authors in EDAS during the initial paper submission process. Failure to comply with this rule may cause a paper to be withdrawn from the review process. Once reviewed the listing of authors connected to the paper can NOT be changed in the final manuscript.

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- Evsen Yanmaz, Ozyegin University (eyanmaz@alumni.cmu.edu)

- Sabato Manfredi, University of Naples "Federico II", Italy, (sabato.manfredi@unina.it)

Publicity Chair

- Raheeb Muzaffar, Lakeside Labs, Austria

Web Chair

- Nicola Roberto Zema, LRI – ROCS, Université Paris-Sud, France

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In compliance with data protection regulations, please write me if you would not like receive any further messages regarding the workshop.

--
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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:	Cfp <cfp-bounces@ibr.cs.tu-bs.de> on behalf of Lars Wolf via Cfp <cfp@ibr.cs.tu-bs.de>
Sent:	March 26, 2019 9:40 AM
To:	cfp
Subject:	[cfp] Fwd: [TCCC-ANNOUNCE] Elsevier COMNET Special Issue on The Big Data Era in IoT-enabled Smart Farming: Re-defining Systems, Tools, and Techniques - Deadline: April 30

-------- Weitergeleitete Nachricht --------
Betreff: [TCCC-ANNOUNCE] Elsevier COMNET Special Issue on The Big Data Era in IoT-enabled Smart Farming: Re-defining Systems, Tools, and Techniques - Deadline: April 30
Datum: Tue, 26 Mar 2019 08:30:33 -0400
Von: Thomas Lagkas <tlagkas@IEEE.ORG>
Antwort an: Thomas Lagkas <tlagkas@IEEE.ORG>
An: tccc-announce@COMSOC.ORG

Please accept our apologies for cross-posting

Call For Papers
Special Issue (Computer Networks Journal - Elsevier) "The Big Data Era in IoT-enabled Smart Farming: Re-defining Systems, Tools, and Techniques" (BD-IoTFarm)

SI Website
https://www.journals.elsevier.com/computer-networks/call-for-papers/big-data-era-in-iot-enabled-smart-farming

Important dates
Paper submission: April 30, 2019
Notification of acceptance: June 30, 2019 Final revision: August 15,
2019 Publication date: Quarter 3, 2019

The continuous generation of data from multiple sources has created numerous opportunities in different domains including agriculture.
However, the state of the art in Smart Farming should be redefined and revisited since new technologies and tools are coming in the agriculture domain bringing novel and innovative paths for improving the resilience and the efficiency of agriculture. Smart Farming has started to be materialized and not being simply a vague futuristic concept, as different fields such as image processing and machine learning have found a prosperous area of application. Apart from the technical aspects that Smart Farming presents, it also affects the agricultural sector beyond the conventional farming activities, influencing a series of dependent industries, such as food supply chains, weather and climate change, natural resources management and environmental impact.
New and various technologies have invaded the agricultural sector as they can offer new and unprecedented opportunities. Smart Farming uses a combination of technological advances, such as sensors, drones, variable-rate application machinery, satellite navigation and positioning technology, and the Internet of Things (IoT), among others. All the aforementioned technologies produce a massive amount of data capable of changing the current status of the agriculture sector, but a series of effective actions have to be developed and established for their efficient exploitation. The Big Data era has arrived for the agriculture sector reflecting its changes to a numerous of research fields. The incorporation and the usage of Geographic Information System (GIS) in the agriculture sector takes place for at least a

decade as well as the adoption of sensors for monitoring reasons. Furthermore, driven by advanced GIS technologies, emerging image processing techniques adopt neural networks and deep learning approaches for providing new areas of application in the field of computer vision. Tasks such as crop identification and weed discrimination have become easier than ever thanks to the state-of-the-art classification algorithms. Apart from the advantages image processing techniques offer in the field of agriculture, other related areas have significantly benefited as well. Land mapping, insurance of animal feed quality, weather and climate change studies, grassland identification and earth observation are some of the areas where image processing techniques and algorithms have been successfully applied.

