Research areas & goals

Our goal is to study pedestrian behavior at large with aims to impact the traffic safety community, urban design and pedestrian alert systems (PAS).

We examine pedestrians behavior in relation to:
- Road characteristics
- Environmental and urban factors
- Distractions from portable devices
- Enhancement of skills
- Body parts movement
- Conflicts between pedestrians and other vulnerable road users (e.g., cyclists, e-bike riders)

With regard to age-based differences:
- We look at three categories of Child pedestrians 7-8 years old, 9-10 years old and 11-13 years old.
- We look at teenagers 15-18 and young drivers
- We study older pedestrians

• Located in the “the capital of the Negev”, the fourth most populated area in Israel, we have access to schools, students, university students, and senior citizens.

People

Prof. Tal Oron-Gilad, Head
Dr. Yisrael Parmet
Hagai Tapiro, Doctoral student and Lab manager
Daniel Rokni, Graduate student
Affiliates: Anat Meir, Avinoam Borowsky, Raziel Riemer

Facilities

Portable simulator

VT MAK simulation tools on a typical local 3D urban model

Dome simulator

Real environments panoramic video & stills, capturing and projecting capabilities

Eye tracking and motion capturing capabilities

Publications:


Contact us: https://www.researchgate.net/project/Pedestrian-behavior; www.tal.orongilad.com; orontal@bgu.ac.il; tapiroh@post.bgu.ac.il