



# Conference on Sustainable Urban Mobility 2018

24 - 25 May 2018, Skiathos Island - Greece

Thursday 02/08/2018, Volos, Greece

## **Press Release: 4<sup>th</sup> Conference on Sustainable Urban Mobility (CSUM2018)**

The University of Thessaly, Department of Civil Engineering, Traffic, Transportation and Logistics Laboratory – TLog, organized the 4<sup>th</sup> Conference on Sustainable Urban Mobility – CSUM2018 which was held at “THE SKIATHOS PALACE HOTEL”, in Skiathos Island, Greece on 24 – 25 May 2018. The Conference focused on **Data analytics: Paving the way to sustainable urban mobility**, as a sequence on the themes of the previous three events on green modes of transport, the impact of ITS in transit services and behavior, and the anthropocentric approach in urban mobility planning. The increasing and demanding needs for transport services, alleviating at the same time the consequences on the sustainability of the urban agglomeration and environment, place the emerging technologies as the top priority of the involved stakeholders. In the era of big data and digitization, the interest is set to meet the challenge of providing high level mobility services through exploring the new capabilities opened to the domain. Data mining, data analytics and machine learning techniques are in play. GPS and smart personal appliances, point detectors and social media are indicative sources providing ample information, which when handled properly is transformed to vital knowledge for better planning and achieving sustainable mobility.

The geospatial perspective of big data is discussed in some researchers’ work, which focuses on social networking and the usage of crowdsourcing in affecting mobility planning and travelers behavior. Urban space plays an important role in the livable city and its preservation is associated to eco friendly travel activities and transportation infrastructure design and some conference papers demonstrate that. Controlling CO2 emissions is the main concern of policy makers, who promote and favor mobility as a service and collaborative and cooperative transportation systems. Relevant topics are covered by researchers, in various applications. Incident detection, demand and traffic management, trip planning, shared infrastructure, shared connected and autonomous vehicles constitute some of the areas of research involving big data, depicted in another group of papers. Their applicability raises cyber security issues and the associated legal aspects, which are still under investigation, are addressed.

The above topics and many more were the content of CSUM2018. Delegates from 28 countries shared their interests, findings and experience. Following at least a three-round open review process, 103 papers of 268 authors were selected out of the 168 submitted, and were presented at the Conference, with the addition of three keynotes and two stakeholders’ presentations.

CSUM2018 was sponsored by:

- ✓ ATTIKI ODOS
- ✓ Marathon Data Systems
- ✓ SKIATHOSlife (media sponsor),

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- ✓ European commission H2020 – PROJECT ALLIANCE (Enhancing excellence and innovation capacity in sustainable transport interchanges
- ✓ Region of Thessaly – Regional Unit of Magnesia and Sporades



- ✓ European commission H2020 – Project NOVELOG (New cooperative business models and guidance for sustainable city logistics).

Conference's thematic areas were:

- Data-driven infrastructure management
- Transport data and analytics
- Big data and transport modelling
- Big data in transport system optimization
- Social networks and traveller behavior
- Traffic emissions and environmental impacts
- Public transport and demand responsive systems
- City logistics systems
- Application of big data technologies in transport
- Data security and legal issues

For more information about the programme and the activities of CSUM2018, please visit our website:  
<http://csum.civ.uth.gr/>.

On behalf of the Organizing Committee of CSUM2018,  
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