The farm industry and Smart Farming expand from the strict limits of the farm location and affect a series of related fields, such as supply chain management, food availability, biodiversity, farmers' decision making and insurance, environmental studies and various Earth sciences among others. All of the aforementioned fields have significant benefits when they follow a data-driven approach under the condition that the used systems, tools and techniques that will be used have been designed to handle the volume and foremost the variety of the data.

Often, smart farming systems are running on unmonitored areas, due to which any attempted or successful breaches go unreported. Worse, since this sector is traditionally not cybersecurity aware, security and privacy by design is not incorporated into the solution requirements.

For example, security attacks are feasible by gaining access to irrigation control systems of either a plant or a farm. In the most cases, IoT devices and systems can be manipulated and personal data can be disclosed without the farmer knowing. Even worse, adversaries can gain access to other connected third-party systems, e.g., energy, administration and irrigation systems.

This Special Issue seeks to make an in-depth, critical contribution to this evolving field of agriculture in the era of Big Data. We therefore aim to bring together the state-of-the-art research contributions towards providing new insights in the application and benefits of the emerging methods and technologies in the Big Data-driven agriculture sector. The topics that can be addressed include (but are not limited to) the following ones.

Systems
- Cloud- and edge-based systems in smart farming.
- Management of heterogeneous Big Data in smart farming.
- Crop models and decision support systems in smart farming.
- Study of man-machine dialogue systems.
- Data-driven methods for anomaly detection, diagnosis, and prognosis.
- Role of Big Data in sustainable agriculture.
- Big data innovation in sustainable agriculture.
- Environmental Big Data integration.
- Smart Farming and its application in Big Data processing.
- Big data in agricultural disaster management.
- Cyber threats and anomaly detection in smart farming.
- Data privacy preserving systems in smart farming.
- Deep packet inspection in security systems for Smart Farming applications.

Tools
- IoT tools and techniques for sustainable agriculture.
- Emerging tools for precision agriculture.
- Big data analysis tools and machine learning techniques in Smart Farming tools.
- Big data online stream processing for precision agriculture and Smart Farming
- Machine learning applications in improving Key Performance Indicators
(KPIs) in Smart Farming.
- Statistical analysis and modeling in Smart Farming applications.
- Geospatial analysis in Smart Farming applications.
- Advanced image processing techniques and applications in the agricultural domain.
- Spectral matching tools in Smart Farming.
- Intrusion detection tools.

- Security Information and Event Management (SIEM) tools for smart farming monitoring.

Techniques
- Modern GIS and remote sensing techniques in agriculture.
- Classification and change detection of cultivated land.
- Data mining and statistical issues in precision agriculture.
- Intelligent computational techniques in precision agriculture.
- Knowledge discovery in agriculture databases.
- Cloud-enabled techniques and in-the-field integration for sustainable agriculture.
- Network-based analysis in Smart Farming.
- Trust-enabling techniques and methods.
- Blockchain techniques for ensuring trust amongst IoT devices in Smart Farming.
- Network forensics techniques for Smart Farming applications.

Guest Editors
- Dr. Panagiotis Sarigiannidis: Assistant Professor in the Department of Informatics and Telecommunications Department of University of Western Macedonia, Kozani, Greece
- Dr. Thomas Lagkas: Senior Lecturer (Assistant Professor) of The University of Sheffield International Faculty - CITY College, Thessaloniki, Greece
- Dr. Konstantinos Rantos: Associate Professor at the Department of Computer and Informatics Engineering at Eastern Macedonia and Thrace Institute of Technology, Kavala, Greece
- Dr. Paolo Bellavista: Full Professor of distributed and mobile systems at DISI - UNIBO, Bologna, Italy

From:	Alireza Jolfaei <00000104659789a8-dmarc-request@COMSOC-LISTSERV.IEEE.ORG>
Sent:	March 26, 2019 6:45 PM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] CFP - Safety, Security, and Trust in Intelligent Transportation System - Deadline Extended

