

EDU: Capacity Building in Security, Privacy and Trust for Geospatial Applications



Challenge:

- Mobile revolution brought apps that make extensive use of location data
- Research results emphasize the need for SPT when using location data
- However, very few such results are present today in University and Community College curricula

Solution:

- Develop a set of *effective educational tools* for geospatial SPT
- Undergraduate and graduate *course modules*
- *Educational games* for high-school students, CS pathway courses

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Direct Impact:

- Educate a workforce prepared to deal with SPT problems in ubiquitous mobile apps
- Stimulate further research in the area through better dissemination of results

Broader Impact:

- Raise awareness within general mobile user population about SPT risks
- Increase young generation's interest (e.g., high school students) in challenges and solutions regarding protection of location data
- Accelerate adoption of much-needed SPT techniques in production apps