



Intelligent Transportation System

A Special Track of the
13th International Symposium on Visual Computing (ISVC'18)

<http://www.isvc.net>

November 19-21, 2018, Las Vegas, Nevada, USA

Scope:

The influence of Intelligent Transportation Systems (ITS) has enlarged from increasing capacity and mobility to improving the overall transportation experience through safety, reliability, and sustainability. ITS technologies encompass differs application spaces from sensor for data collection and traffic management, technologies to enable self-driving vehicles, to mobility services. These technologies are paving the way toward better transportation networks which benefit all.

Computer vision technologies have become a valuable asset and a critical component for unlocking the full potential of many ITS related applications. There are a number of challenges to be solved before widespread acceptance of the technology and full integration and utilization in industry. The purpose of this special track is to advance the current state of the art in ITS with respect to visual processing technologies and to highlight successful applications.

Topics:

The topics of interest include, but are not limited, to the following areas:

- Video Surveillance
- Traffic Monitoring and Pattern Analysis
- Autonomous or Semi-Autonomous Vehicles
- Visual Driving Assistance Systems
- Vehicle Detection, Classification, and Tracking
- Pedestrian Detection and Tracking
- Driver Intent Prediction
- Mobility Services and Applications
- License Plate Recognition

- Road Sign Detection and Classification
- Urban Driving Assistance Systems
- Intersection Safety Monitoring and Analysis
- Deep learning in the application of intelligent transportation systems
- Vision based localization for autonomous vehicles

Paper Submission Procedure:

Papers submitted to the Special Track must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera-ready format and should not exceed **12 pages**, including figures and tables (see <http://www.isvc.net> for details). All papers accepted will appear in the symposium proceedings which will be published by **Springer-Verlag** in the **Lecture Notes in Computer Science (LNCS)** series.



Important Dates:

Paper Submissions	July 2, 2018
Notification of Acceptance	August 13, 2018
Final Camera Ready Paper	September 17, 2018
Advance Registration	September 17, 2018
ISVC Hotel Reservation	October 19, 2018
ISVC'18	November 19-21, 2018

Organizers:

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