

**November 2020 S<sup>2</sup>ERC Showcase**  
***Snapshots Selected for Presentation***

Title	Category	PI(s)	University
Business modeling of software ecosystems	Software Engineering	Pekka Abrahamsson Gabriella Laatikainen	Jyväskylä
Combinatorial Design-based Input Space Models for Effective Function Testing	Software Engineering	W. Eric Wong Linghuan Hu	UT-Dallas
Converging or Diverging: Leveraging Statistical Testing with Combinatorial Test Design	Software Engineering	Lan Lin	Ball State
Monitoring and Validation of the Microservice Architecture	Software Engineering	Xin Sun	Ball State
AI/ML Adversarial Techniques, Tools and Common Knowledge (ATT&CK)	Security & Software Engineering	Mehdi Mirakhorli	RIT
Identification of Software Vulnerabilities using Transitional-Deductive Models	Security & Software Engineering	W. Eric Wong Shou-Yu Lee	UT-Dallas
Interpretable Detectors for Bugs and Vulnerability	Security & Software Engineering	Shaohua Wang Tien N. Nguyen	UT-Dallas
Security tool orchestration (SECTO)	Security & Software Engineering	Rauli Kaksonen	Oulu