

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
 Jouko Niinimäki, Rector, University of Oulu

09:10-09:30

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

09:30-09:45

Benefits of S²ERC Membership
 Niko Candelin, Director, Chairman, Netox, Ltd.

09:45-10:00

Coffee Break – Restaurant Foobar



10:00-10:10

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

10:10-11:30

Session 1: New Proposals

10:10-10:25 *Proof-of-concept for intelligent contracts using blockchain*
 Pekka Abrahamsson, University of Jyväskylä

10:30-10:45 *Generating Sensible Augmented Software Test Cases with Deep Learning*
 Shaoen Wu, Ball State University

10:50-11:05 *ProGame – Behavioral Profiling for Games*
 Mauri Miettinen (presenting), Susanna Pirttikangas, Ella Peltonen, Lauri Lovén; University of Oulu

11:10-11:25 *Formal Verification of TCP-AO*
 Clare Sullivan (presenting), Eric Burger; Georgetown University

11:30-11:55

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

14:20-14:50



IAB Meeting – Frost Room, Tellus Innovation Arena



14:50-15:10

Coffee Break – Restaurant Foobar



15:10-16:25	Session 3: Status Reports – Stage, Tellus Innovation Arena		
	15:10-15:20	<i>Code Duplication ++</i> Dolores Zage (presenting), Wayne Zage, Nathan White; Ball State University	
	15:25-15:35	<i>Bridging the Reverse Engineering Gap from ADA to fUML – Remote Presentation</i> Huseyin Ergin, Ball State University	
	15:40-15:50	<i>Compiler Tools for CPI Protection</i> Anway Mukherjee (presenting), Eli Tilevich, Tam Chantem, T. Charles Clancy; Virginia Tech	
	15:55-16:05	<i>Testing Internet of Things: An Enhanced Combinatorial Testing and Graph-based Technique</i> Eric Wong, University of Texas – Dallas	
	16:10-16:20	<i>Automated and Assurable Security Policy Migration to Software-defined Networking</i> Xin Sun, Ball State University	
16:25-16:55	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 Linnéll, Professor of Cybersecurity, Aalto University, Finland		

Thursday, 20 June

08:00-09:00	Check-in / Breakfast / Poster Session – Entrance, Tellus Innovation Arena		 
09:00-10:15	Session 4: Status & Final Reports – Stage, Tellus Innovation Arena		
	9:00-9:10	<i>Integrating Modeling to Increase Abstraction in the Code – Final Report, Remote Presentation</i> Huseyin Ergin, Ball State University	
	9:15-9:25	<i>PROTECT - exploring the tRadeOff beTweEn privaCy and uTility</i> Ulrico Celentano, University of Oulu	
	9:30-9:40	<i>How Far Could Mathematics and Rigor Take Us?</i> Lan Lin, Ball State University	
	9:45-9:55	<i>Improving Software Code Security with Automated Vulnerability Analysis and Inference with Multi-Case Based Reasoning.</i> Shaoen Wu, Ball State University	
	10:00-10:10	<i>Update and Analysis of the TCP Authentication Option (TCP-AO)</i> Rahel Fainchtein, Georgetown University	
10:15-10:35	Coffee Break – Restaurant Foobar		
10:35-11:00	IAB Meeting – Aspire Room, Tellus Innovation Arena		
11:00-11:30	Special Topic: 5G Research and Experiments – Stage, Tellus Innovation Arena Olli Liinamaa, Ecosystem Manager and 5G Test Network Lead, Nokia and Oulu University		
12:00-12:55	Lunch Break – Restaurant Kastari		
13:00-13:30	Special Topic: 6G Flagship – Stage, Tellus Innovation Arena Matti Latva-aho, Professor, University of Oulu		
13:30-13:45	Closing Remarks Wayne Zage, S ² ERC Director, Ball State University		
13:45-14:45	Final IAB Meeting – Aspire Room, Tellus Innovation Arena		