

CfP: IEEE Global IoT Summit (GloTS 2019)

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CALL FOR PAPERS

[IEEE Global IoT Summit \(GloTS 2019\)](#)

Aarhus, Denmark | June 17-21, 2019 | <https://www.globaliotsummit.org/>

COLLOCATED WITH IOT WEEK 2019

IEEE Global IoT Summit (GloTS) is a scientific conference that presents scientific papers on the most recent IoT research results with the aim to bring together the research and industry communities active in the IoT domain. The GloTS conference is colocated with IoT Week and is endorsed by IEEE and driven by the IEEE Subcommittee on IoT and the IoT Forum.

After two successful editions in Geneva and Bilbao, the next GloTS will be organized in Aarhus in Denmark.

"IoT is rapidly evolving with the substantial risk of not paying attention to safety, reliability, privacy, security, and interoperability. Research has a fundamental role to enable a globally interoperable IoT and to make it right," said Sebastien Ziegler, General Chair and President of the IoT Forum.

"GloTS 2019 will attract experts from industry and research in current and emerging technologies such as 5G-based IoT, software-defined IoT, IoT-centric Cloud Computing, including the Social Internet of Things" said Latif Ladid, Co-Chair and President of IPv6 Forum

Dr. Antonio Skarmeta, TPC Chair said, "The selected technical topics seek some maturity in IoT across the board. There are many facets that need research and experimental pilots to put the pieces together and give IoT innovation a roadmap"

Topics:

IoT Enabling Technologies

- 5G Networks and IoT
- IoT Security and Trust
- IoT and Personal Data Protection
- Artificial Intelligence and IoT
- IoT Large Scale Pilots and Portability 2018
- IoT Interoperability and Multi-Platform Integration

- Software Defined Network (SDN), Network Function Virtualization (NFV) and IoT
- Sensor and Actuator Networks
- IoT Protocols and Standards (IPv6, 6LoWPAN, RPL, 6TiSCH, WoT, oneM2M, etc.)
- Ultra-low power IoT Technologies and Embedded Systems Architectures
- Wearables, Body Sensor Networks, Smart Portable Devices
- Design Space Exploration Techniques for IoT Devices and Systems
- Heterogeneous Networks, Web of Things, Web of Everything
- Named Data Networking for IoT
- Internet of Nano Things
- Sensors Data Management, IoT Mining and Analytics
- Adaptive Systems and Models at Runtime
- Distributed Storage, Data Fusion
- Routing and Control Protocols
- Resource Management, Access Control
- Mobility, Localization and Management Aspects
- Identity Management and Object Recognition
- Localization Technologies
- Edge Computing, Fog Computing and IoT
- Machine to Machine (M2M)/Devices-to-Devices communications and IoT
- Industrial IoT and Factory of Things and Internet of Things

IoT Applications, Services and Real Implementations

- Smart Cities, Smart Public Places, and Smart Environments
- Smart Home, and IoT-based Building Automation
- Smart Agriculture and Water Management
- Smart factories and Industry 4.0
- e-Health, Assisted Living and e-Wellness
- Automotive, Intelligent Transport
- IoT-based Supply Chains
- Smart Grid, Energy Management
- Wearables
- Cyber-physical systems, Context Awareness, Situation Awareness, Ambient Intelligence
- Collaborative Applications and Systems
- Service Experiences and Analysis
- Consumer Electronics, Assisted Living, Rural Services and Production
- Industrial IoT Service Creation and Management Aspects
- Crowd-sensing, human centric sensing
- Big data and IoT Data Analytics
- IoT and AI techniques
- Internet Applications Naming and Identifiers
- Semantic Technologies, Collective Intelligence
- Cognitive and Reasoning about Things and Smart Objects
- Mobile Cloud Computing (MCC) and IoT
- Horizontal application development for IoT
- Design principals and best practices for IoT application development

End-user and Human Centric IoT, including IoT Multimedia, Societal Impacts and Sustainable Development

- IoT and Sustainable Development, including the 17 UN Sustainable Development Goals (<https://sustainabledevelopment.un.org>) and the International Declaration on IoT for Sustainable Development (<http://iotforum.org/the-international-declaration-on-the-internet-of-thi...>).
- Human Role in the IoT, Social Aspects and Services
- Value Chain Analysis and Evolution Aspects
- New Human-Device Interactions for IoT, Do-It-Yourself
- Social Models and Networks
- IoT and Arts
- Green IoT: Sustainable Design and Technologies
- Urban Dynamics and crowdsourcing services
- Metrics, Measurements, and Evaluation of IoT Sustainability and Roi

IoT Security, Privacy and Data Protection

- IoT and blockchain
- Artificial Intelligence based security and data protection
- IoT Privacy, data protection and Security Concerns
- IoT Privacy and Security Tests, Certification, and Labelling
- Security and Data protection risk analysis and mitigation
- Identification and Authentication Issues
- Wireless Sensor Network for IoT Security
- Intrusion Detection in IoT
- Cryptography, Key Management, Authentication and Authorization for IoT
- Physical/MAC/Network Attacks in Internet of Things
- Cross-layer Attacks in IoT
- Security with QoS Optimization in IoT
- Privacy based Channel Access in IoT
- IoT Forensic Science
- Big Data and Information Integrity in IoT
- Communication Security in IoT
- Security Standards in IoT

IoT Pilots, Testbeds and Experimentation Results

- Large scale pilots on IoT
- IoT testbeds and testing tools
- Closing the Gap between Research and Implementation
- Experimental prototypes, Test-Bed and Field Trial Experiences
- Multi-Objective IoT System Modeling and Analysis--Performance, Energy, Reliability, Robustness
- IoT Interconnections Analysis--QoS, Scalability, Performance, Interference
- Real case deployment scenarios and results

- IoT Deployment at Government and ISPs
- IoT Deployment on Agriculture, Retails, Smart Cities, etc.
- IoT Interconnections among ISPs Analysis--QoS, Scalability, Performance, Interference
- Gaps Analysis for Real Deployment
- IoT and Future Internet Architectures
- Standardization and Regulation

IMPORTANT DATES

General Conference

- Manuscripts Due: February 06, 2019
- Acceptance Notification: March 31, 2019
- Camera-Ready Submission: April 30, 2019

Workshop proposal

- Paper submission deadline: February 22, 2019
- Acceptance Notification: March 31, 2019
- Camera-Ready Paper Submission: April 30, 2019

Special Sessions proposal

- Proposals due: November 23, 2018
- Notification of selection: November 30, 2018
- Website for special session: December 14, 2018

Industry Forum Sessions proposal

- Proposals due: March 15, 2019
- Notification of selection: March 31, 2019

Contacts

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[? CfP: International Federated Conference on Distributed Computing Techniques \(DisCoTec 2019\) CfP: 14th International Symposium on Software Engineering for Adaptive and Self-Managing Systems \(SEAMS 2019\) ?](#)



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