Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CTRQ+2017+Special
Please select Track Preference as **IONCOMM**

<div align="center">

Special track

IONCOMM: Identity Oriented Networks-based Infrastructure and Communications

Chair:
Dr. Richard Li, Future Networks, Huawei Technologies, USA
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Coordinator:
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along with
CTRQ 2017, April 23 - 27, 2017 - Venice, Italy
The Tenth International Conference on Communication Theory, Reliability, and Quality of Service
http://www.iaria.org/conferences2017/CTRQ17.html

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Ubiquitous connectivity is an essential requirement in the modern communication era. One aspect of connectivity implies interconnection of any to any (humans to machines, humans to humans or machine to machine); In another aspect, connection must persist even when the object or the user has moved. The fundamental premise of Identity Oriented Networks (ION) is the one that provides mechanisms for scalability, mobility and operations across heterogeneous entities by disseminating unique identity of end points from their position in the network. Identity based networking is the foundation for new network services and applications that become extremely complex to implement over traditional communications. While ION architecture creates new opportunities, it brings numerous challenges that vary from traditional network paradigms. Together, we as network community must understand the impact of ION-based schemes and compare different behavioral aspects of it.

IONCOMM is the first Special Track on ID-oriented Networking that invites discussion and research on concepts relevant to ION.

The topic suggested by the track can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to:

ID Oriented Architecture
> Model, Framework and concepts of ID oriented networks
> Scalability aspects of ION systems
> High-Availability and Resilience of ID oriented networks
> ION based session continuity and mobility
> Quality Of service and traffic engineering in ION
> Interoperability between ION and IP systems

ID and Network Interface and Communications
Communication between end-points and their network locations
Structure of Endpoint Identities - Syntactical and Semantic rules
New requirements and aspects for ION aware Transport and Session

Network Mapping Systems
Requirements for Network Mapping Systems for emotions
Discovery and Representation of mappings between endpoints
Building Resiliency into Mapping systems
Identity Exposure in ION systems
Management aspects of Mapping systems
Design, Security and Scale of federated Network Mapping Systems

ION Applications
Creating ID aware Applications with intrinsic mobility
Architecture of Thing to Things communications using ION
ION based Social Network of Things and Humans

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ March 15
- Notification with comments for camera-ready: ~~February 20~~ March 22
- Registration: ~~March 5~~ April 1
- Camera ready: ~~March 15~~ April 1

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CTRQ+2017+Special
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in

the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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