



IEEE World Forum on Internet of Things

14-16 December, 2015 // Milan, Italy

Auto-IoT Workshop CALL FOR PAPERS



Submission Deadline is **September 25, 2015**

2015 IEEE International Workshop on Automotive IoT (IEEE Auto-IoT 2015)

This event is organized by the IEEE IoT Initiative and the IEEE Vehicular Technology Society (VTS), and will be co-located with the 2015 IEEE World Forum on Internet-of-things (WF-IoT), 14 - 16 December, 2015, Milan, Italy.

Scope

The future network infrastructure for vehicular environments will increase the pervasiveness of the Internet and the overall connectivity by integrating every "object" (e.g., passengers' smart phones, vehicles' sensors, infrastructures and external management platform) forming an intelligent vehicular transportation system. IoT supported by vehicular networks will be a key enabler for new geo-spatial information mapping communities. Using the advanced communication and sensor capabilities hosted by vehicles, these IoT communities have the potential to reach a wide range of objectives at more cost effective ways. Applications for such a promising combination of information production range from providing road safety and driver assistance, to mapping road status (e.g., road congestion status, road conditions and maintenance status), to estimating the 'greenness' of various road segments.

Original papers are solicited in, but are not limited to, the following topics:

- Connected vehicles, communications, networking and applications in IoT
- IoT for autonomous cars and driving systems
- IoT cloud computing and management platform for connected vehicles
- In-car electronics, embedded integration of vehicular commun. with IoT
- Mobile vehicular sensor networks
- Interworking with sensor network technologies
- Transportation cyber-physical networks
- Mobility for IoT
- RF technologies, antenna design, physical layer and propagation models
- Spectrum, radio resource and interference management
- Intra/inter-vehicle communications
- Wireless enabled intelligent transportation systems
- Vehicular social networks in IoT
- Architecture, networking protocols, QoS and cross-layer optimization design
- Security, liability and privacy
- Standards development, business models and policies
- Testbeds and simulation platforms
- Field trials and deployments
- Applications (Telematics, Ecall, toll collection, traffic information, wireless diagnosis, etc.)

Important Dates for Paper Submissions

September 25, 2015	Manuscripts Due
October 16, 2015	Acceptance Notification
October 31, 2015	Camera-Ready Submission

Please submit your paper at: <https://edas.info/newPaper.php?c=19997&track=76312>

Information for authors

Authors are encouraged to submit **full length papers (suggested size is four pages; papers up to six pages will be accepted)** following the submission guidelines provided at www.ieee-wf-iot.org/authors.html. Papers will be fully peer reviewed and, accepted papers will be included in the conference proceedings and also be submitted for inclusion in the IEEE Xplore digital library.

Extended versions of selected papers may be considered for publication in IEEE IoT Journal.

Workshop General Co-Chairs:

- Zhengguo Sheng, University of Sussex, UK
- Abbas Jamalipour, University of Sydney, Australia

Workshop TPC Co-Chairs:

- Alexey Vinel, Halmstad University, Sweden
- Giuseppe Ruggeri, University of Reggio Calabria, Italy
- Gaurav Bansal, Toyota InfoTechnology Center, USA

Local Chair:

- Vincenzo Piuri, Milan University, Italy

Publicity Chair:

- Andreas Pressas, University of Sussex, UK

For further information, please contact

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Or visit: sites.ieee.org/wf-iot/call-for-papers/