



**GIFTS 2011**

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

www.giftsconference.org

16-18 March 2011 Athens, Greece

**PRELIMINARY CALL FOR PAPERS**

**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.

There will be technical sessions running in parallel during the conference. Special care will be taken by the organizers in order to avoid overlap between related topics. In this way, the attendees who are interested in a specific topic will not miss the latest developments related to this and exchange ideas with the corresponding experts.

**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)

**WORKSHOP/TUTORIAL PROPOSALS**

Proposals for workshops/demos/industry tracks are solicited. Potential organizers are welcome to submit proposals to the respective Chairs.

**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. The proceedings will be available in both soft and hard copies and will be submitted for review by various indexing services such as EI, DBLP, Google Scholar, SCOPUS, Scitopia and other important sites.

General Chair:

**Angelos Amditis**, Institute of Communication and Computer Systems, Greece

TPC Chair:

**Ioannis Karaseitanidis**, National Technical University of Athens, Greece

Workshops Chair:

**Stela Stancheva**, Create-Net, Italy

Tutorials Chair:

**Panagiotis Lytrivis**, NTUA, Greece

Local Chair:

**Angelos Amditis**, Institute of Communication and Computer Systems, Greece

Web Chair:

**Nikos Frangakis**, Greek Centre of European Studies & Research, Greece

**IMPORTANT DATES:**

Paper submission deadline:

**30 September 2010**

Notification deadline:

**30 November 2010**

Camera-ready submission deadline:

**15 January 2011**

Workshop proposal deadline:

**31 July 2010**

Workshop paper submission deadline:

**15 October 2010**

Tutorial proposal deadline:

**10 September 2010**

