

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2017+Special>

Please select Track Preference as **DMM**

Special track

DMM: Distributed Mobility Management
Towards Efficient and Scalable Mobile Networks

Chair and Coordinator:

Nivia Cruz Quental, Universidade Federal de Pernambuco, Brazil

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along with

ICN 2017, April 23 - 27, 2017 - Venice, Italy

The Sixteenth International Conference on Networks

<http://www.aria.org/conferences2017/ICN17.html>

Since the rising of smartphones, tablets, gadgets, and vehicle embedded devices in the latter decade, mobility scenarios in wireless metropolitan networks have become more frequent. Those devices may support several link layer technologies, multihoming, and have energy constraints. Current technologies face difficulties to accomplish seamless handover among heterogeneous networks considering different domains, privacy issues, and performance. The early proposed solutions involve centralized entities or hierarchical architectures. Those solutions may have limitations related to scalability and load-balancing.

Distributed Mobility Management (DMM) is an area of interest to research distributed models to achieve efficient and scalable mobility. Several work groups propose solutions based on existing mobility protocols at link, network, and application layers. Other proposals rely on Software Defined Networks (SDNs). The main challenges for scalable and efficient DMM include security, low cost signaling, Quality of Service (QoS), user profile management, high mobility, among others.

We invite authors to submit unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas:

- SDN-based DMM
- Security and privacy issues in DMM
- Performance comparison among DMM schemes
- New DMM schemes
- PMIPv6-based schemes
- DMM extensions for FPMIPv6
- DMM for 4G and 5G
- Modeling of DMM schemes
- Mobility models and simulation tools
- Characterization of users' behavior in mobile networks
- Scalability analysis of DMM solutions
- DMM for flow mobility and multihoming
- QoS support for DMM
- Vertical handover

- Interdomain handover
- Energy-efficient DMM
- DMM for Internet of Things (IoT)
- Network operator policies for DMM
- Metrics for decisions in DMM

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

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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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