Dear Colleagues,

We are pleased to inform you that in response to the high demand the deadline for the 2019 International Workshop on Safety, Security, and Trust in Intelligent Transportation System (SST-ITS) for full paper submission was extended to March 31, 2019. Please consider submitting your latest research results to SST-ITS 2019, which runs in conjunction with IEEE TrustCom 2019. Accepted papers will be included in IEEE TrustCom proceedings. IEEE TrustCom is an A rank conference, ranked by the Computing Research and Education Association of Australasia (CORE).
Link: http://jolfaei.info/SSTITS2019.html

Overview

Autonomous vehicular technology is approaching a level of maturity that gives confidence to many cities around the world to allow autonomous vehicles (AVs) to share the roads with manual vehicles (MVs). AVs and MVs have different capabilities which may result in challenging safety, security, trust, and resilience impacts when mixed together as a part of the Intelligent Transportation System. For example, AVs are able to communicate electronically with one another, make fast decisions and associated actuation, and generally act deterministically. In contrast, MVs cannot communicate electronically, are limited by the capabilities and slow reaction of human drivers, and may show some uncertainty and even irrationality in behavior due to human involvement. However, unlike MVs, the security of computing and communications of AVs can be compromised thereby precluding them from achieving individual or group goals.

This workshop focuses on solutions that leverage techniques and insights from the domains of cybersecurity, artificial intelligence, edge computing, big data, and transportation engineering to resolve privacy, security, and trust challenges in Intelligent Transportation Systems. Topics of interest include but are not limited to

- Modeling, control and simulation of traffic for intelligent transportation system
- Advanced persistent threats for intelligent transportation system
- New approaches to safety, security, and trust in intelligent transportation system
- Security architecture, design, implementation and management of intelligent vehicles
- Trustworthy vehicle communications (V2X, V2V, V2I, V2C)
- Functional security, standards, and certification
- Security techniques and protocols for cooperative vehicles
- Data communication security in networked embedded systems
- Security mechanism for automotive motion planning in dynamic environments
- Practical security experiences and testbeds related to intelligent vehicles
- Human factors and human behavior in intelligent transportation system
- Emergencies and accidents: phenomena, management, and mitigation
- Applications of sensors and big data to intelligent transportation system
- Sustainable transportation system
- Intelligent transportation system in mobility as a service
- Design and evaluation of machine learning models on traffic data
- Anomaly detection and forecasting
- Specifics issues related to public transportation and goods transportation logistics

Paper Submission Guidelines

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. The page limit is 6 pages and authors can purchase up to 2 additional pages. The exact charges for extra pages will be advised after the IEEE proceedings and sponsorship process has been finalized. The paper must not exceed 8 pages, including tables, figures, references and appendixes, in IEEE Computer Society proceedings format with Portable Document Format (.pdf).
Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. 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. Accepted and presented papers will be included in the IEEE CPS Proceedings.

Paper submission page: https://easychair.org/conferences/?conf=sstits2019

Important Dates

Submission Deadline (Extended):   March 31, 2019
Authors Notification: April 27, 2019
Camera-Ready Manuscript Due: May 27, 2019

Program Chairs

Krishna Kant, Temple University, USA
Joarder Kamruzzaman, Federation University, Australia Alireza Jolfaei, Federation University, Australia

Technical Program Committee

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Kind regards,
Alireza Jolfaei
Chairman, IEEE Computational Intelligence Society Victorian Section Room 245, T Building School of Engineering and Information Technology Federation University Australia Mount Helen VIC 3350

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From:	Anna Maria Vegni <annamaria.vegni@UNIROMA3.IT>
Sent:	March 27, 2019 8:52 AM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] Cfp 1st workshop on Pervasive Systems in the IoT era (PERSIST-IoT) @ACM MobiHoc 2019

[Our apologizes for multiple copies of this cfp]
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1st Workshop on Pervasive Systems in the IoT era (PERSIST-IoT) in conjunction with ACM MobiHoc 2019
2 – 5 July 2019, Catania (Italy)
http://www.grc.upv.es/persist-iot2019/
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Call for Papers

Leveraging on the global interconnection of billions of tiny smart objects, the Internet of Things (IoT) paradigm is fostering the idea of Pervasive Smart Systems (PSSs), where all the data gathered by different "things" can be analyzed and used to improve the livability, the safety and the security of the environment, and to make IoT user lives easier. However, despite the research advancements in recent years, many open issues still prevent the full realization of such vision.

