Call for Contributions for

Special session: TETHYS: Toward Emerging Technology for Harbour Systems and Services
Chair and Coordinator: Prof. Dr. Michele Ruta, Technical, University of Bari,
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along with

UBICOMM 2016, The Tenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies
http://www.iaria.org/conferences2016/UBICOMM16.html
October 9 - 13, 2016 - Venice, Italy

Submissions deadlines
Submission deadline: August 30
Acceptance deadline: September 10
Registration deadline: September 15
Camera-ready deadline: September 15

**Submission to: Prof. Dr. Michele Ruta, Technical, University of Bari,
Italy michele.ruta@poliba.it**

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/conferences2016/CfPUBICOMM16.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

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

Content

Harbours are complex systems involving several independent entities and multi-party actors. Coordination in such contexts is the key for effective cooperation. Emerging technologies promise to change the way port management and operations are executed, by increasing efficiency, visibility, scale and security. They include: wireless sensor networks and identification technologies for real-time shipment and process monitoring; communication infrastructures and ad-hoc networks for ship-to-ship and ship-to-port information exchange. Also service-oriented and Big Data architectures and technologies must be considered - such as distributed computing, machine learning and knowledge representation - for improving analytics, business intelligence, decision support and decision making capabilities. Furthermore, harbours are increasingly recognized as relevant elements of smart city infrastructures. Smart cities are very large-scale systems of systems, calling for models, tools and technologies developed in the service science discipline to approach their multi-faceted organizational and operational problems.

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, topic areas:

- Ships and Port Operations
- Facilities, Cargo Handling and Port Engineering
- Interconnection with Port Single Windows and National Single Windows
- Sensor and Actor Networks in Maritime domain
- RFID technology for cargo and shipment tracking
- Coordination, collaboration and communication
- Hardware and software infrastructures
- Methodologies and development platforms
- Safety, Security and Risk Management of Port Operations
- Geomatics and GIS in Maritime Applications
- Spatial Data Analysis, 3D Mapping and Augmented Reality
- Route planning and monitoring
- Analytics and Business Intelligence in Maritime domain
- Decision Support Systems and Artificial Intelligence Methods in Maritime Transport
- Standardization, interoperability and Web services
- Smart City models, simulations and tools
- Smart emergency management
- Smart Mobility models and systems

    Chair and Coordinator
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