Special Issue Call for Papers

Cloud Computing for ITS Applications

Guest Editor

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Cloud Computing is the revolution of a computing approach where the resources are shared and reused. It is a challenging concept in today’s transportation that leads to innovative ITS services and applications. Cloud Computing is applicable in various ITS areas such as traveler information, public transport, road safety, traffic management and control, road pricing, commercial vehicle and emergency vehicle. However, Cloud Computing in ITS has a different context from the internet or mobile application regarding to vehicular network connection constraint. This call for papers is intended to collect research works that apply the cloud computing concept to the ITS services/applications together with the key solutions to solve ITS constraint.

Authors are invited to submit papers, which are not under review in other conferences or journals. The suggested topics are the concept idea, state of the art, protocol, algorithm, implementation and service model in the following, but not limited to:

- Cloud Computing model for ITS
- ITS Services on Cloud
- Security, Privacy, Trust issues in ITS context
- Inter-, Intra-, Hybrid- Cloud in the ITS
- Connectivity and reliability
- SaaS, PaaS, IaaS for ITS applications
- Service Oriented Architecture (SOA) in ITS
- Quality of Service (QoS) and Performance
- Resource Management, Scalability, Scheduling, Accounting
- Cloud based V2V, V2I, VII
- Cloud infrastructure for ITS
- GRID network for ITS
- GIS cloud service for ITS

All topics and submission formats are open to both research and industry contributions.