



Ministry of Transportation
**Automated and Green
transportation R&D program**

Zeev Shadmi
Research & ITS Program Manager
Chief Scientist office
Ministry of Transportation and Road Safety

Challenges for the 2016 – 2017 R&D Program

1. **Traffic management and control** to improve traffic flow and safety
2. **Improve mobility and accessibility**, quality of service and safety in all modes of transportation in metropolitan areas
3. Develop and demonstrate advanced **intelligent transportation systems (ITS)** and technologies
4. **sustainable transportation**: Enhance energy efficiency, reduce environmental impacts and emissions of pollutants and greenhouse gases.

On-going R&D and demonstration projects (Government sponsored projects)

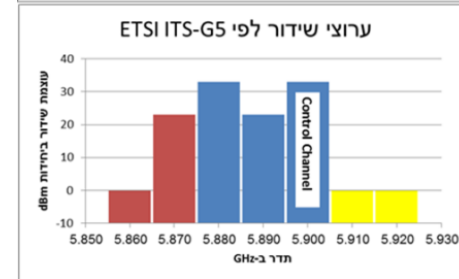
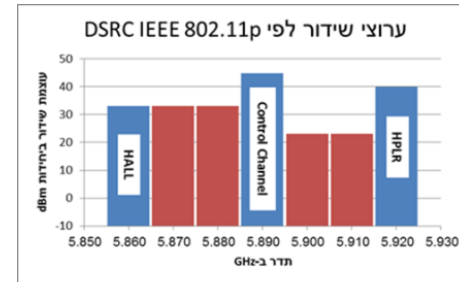
- Ride Sharing and EV car sharing schemes
- Electric buses: batteries, Ultra-Capacitors
- Inductive charging
- CNG for buses, trucks
- M15 (Gasoline – Methanol mixture)
- Personal Rapid Transit – SkyTran

Cooperative ITS

DSRC 5.9 GHz

ETSI EN 302 571 ITS-G5

- Regulation of DSRC 5.9 GHz
- Minimum set of Standards
- Establish Communication Safety mechanism PKI
- Demonstration projects



ערוצי בטיחות ITS
ערוצים ל-ITS וישומים אחרים
שמור לשימוש עתיד

Automated Driving Test Center

- Decision to establish a test center (Netanya)
- Site already designated, pending statutory regulation (Municipality)
- Draft principles for design already circulating
- Concept of Operations still under discussions

Target date: December 2017

For more information

Zeev Shadmi

shadmiz@mot.gov.il

02-6663390