

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=DATA+ANALYTICS+2018+Special>

Please select Track Preference as **TTASC**

Special track

TTASC-18: Transport and Traffic Analytics in Smart Cities

Chair and Organizer

Assoc. Prof. Ivana Semanjski, University of Zagreb, Croatia/ Ghent University, Belgium
isemanjs@ugent.be

along with

DATA ANALYTICS 2018, The Seventh International Conference on Data Analytics

<http://www.iaria.org/conferences2018/DATAANALYTICS18.html>

November 18 - 22, 2018 - Athens, Greece

Smart cities are emerging area at the intersection of information and communication technologies (ICT), urban planning, energy efficiency and mobility related research, which aims to enhance quality of life and support development of more sustainable communities. Special session on Transport and Traffic Analytics in Smart Cities (TTASC) will bring researchers, developers, and practitioners to present their latest research, results, and ideas in all areas of Transport and Traffic Analytics.

TTASC 2018 will provide a forum for the exchange of ideas and good practice on topical issues related to the smart cities. Papers related to techniques, methodologies and applications in mobility related data collection, data analytics and innovative services are especially solicited.

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 Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas.

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

- **Smart city sensing:**
 - o Data sensing, integration, and information fusion for sustainable mobility
 - o IoT systems for sustainable mobility
 - o Emerging sensing solutions using autonomous vehicles and unmanned aerial vehicles
 - o Crowdsourcing, crowdsensing, participatory sensing;
- **Data pre-processing:**
 - o Security, trust, privacy and anonymization for ITS applications
 - o Data integrity and reliability
- **Data analytics:**
 - o Big data management and analytics for smart city applications
 - o Big data for vehicular sensor networks
 - o Big data for travel behavior analytics
 - o Context-aware mobility related analytics
 - o Self-learning (pattern discovery, prediction, auto-configuration);

- o Optimization and metaheuristics
- o Data mining
- **Smart City mobility services:**
 - o Geo-localized services, location-based services, near field communications
 - o Real-time traveler information
 - o Multimodal route planning
 - o Cooperative mobility
 - o Smart Demand Management (passengers and freight)
 - o Connected and autonomous vehicles
 - o Models of smart urban mobility systems
- **Smart mobility and society:**
 - o Smart mobility policy making
 - o Institutional and legal aspects of smart mobility
 - o Economic and environmental impacts of smart mobility
 - o Human factors in smart mobility
 - o New concepts, case studies, and benchmarking of urban mobility
 - o Smart users experience

Important Datelines

Inform the Chair: As soon as you decided to contribute

Submission: October 5

Notification: October 20

Registration: October 30

Camera-ready: 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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Extended versions of selected papers will be published in TOMS Journal: <http://www.toms.com.hr/>
- 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>

Program Committee

- Ivana Semanjski, University of Zagreb, Croatia / Ghent University, Belgium
- Sidharta Gautama, Ghent University, Belgium
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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>

Contacts

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