To meet the requirements of PSSs, telecommunication systems should deliver significantly high data rates, traffic capacity, connection density, energy efficiency, as well as small latencies. Being massively distributed into the environment, smart things may generate, collect, exchange and process big data, provide distributed services, offer computational resources, and cooperate to perform some tasks locally, as well as to delegate their execution to more powerful nodes in the cloud or at the network edge. In addition to the traditional pull-based data delivery, push-based and publish/subscribe traffic patterns must be supported. To accommodate newly emerging services, the network infrastructure should be agile, cost effective and possibly softwarized. Finally, meeting security and privacy requirements will play a fundamental role in the PSSs; indeed, without effective mechanisms, attacks and malfunctions in the IoT will outweigh any of their benefits.

The PERSIST-IoT workshop aims to solicit a collection of innovative papers reporting the most recent advancements in the fields of smart network architecture, protocols and practical implementations enabling IoT for smart systems applications. Topics of interests include, but are not limited to the following:

Topics of interests could be:
*   Models of network component interactions for IoT systems;
*   Distributed sensing and control in pervasive systems;
*   Mobile-aware cloud computing models, infrastructures, and approaches for pervasive systems;
*   Mobile edge computing for smart environments;
*   Crowdsourcing in smart environments;
*   Novel communication protocols for M2M/MTC communication;
*   Novel networking paradigms (e.g., ICN, SDN) for IoT;
*   Energy efficient solutions for IoT;
*   Reliability, security, privacy and trust in pervasive systems;
*   Business models to promote user collaboration and resource sharing in pervasive systems;
*   Interaction of human-IoT for pervasive systems

* Social networking in IoT architecture and middleware;
* Social IoT models, e.g., co-location, co-work, ownership, and etc.
* Cyber-physical-social security for pervasive systems
* Social-based routing protocols and architectures for pervasive systems
* Testbeds, applications, business, standards, and social issues

Important Dates:
Abstract Registration: April 1, 2019
Submission deadline: April 7, 2019
Notification of acceptance: May 5, 2019
Camera Ready: May 27, 2019
Program: May 31, 2018

Authors information:
Papers should be submitted via the HotCRP submission website.

Papers should not exceed 6 pages (US letter size) double column including figures, tables, and references in standard ACM format. Papers must be submitted electronically in printable PDF form. Templates for the standard ACM format can be found here: https://www.acm.org/publications/proceedings-template.

If you are using LaTeX, please refer to the sample file "sample-sigconf.tex" after you download the .zip templates file and unzip it. Note that the document class "\documentclass[sigconf]{acmart}" should be used. No changes to margins, spacing, or font sizes are allowed from those specified by the style files. Papers violating the formatting guidelines will be returned without review.

All submissions will be reviewed using a single-blind review process. The identity of referees will not be revealed to authors, but author can keep their names on the submitted papers, on figures, bibliography, etc.

General Chairs:
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Anna Maria Vegni, PhD

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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:	Kellerer, Wolfgang <wolfgang.kellerer@TUM.DE>
Sent:	March 27, 2019 11:13 AM
To:	tccc-announce@COMSOC.ORG
Subject:	[TCCC-ANNOUNCE] Deadline extended to April 23, 2019: IEEE TNSM Special Issue on Softwarized Networks 2019

The submission deadline for the TNSM Special Issue on Softwarized Networks 2019

has been extended to: April 23, 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/latest-developmen
ts-management-softwarized-networks
and also described below.

Extended submission deadline is April 23, 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 (extended): April 23, 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)

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