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Special Session

Information Centric Networking: from research to practice in vehicular and intelligent transportation systems

Organizers: L. Alfredo Grieco, *Politecnico di Bari, Italy,* **Nicola Blefari Melazzi**, *Università degli Studi di Roma – Tor Vergata, Italy,* **Changqiao Xu**, *Beijing University of Posts and Telecommunications, China,* **Maria Rita Palattella**, *University of Luxemburg, Luxemburg*

Call for Papers

Information Centric Networking (ICN) has been formulated as an alternative design methodology with respect to the classic host centric rationale. Its key pillars are: (i) native support to multicast and mobile communications; (ii) simplification of the APIs for content dissemination services; (iii) content oriented security; (iv) name driven networking primitives. Accordingly, during the last ten years, many different ICN architectures have been formulated, each one based on different assumptions on the name space and/or the routing strategy, at least. In this context, significant research efforts have been devoted to approach the inherent communication challenges of vehicular ad hoc networks (VANET) and intelligent transportation systems (ITS) using ICN architectures, but the gap from theory to practice is still there. To this end, the objective of the Special Session proposed hereby is two-folded: from one hand it aims at stimulating a scientific discussion on the real effectiveness of the proposals formulated so far in the specific research space of ICN architecture in VANETs and ITSs; and, from the other hand, it is intended to draw new research directions that can be disclosed from this particular research space.

Therefore, contributions from scientist and practitioners are welcome on the following topics:

- Naming and Name resolution service in ICN architectures for VANETs and ITSs
- Routing and service discovery in ICN architectures for VANETs and ITSs
- Congestion control in ICN architectures for VANETs and ITSs
- Performance assessment methodologies in ICN architectures for VANETs & ITSs
- Experimental results in ICN architectures for VANETs and ITSs
- Security, Privacy and Trust in ICN architectures for VANETs and ITSs
- ICN architectures in IoT systems for VANETs and ITSs
- Cloud assisted ICN architectures for VANETs and ITSs
- Implications of network softwarization (SDN, NFV, 5G slicing) on ICN architectures for VANETs and ITSs
- Real-time applications in ICN architectures for VANETs and ITSs

Prospective authors are invited to submit high-quality original technical papers following the rules of the Main Track of ICT 2016 for presentation at the conference and **publication in the ICT 2016 Proceedings and IEEE Xplore**, via EDAS, using **https://www.edas.info/newPaper.php?c=21703&track=78318**.

Important dates

Paper submission deadline: **February 20, 2016**
Notification of paper acceptance: **March 5, 2016**
Camera Ready Papers: **March 15, 2016**

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