

MOSIM 10
Special Session on
Intelligent Transportation Systems
"Modelling, Simulation and Control"

Special Session proposed by the GDR-MACS

(Modelling, Analysis, Management of complex transportation systems)

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Intelligent Transportation Systems (ITS) have been introduced in order to improve safety and performance of roads and freeways. Intelligent Transportation Systems are involved in the world context of the traffic flow congestion and make use of the development of the new technologies of information, particularly, in the simulation, real-time control and telecommunication networks.

The scientific community began to mobilize around the sixties to fight against the adverse effects of congestion. Indeed, the overall transportation infrastructure congestion represents a high socio-economic cost which is a consequence of air pollution, fuel consumption and hence, gases emissions, and time lost by users in transport.

While the construction of new infrastructure can no longer be considered as a viable alternative to solve the congestion problems, ITS represent the only effective way to improve the users quality of service.

Furthermore, the implementation of Intelligent Transportation Systems requires a well comprehension of all phenomena governing the traffic in order to implement the adequate management measures.

The objective of the proposed session is to present recent results in the field of traffic and Intelligent Transportation Systems. Mainly, the submitted papers must address the modelling, simulation and/or control of urban, inter-urban and freeways traffic flow.

The submission procedure is that of regular papers (**deadline 31 October 2009**). Authors must specify in their paper: "Paper submitted to the special session on **Intelligent Transportation Systems: Modelling, Simulation and Control**". The reviewers list will be established under the control of Scientific Committee.

Examples of the scientific topics:

- Modelling approaches of urban and inter-urban traffic flow;
- Modelling for Cooperative Transportation Systems;
- Techniques of Simulation and Optimization;
- Urban and inter-urban traffic flow control.