

Open positions at T-SMART Lab, Technion, Israel

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The Technion Sustainable Mobility and Robust Transportation (T-SMART) Laboratory conducts research on the theory and practice of traffic flow and control for smart transportation systems. The T-SMART lab aims at minimizing network delays and increasing mobility and accessibility, with the help of real-time data from advanced sensor and information technologies.

Open Positions

- ✚ Post-Doctoral researcher
- ✚ Ph.D. Students
- ✚ M.Sc. Students

Recommended Background

- Traffic Flow Theory
- Control Theory
- Robust Control
- Estimation Theory
- Large-scale Distributed Control
- Predictive Control
- Autonomous Vehicles

Available Topics

- ✚ Traffic Flow Control for Signalized Intersections in Presence of Vehicle Automation
- ✚ Automatic Incident Detection in Freeways by Bluetooth Based Tracking
- ✚ Hierarchical management and control for large-scale transportation systems
- ✚ Optimal control for isolated or paired signalized intersections
- ✚ Integrated control for freeways
- ✚ Network flow monitoring and estimation from multi-sensor data
- ✚ Control design of robust transportation systems
- ✚ Improving transportation energy efficiency in urban cities by network traffic control

Graduated student from following faculties are encouraged to apply -

- ✚ Civil engineering
- ✚ Computer science
- ✚ Electrical engineering
- ✚ Mechanical engineering

The positions are available starting from October 2018, and applications can be submitted until suitable candidates have been found.

For more information, please contact Asst. Prof. Haddad at jh@technion.ac.il or visit: tsmart.net.technion.ac.il

