



TOWARDS A MORE CONNECTED WORLD!

4–7 DECEMBER 2019
JUMEIRAH EMIRATES TOWERS

It's our pleasure to invite you to submit your papers/posters/demo proposals for the 2019 IEEE Global Conference on Internet of Things (2019 IEEE GCloT) that will be held on 4-7 December 2019 in Dubai, UAE. The conference is technically co-sponsored by IEEE R8, IEEE IoT Initiative and IEEE UAE Section.

2019 IEEE GCloT aims to provide a forum for researchers from both academic and industry fields to share their latest research contributions and exchange knowledge with the common goal of shaping the future of IoT and smart sustainable cities. Contributed papers are solicited describing original works in these fields and related technologies.

The conference program will include paper presentations, poster sessions and project demonstrations, along with prominent keynote speakers and industrial-focused workshops. There will be three tracks in the conference: technical track, governmental track, and industrial track. The industrial track will include a one-day focused Industry Summit.

2019 IEEE GCloT is pleased to confirm the prestigious IEEE Transactions on Engineering Management (ABS 3/Q1) and IEEE Engineering Management Review as our supporting journals. Selected best papers from the technical track (typically, high quality academic papers) will be invited to submit their paper to IEEE Transactions on Engineering Management. Selected best papers from Government and Industry tracks (typically, shorter and more practitioner-focused) will be invited to submit their papers to IEEE Engineering Management Review.

We encourage potential authors and delegates to consider becoming a member of IEEE and IEEE TEMS in order to gain many benefits including a discounted registration fees at GCloT 2019 Join IEEE TEMS

For the technical track, the topics of interest include, but are not limited to:

#Topic area 1: IoT Applications and Services

- Architectures of IoT services
- IoT platforms and data management
- Smart homes, cities and grids fundamentals and issues
- Smart Health
- Smart supply chain and framing
- Smart Manufacturing
- Smart Transportation
- Tools and technologies for IoT services
- Business models for IoT applications

#Topic area 2: Connectivity and Networking

- 5G Networks and IoT
- IoT short range communications
- Network planning
- IPv6 for IoT
- IoT Standards
- Routing and Transport Protocols for IoT

#Topic area 3: Security and Privacy for IoT

- Cryptography, Key Management, Authentication and Authorization for IoT
- IoT Privacy and Security Concerns Tests, Certification, and Labelling
- IoT Security of Smart Sustainable cities
- Physical/MAC/Network Attacks in Internet of Things (IoT)
- Security with QoS Optimization in IoT

#Topic area 4: Electronics and Signal processing for IoT

- IoT low power devices
- IoT sensors and actuators
- Energy optimization in IoT
- Optimization of data traffic and latencies
- Smart devices and tools signal processing
- Machine-to-Machine Communications for Smart Environments

#Topic area 5: IoT Experimental Results and Deployment Scenarios

- IoT System Modeling and Analysis—Performance
- Real case deployment scenarios and results
- IoT Deployment on Agriculture, Retails, Smart Sustainable Cities, etc.
- IoT and Future Internet Architectures
- Testbeds and experiments for Internet of Things smart sustainable cities

#Topic area 6: IoT-enabled Innovation and Entrepreneurship

- IoT start-ups and innovation processes
- Role of accelerators and incubators and IoT start-ups
- IoT for social and environmentally-orientated innovations
- IoT for government innovation
- IoT and Big Data for business model innovation

For the governmental and industry track, the topics of interest include, but are not limited to:

- Closing the Gap between Research and Implementation
- Experimental prototypes, Testbed and Field Trial Experiences
- Real case deployment scenarios and results
- Industrial challenges in IoT and Smart Sustainable Cities
- Securing IoT deployments
- Best practices and examples for Data Governance and Analytics
- Real case deployment scenarios and results
- IoT and Future Internet Architectures
- IoT Standardization and Regulation
- Privacy, Identification and Authentication Issues

Also we seek proposals for a Panel/Invited Session or a Tutorial of general interest and relevance to IoT. These should address the Technical Community and/or provide educational or expository material, or recognition of significant contributions to the advancement of IoT technologies.

These sessions will be presented within the following tracks:

- Governmental Tracks
- Industrial Tracks
- Special Sessions/Tutorials

INDUSTRY SUMMIT

A one-day focused Industry Summit will be organized as part of the Industry Track at the conference. The Summit brings together senior industry leaders and experts from across multiple sectors to unleash the potential of IoT for the benefit of industry and is focused towards practitioners, but we would like to stimulate all academics to join, to interact and share views. The summit covers the following topics:

- The future of Enterprise IoT.
- Digital Value Chains - from atoms to bits.
- The Art of data-based Governance.
- IoT Architectures, Security and Deployment.
- Optimizing 'Ways of Working' to enable seamless IoT integration.

IMPORTANT DEADLINES

Technical Paper/Panel or Tutorial Proposal Submission Due Date: July 15, 2019

Acceptance Notification: September 10, 2019

Camera-ready Submission: October 1, 2019

Early Bird Registration Deadline: October 1, 2019

Conference Date: 4-7 December 2019

Papers must be submitted electronically: <https://www.edas.info/>

Other Events along with the conference

1. Industry Summit
2. Poster Presentation
3. Workshops on IoT
4. Arab IoT Challenge
5. Industry Exhibition

IEEE GCIoT Paper Categories

TECHNICAL TRACK

Regular Paper – 5 pages maximum (2 additional pages allowed but at an extra charge), 10 pt font double column in IEEE format. Authors must present novel perspectives within the general scope of the conference.

All papers must strictly follow the IEEE Xplore paper template from the following link:
<https://www.ieee.org/conferences/publishing/templates.html>

Authors Kit: <https://ieeauthorcenter.ieee.org/>

INDUSTRIAL AND GOVERNMENTAL TRACKS

Extended abstract – 2 pages maximum, 10 pt font double column in IEEE format.

All accepted papers will be published in the proceedings and IEEE Xplore. All papers must include title, complete the contact information for all authors, abstract, and keywords on the cover page.

PAPER SUBMISSION

2019 IEEE GCIoT uses EDAS for submission.

Authors need to:

1. Create an account (if not already registered) with EDAS at <http://edas.info>
2. Submission link: <https://edas.info/N26137>

For more information:

General Queries: info@gciot.org

Registration: <https://gciot.org/#book>

Website: <https://gciot.org/2019>

*Kindly promote 2019 IEEE GCIoT to interested individuals and communities in your vicinity.
Best regards, and looking forward to seeing you at 2019 IEEE GCIoT in December!*