Call for Papers

IEEE 2017 ITSC Workshop on Transportation 5.0

(co-located with IEEE ITSC 2017)
October 16th-19th, Yokohama, Japan

SCOPE:

   With the fast development and application of sensing, computing, and networking technologies, social media, wearable and mobile devices have produced huge volumes of real-time social and physical signals for transportation systems. Transportation 5.0, an emerging field of transportation research and applications, is based on Cyber-Physical-Social Systems (CPSS). Transportation systems, as one of the most complex man-made systems, face a number of complicated and cost/time/space-critical tasks. The goal of this workshop is to encourage people to solve or address these tasks by introducing CPSS based ITS, which can make better use of the pervasive real-time social signals as well as the physical signals. The main idea is to apply the CPSS based ITS technologies to conduct traffic planning, assignment, navigation, management, control and transportation analytics with lower cost, higher accuracy, faster speed, more agility and full response. We hope this workshop can attract transportation researchers and practitioners to join us along this promising new direction in ITS.

List of Topics:

- Cyber-Physical-Social Systems (CPSS) for transportation
- Parallel transportation with knowledge automation
- Parallel transportation for traffic control
- Software defined transportation systems
- Computational Transportation
- O2O (online to offline and vice versa) computational transportation experiments
- Social transportation: traffic and transportation analytics with big data and social signals
- Crowdsourcing mechanisms for transportation-based Internet of Everything
- New and smart ITS services beyond location-based services (LBS): decision-based services (DBS), task-based services (TBS), information or intelligence-based services (IBS) or knowledge-based services (KBS)
- ITS with Mobile Internet, Cloud Computing, and Internet of Things, Services, and Everything

Important Dates:

Papers submission: Jun 30th, 2017
Notification of acceptance/rejection: Jul 25th, 2017
Camera-ready version due: Aug 10th, 2017
Conference days: October 16th -19th, 2017

Paper Submission:

   Prospective authors are required to submit their manuscripts electrically through EDAS (**https://www.edas.info/N23219**) and select "**[WS09] Transportation 5.0**". Submitted papers shall not

exceed six pages as a pdf file in IEEE two column format. See more detailed information at the conference website (http://www.itsc2017.org/) to prepare your paper.

Organizers:

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