

## **Workshop Title**

Application of Multi-Sensor Fusion Technology for Autonomous Driving

## **Description of the Workshop**

This workshop focuses on state-of-the-art multi-sensor fusion in real applications. Recent years , many applications use multi-sensor fusion technology in order to combine the data provided by the multiple sensors to achieve complementary information about the scene. However, the multi-sensor fusion approaches suffer from two main challenges, which are (1) the auto calibration of sensors for bringing their readings into a common coordinate frame, (2) the feature extraction from various types of sensory data, and (3) the selection of a suitable fusion level.

The aim of this workshop is to give the opportunity to explore the mentioned challenges in the multi-sensor fusion architecture. The list of speakers and their title includes:

- 1- Dr. Fahimeh Farahnakian, Deep Learning based Multisensor Fusion for Autonomous Ships
- 2- Prof. Jukka Heikkonen, Application of Multi-Sensor Fusion Technology for Autonomous Forest Harvest
- 3- M.Sc Stefan Nord, Dependable Positioning and Time for Automated Transports

The duration of each presentation is 20 minutes and 5 mins for questions.