Call for Contributions for
Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2018+Special
Please select Track Preference as **UBDT**

Special track
UBDT: Ubiquitous Big Data in Transport

Chair and Organizer
Dr. Konstantinos Chatzikokolakis, MarineTraffic, United Kingdom
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along with

UBICOMM 2018, The Twelfth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies
http://www.iaria.org/conferences2018/UBICOMM18.html
November 18 - 22, 2018 - Athens, Greece

While in the past transport domains suffered from lack of data, emerging technologies such as new tracking technologies, wireless sensor networks, Internet of things (IoT) and the advancements of cellular networks (4G, 5G) have transformed the problem of data scarcity into one of a data overflow. Data volumes acquired from all those devices can be so large and its schema so complex that processing, analyzing and mining such Big Data with traditional data processing applications and data management tools becomes inefficient.

UBDT is an interdisciplinary research track that will gather researchers, technology providers and institutions active in Transport Big Data initiatives around the world. This track will cover all transport research areas expecting novel ideas on leveraging Big Data in Maritime, Aviation, Railway and Automotive applications.

The topics of interest include, but are not limited to:

- Big Data solutions for Maritime, Aviation, Railway or Automotive Intelligent Tracking
- Advanced data fusion and semantic-driven integration of Big Data
- Standards and exchange data models in transport
- Early-warning for reliable situation awareness in the transport domains
- Machine Learning and autonomous navigation
- Decision support systems and Artificial Intelligence methods in transport
- Smart mobility models and systems
- Geomatics and GIS in transport applications
- Hardware and software infrastructures used in any of the transport domains
- Methodologies and development platforms
- Spatial data analysis, 3D mapping and Augmented Reality
- Analytics and Business Intelligence in transport domains

Important Datelines
Inform the Chair: As soon as you decided to contribute
Submission; ~~August 1~~ October 5
Notification: ~~September 1~~ October 20
Registration: ~~September 15~~ October 30

Camera-ready: ~~September 25~~ October 30

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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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