

June 2019 S²ERC SHOWCASE AGENDA

19-20 June 2019 • Hosted by the University of Oulu • Oulu, Finland

Tuesday, 18 June

19:00-21:00

Networking Reception (appetizers & cocktails) – Lobby and Restaurant Oula, Lapland Hotel, Kirkkokatu 3, Oulu
Welcome to Oulu - Juha Ala-Mursula, Executive Director, Business Oulu

Wednesday, 19 June

08:00-09:00

Check-in / Breakfast / Poster Session – Entrance, Tellus Innovation Arena



09:00-09:10

Welcome & Introductions – Stage, Tellus Innovation Arena
 Taina Pihlajaniemi, Vice Rector, University of Oulu

09:10-09:35

State of the S²ERC
 Wayne Zage, S²ERC Director, Ball State University

09:40-09:55

Coffee Break – Restaurant Foobar



10:00-10:25

Special Topic: 5G Research and Experiments – Stage, Tellus Innovation Arena
 Olli Liinamaa, Ecosystem Manager and 5G Test Network Lead, Nokia and Oulu University

10:25-10:35

LIFE Form & Benefits Survey Instructions – Stage, Tellus Innovation Arena
 Vida Scarpello, I/UCRC Evaluator

10:35-11:35

Session 1: New Proposals

10:35-10:50 *Proof-of-concept for intelligent contracts using blockchain*
 Pekka Abrahamsson, University of Jyväskylä

10:55-11:10 *Generating Sensible Augmented Software Test Cases with Deep Learning*
 Shaoen Wu, Ball State University

11:15-11:30 *ProGame – Behavioral Profiling for Games*
 Mauri Miettinen (presenting), Susanna Pirttikangas, Ella Peltonen, Lauri Lovén; University of Oulu

11:35-11:55

IAB Meeting – Frost Room, Tellus Innovation Arena



12:00-12:55

Lunch Break – Restaurant Kastari



13:00-14:40

Session 2: New Proposals

13:00-13:15 *Leveraging Rigorous Software Specification and Testing to Developing and Orchestrating Reliable Applications for Network Softwarization.* Xin Sun, Lan Lin; Ball State University

13:20-13:35 *Automated Fix Recommendation to Vulnerabilities*
 Shaoen Wu, Ball State University

13:40-13:55 *Sequential Data Integrity*
 Clare Sullivan (presenting), Daniel Shin, Shin'ichiro Matsuo; Georgetown University

14:00-14:15 *Experimental Optimization of Privacy Protection Methods (OPTIPRI)*
 Ulrico Celentano, University of Oulu

14:20-14:35 *Formal Verification of TCP-AO*
 Rahel Fainchtein (presenting), Clare Sullivan, Eric Burger; Georgetown University

14:45-15:00



Coffee Break – Restaurant Foobar



15:05-15:30

IAB Meeting – Frost Room, Tellus Innovation Arena



15:30-16:15	Session 3: Status Reports – Stage, Tellus Innovation Arena		
	15:30-15:40	<i>Code Duplication ++</i> Dolores Zage (presenting), Wayne Zage, Nathan White; Ball State University	
	15:45-15:55	<i>Bridging the Reverse Engineering Gap from ADA to fUML – Remote Presentation</i> Huseyin Ergin, Ball State University	
	16:00-16:10	<i>Testing Internet of Things: An Enhanced Combinatorial Testing and Graph-based Technique</i> Eric Wong, University of Texas – Dallas	
	16:15-16:25	<i>Automated and Assurable Security Policy Migration to Software-defined Networking</i> Xin Sun, Ball State University	
16:30-17:00	Closed IAB Meeting – Frost Room, Tellus Innovation Arena IAB Members, NSF Representatives, I/UCRC Evaluator		
18:00-21:00	Cocktails & Banquet Dinner – Fingersoft, Aleksanterinkatu 4-6, Oulu Presenter: Jarno Limnell, Professor of Cybersecurity, Aalto University, Finland		

Thursday, 20 June

08:00-09:00	Check-in / Breakfast / Poster Session – Entrance, Tellus Innovation Arena	 	
09:00-09:15	Introducing Cyber SMART Clare Sullivan, Managing Director, Georgetown University S ² ERC		
09:15-10:15	Session 4: Status & Final Reports – Stage, Tellus Innovation Arena		
	9:15-9:25	<i>Integrating Modeling to Increase Abstraction in the Code – Final Report, Remote Presentation</i> Huseyin Ergin, Ball State University	
	9:30-9:40	<i>PROTECT - exPLoring the tRadeOff beTweEn privaCy and uTility</i> Ulrico Celentano, University of Oulu	
	9:45-9:55	<i>How Far Could Mathematics and Rigor Take Us?</i> Lan Lin, Ball State University	
	10:00-10:10	<i>Improving Software Code Security with Automated Vulnerability Analysis and Inference with Multi-Case Based Reasoning.</i> Shaoen Wu, Ball State University	
	10:15-10:25	<i>Compiler Tools for CPI Protection</i> Anway Mukherjee (presenting), Eli Tilevich, Tam Chantem, T. Charles Clancy; Virginia Tech	
10:35-10:55	Coffee Break – Restaurant Foobar		
11:00-11:30	IAB Meeting – Aspire Room, Tellus Innovation Arena		
11:30-11:55	Special Topic: 6G Flagship – Stage, Tellus Innovation Arena Ari Pouttu, Professor, University of Oulu		
12:00-12:55	Lunch Break – Restaurant Kastari		
13:00-13:15	Benefits of S²ERC Membership Niko Candelin, Director, Chairman , Netox, Ltd.		
13:15-13:30	Closing Remarks Wayne Zage, S ² ERC Director, Ball State University		
13:30-14:30	Final IAB Meeting – Aspire Room, Tellus Innovation Arena		