

## CALL FOR PAPERS

### Elsevier Transportation Research Part C Special Issue on

#### *Data Management in Vehicular Networks*

Recent advances in wireless networks and mobile devices have motivated an increasing interest in vehicular networks, both in academia and in industry. These networks open up several research problems, not only regarding networking protocols but also from the data management point of view. Indeed, of particular interest in vehicular networks is the possibility to share complex data (e.g., spatio-temporal, multimedia, etc.) between vehicles through the use of wireless communications and then exploit these data in an effective way. The final goal is to provide drivers with a variety of services, for safety reasons, for information purposes, or simply for entertainment. As concerns data management for vehicular networks, many challenges arise, such as how to share dynamic data between vehicles and provide efficient access to different data services. The objective of this special issue is to collect papers that reflect an overview of the current state of the art and a prospective of the research issues that need to be solved from the perspective of data management. The topics of interest include but are not limited to:

- Data management and mobile databases for vehicular networks
- Processing of spatio-temporal information for vehicular applications
- Data dissemination in VANETs
- Data aggregation in VANETs
- Ensuring data consistency, data privacy and data security in a vehicular network
- Management of multimedia data in vehicular networks
- Middlewares to develop data services for vehicular networks
- New applications and services on top of vehicular networks
- Semantic-based data management for vehicular networks

High-quality papers are solicited that will undergo the usual peer-review procedure of the journal for inclusion in the Special Issue. Authors must upload their manuscripts on the journal's web submission site (<http://ees.elsevier.com/trc/mainpage.html>) with the indication "*for the Special Issue on Data Management in Vehicular Networks*" mentioned in the cover letter.

#### **Guest Editors:**

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#### **Important Dates:**

Submission of Manuscripts: 30 November 2010

Peer-Review Results: 28 February 2011

Final Accepted Paper Submission: 30 July 2011

Special Issue Publication (tentative): End of 2011