# Call for Papers

## 2ⁿᵈ International workshop on Cooperative Sensing for Smart Mobility – COSSMO

**September 14-17, 2017, Jiangnan University, Wuxi, China**
Co-located with the Third International Smart Cities Conference (ISC2 2017)

http://www.av.it.pt/es/cossmo2/
http://www.isc2-2017.com/

The importance of transportation systems has grown massively in recent years, in line with the problems arising from their pervasiveness: permanent congestion on highways and urban centres, energy waste, $CO_2$ emissions and high accident rates. Cooperative applications capable of data sensing, acquisition, processing and communication provide an unprecedented potential to improve vehicle and road safety, passengers comfort and efficiency of traffic management. To support such visionary scenarios, an ecosystem needs to be set up involving handheld devices, vehicles, road infrastructures and control centers, interconnected by wireless sensor networks and vehicular networks, gathering and sharing operational and environmental information that will support those smart mobility goals. This will involve collaborative applications running unattended in personal devices, vehicles, road-side units and back office of the emergency services, road operators and public services that will report information to and take commands from counterpart applications in a Machine-to-Machine (M2M) fashion.

This workshop will bring together academic and industrial stakeholders to identify and discuss technical and scientific challenges, and be a venue for disseminating innovative solutions in the field of cooperative sensing for smart mobility applications. These solutions will encompass all aspects of ITS associated with cooperative sensing, from wireless network infrastructure and mobility, to transmission techniques, middleware, M2M architectures, data models and real life implementations. The workshop seeks original, high quality contributions along these lines. Works already published to a large extent or currently under review in journals or other conferences will not be accepted.

**Specific topics of interest include, but are not limited to:**

- Dependable cooperative sensing
- Data aggregation
- Compressive sensing
- Security and privacy issues
- M2M for cooperative sensing
- Cooperative sensing for distributed dynamic maps
- Smart cooperative sensors

- Back-end solutions for cooperative sensing
- Software agents for cooperative sensing
- Ad-hoc and mobile networks for the collection layer
- Multimedia based sensing
- Data distribution and information extraction
- Traffic related information gathering
- Roadside infrastructures for cooperative sensing
- Personal handheld devices as sensing peripherals
- Road parking monitoring and traffic handling
- Protocols for vehicular cooperative communications
- Smart cooperative sensing with machine learning
- Cooperative sensing in the 5G era
- Software defined networks for cooperative ITS systems
- Field tests and case studies

**Important Dates**

- Paper Submission: 25 July 2017
- Paper Notification: 5th August 2017
- Camera-Ready Paper: 10 August 2017

Authors are requested to submit their papers through EDAS system by the following steps:

1. Open EDAS Or Paste in URL:https://edas.info/N23603

2. Select COSSMO – Workshop on Cooperative Sensing for Smart Mobility.

3. Submit your paper.

Note: All submitted papers must be written in English and formatted according to the IEEE double-column conference style. Full papers should describe novel research contributions and results and are limited to six (6) pages (two additional pages are allowed with a per-page extra fee of 100 $). Short papers, limited in length to four (4) pages, should be more visionary in nature and are meant to discuss new challenges and visions, showcases, early research results, and explore novel research directions. Each submitted paper will pass through the standard IEEE peer-review process.

For more information visit: **http://www.av.it.pt/es/cossmo2/**