

November 2019 S²ERC Showcase
New Proposal Snapshots Selected for Presentation

Proposal Title	Category	PI(s)	University
iDetect: Intelligent System Intrusion Detection based on Event-Driven Deep Learning	Security	Shaoen Wu	Ball State
Effective Risk Analysis: Risk Analysis Tree	Software Engineering	Kirthy Kolluri Lawrence Chung	UT-Dallas
High-Quality Recommendations: A Goal-Oriented, Ontology- and Machine Learning-Based, Interactive Approach	Software Engineering	Ronaldo P. Goncalves Ju Lawrence Chung	UT-Dallas
Leveraging Rigorous Software Specification and Testing to Developing and Orchestrating Reliable Applications for Network Softwarization	Software Engineering	Lan Lin Xin Sun	Ball State
Refactoring large and complex business systems into high-quality microservices: A Non-Functional Requirements Perspective	Software Engineering	Haan Mo Johng Lawrence Chung	UT-Dallas
Towards Effective Conflict Resolution During Software Development: A Goal-Oriented, Knowledge-Based, and Machine Learning Approach	Software Engineering	Robert Sungsoo Ahn Lawrence Chung	UT-Dallas
Understanding and Implementing Acceptance Test Driven Development	Software Engineering	Paul Gestwicki	Ball State
Automated Configuration Validation for Microservice Architectures	Security & Software Engineering	Xin Sun	Ball State
Profiling User Activity for Security with Ethical Oversight	Security & Software Engineering	Susanna Pirttikangas	Oulu