

ATS 2015 Call for papers

We are pleased to announce the call for papers for a workshop on Automatic Traffic Surveillance, to be held in conjunction with the 12th IEEE International Conference on Advanced Video and Signal based Surveillance (AVSS) in Karlsruhe, Germany, on August 25, 2015.

<http://avss2015.org/program/august-25-workshop-demo-day/1st-workshop-on-automatic-traffic-surveillance-ats-2015/>

ATS 2015

1st Workshop on Automatic Traffic Surveillance (ATS 2015)

Important Dates:

Deadline for submission of electronic paper: June 1, 2015 Notification of acceptance: June 19, 2015

Deadline for camera-ready version: June 29, 2015 Workshop in Karlsruhe: August 25, 2015

Motivation:

The socio-economic costs of traffic accidents constitute a significant burden on society and decision makers therefore focus on reducing these numbers. In the EU, for example, the objective is to reduce the number of deaths with 50% by 2020. Many different research agendas need to be investigated before this can be realized.

Scope of the Workshop:

The focus of this workshop is one of the core disciplines, namely how to develop and employ automatic traffic surveillance systems that can detect, track and in general understand the behavior of road-users. This workshop will gather not only signal processing researchers interested in these topics, but also traffic researchers and decision makers. Original research papers related to the following topics are welcome:

Detection and tracking of road-users (pedestrians, vehicles, bikes, mopeds, etc.) Behavior understanding of road-users Multi-sensor approaches to the above topics (for example: visual light combined with Lidar) User-centric approaches to the above topics (for example: vehicle-mounted sensing) Employment of systems into real-life setups (theoretical and practical challenges) Automatic understanding of the environment in traffic scenarios (for example: road signs, traffic light, lanes) Applications related to traffic surveillance

Organizers:

Thomas B. Moeslund, Aalborg University, Denmark (e-mail: tbm@create.aau.dk) Kalle Åström, Lund University, Sweden (e-mail: kalle@maths.lth.se) Nicolas Saunier, Polytechnique Montreal (e-mail: nicolas.saunier@polymtl.ca)

Invited Speaker:

Professor Mohan Trivedi (see website), Head of the Laboratory for Intelligent & Safe Automobiles, University of California, San Diego (UCSD)

Paper Submission Guidelines:

The guidelines will follow the main conference guidelines <http://avss2015.org/author-guidelines/>. The workshop proceedings will be published in IEEE Xplore digital library, together with main conference proceedings.

For paper submission please register to the following CMT: <https://cmt.research.microsoft.com/ATS2015/>

We are looking forward to receive your submission!