

# GIFTS 2011

## 1st International ICST Conference on Green Intelligent Future Transport Systems

16-18 March 2011, Athens, Greece

[www.giftsconference.org](http://www.giftsconference.org)

### CALL FOR PAPERS

#### SPONSORS

Sponsored by [ICST](#)

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#### SCOPE

The 1st International ICST Conference on Green Intelligent Future Transport Systems (GIFTS 2011) is an excellent opportunity to gather all the experts within the field of ITS in Athens. Researchers, engineers, students, industrial partners, government delegates, and all relevant stakeholders are invited to discuss and exchange ideas about the future and viability of the transportation domain.

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#### TOPICS

Topics of interest include but are not limited to:

##### A. Cooperative Systems (vehicular networks)

Vehicle-to-vehicle communication, Vehicle-to-infrastructure communication, Applications: safety, efficiency, comfort; Architecture and system design, Positioning technologies, Privacy and security issues, Routing algorithms and protocols, Data fusion techniques

##### B. Field Operational Tests (FOT)

Database management systems, Nomadic devices, Data collection and aggregation, Roadside data management centers, Applications (e.g. intelligent speed adaptation, lane departure warning assist, ACC) and results

##### C. Human Machine Interaction (HMI)

Audible devices, Actuators and haptic devices, In-vehicle integrated systems, Accessibility and Disability, Adaptive interfaces, Design/evaluation methods, HMI education, User interface applications

##### D. Green driving & environmental friendly transport systems

Green traffic management, Green navigation, Electric vehicle technologies, Hybrid systems, Eco-driving, Sustainability in transport, Fuel economy, Emission reduction, Energy efficiency

##### E. Mobility Concepts for people and goods

Traveler information services, Trip planning, Traffic information systems, Route guidance and navigation, Fleet management, Freight transport services, Dangerous goods management, Tracking and tracing, Data exchange

## F. Traffic & Information Management

Traffic control and congestion management, Public transport planning and services, Incident management, Parking management and access control, Traffic surveillance

## G. Intelligent Vehicle Safety (IVS) Systems

Advanced driver assistance systems (ADAS), Environment perception, Real-time perception and data fusion, Vehicle localization and autonomous navigation, Autonomous vehicle systems, In-vehicle safety technology, Speed advice and driver notification, Cooperative services

## H. Sensor technologies for ITS applications

In-vehicle sensor systems, Infrastructure-based systems, Wireless sensor networks, Advanced sensors and actuators, Data fusion techniques

## I. Other topics

Vulnerable road users (cyclists, pedestrians, elderly, children), Digital maps, System architecture and system design, Wireless communication technologies, Embedded systems, Geographic Information Systems (GIS)

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## PUBLICATION

Accepted papers will be published by Springer in the [Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering](#) (LNICST) series.

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## SUBMISSION

Detailed submission and formatting instructions are available at <http://giftsconference.org/submission.shtml>

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## WORKSHOPS

Workshop proposals on emerging topics that are likely to generate significant interest and impact in the research community will be highly preferred. Workshop papers will be published in the GIFTS 2011 proceedings and will be available through Springer LNICST.

**Submission of workshop proposals: 31 July 2010**

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## TUTORIALS, DEMOS, INDUSTRY TRACKS

Proposals for tutorials, demos, and industry tracks are solicited. Potential organizers are welcome to submit proposals to the [General Chair](#).

**Submission deadline for tutorials, demos, and industry tracks: 10 September 2010**

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## **IMPORTANT DATES**

Papers due: **30 September 2010**

Notification of paper acceptance: **30 November 2010**

Submission of camera-ready papers: **15 January 2011**

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## **ORGANIZING COMMITTEE**

### **General Chair**

Angelos Amditis, Institute of Communication and Computer Systems, Greece

### **TPC Chair**

Ioannis Karaseitanidis, Institute of Communication and Computer Systems, Greece

For a complete list of committee and board members, please visit <http://giftsconference.org/committees.shtml>