

Grand Challenges in Resilience Technical Program

November 14 (Tuesday)	
9:00 – 9:10 AM	Inauguration of the workshop: Saurabh Bagchi
9:10 – 9:15 AM	ECE Welcome: Milind Kulkarni
9:15 – 10:15 AM	Keynote A: Ramesh Govindan (USC)
10:15 – 10:35 AM	Invited talk 1: Alex Gantman (Qualcomm)
10:35 – 11:00 AM	Break
11:00 AM – 12:00 PM	Panel 1: AI: Where the Virtual and the Physical Converge Somali Chaterji (M); Eugenio Culurciello, Ramesh Govindan, Yin Li, Greg Shaver, Christian Maciocco; Andrew Perrault (R)
12:00 – 12:20 PM	Invited talk 2: Tim Weninger (Notre Dame)
12:20 – 12:30 PM	CoE Welcome: Arvind Raman
12:30 – 1:45 PM	Lunch
1:45 – 2:45 PM	Breakout session (Two in parallel) Topic 1: Post-Moore and emerging computing platforms: Vishal Shrivastav (L), Hank Hoffmann (R)) [<i>Large Conference Room</i>] Topic 2: Next big research challenges in resilient cyber systems: Jing Gao (L), Lu Su (R) [<i>Howard Taylor Conference Room</i>]
2:45 – 3:05 PM	Invited talk 3: Yin Li (Wisconsin)
3:05 – 3:30 PM	Break
3:30 – 4:30 PM	Panel 2: Role of Resilience in Cyber-Physical Systems Saurabh Bagchi (M); Saman Zonouz, Nalini Venkatasubramanian, Dongyan Xu, Kang Shin; Mahsa Ghasemi (R)
4:30 – 4:50 PM	Invited talk 4: Anirudh Sivaraman (New York University)
4:50 – 5:10 PM	Invited talk 5: Kang Shin (Michigan)

5:10 – 5:20 PM	Federal program announcement: Priya Narayanan (Army Research Lab)
5:20 – 5:30 PM	Federal program announcement: David Corman (NSF)

November 15 (Wednesday)	
9:00 – 9:10 AM	VPR Welcome: Karen Plaut
9:10 – 9:20 AM	Federal program announcement: Enrique Matheu (Army)
9:20 – 10:20 AM	Keynote B: Christian Maciocco (Intel)
10:20 – 10:40 AM	Invited talk 6: Fish Wang (Arizona State)
10:40 – 11:10 AM	Break
11:10 AM – 12:00 PM	Breakout session (Two in parallel) Topic 3: Applications that demand new security and reliability techniques: Aravind Machiry (L); Reyhaneh Jabbarvand (R) [<i>Large Conference Room</i>] Topic 4: Are there CPS challenges for autonomous systems and smart communities: Somali Chaterji (L); Enrico Bonello (R) [<i>Howard Taylor Conference Room</i>]
12:00 – 1:00 PM	Lunch
1:00 – 2:00 PM	Panel 3: Bridging the Gap between Academic and Industrial Research Muhammad Shahbaz (M); Rama Govindaraju, Tianyin Xu, Vinu Joseph, Matthew TanCreti, Daniel Kang; Vinu Joseph (R)
2:00 – 2:50 PM	Report outs from the 4 breakout sessions: 10 minutes each plus 10 minutes transition time
2:50 – 3:00 PM	Takeaways and invitation for vision papers: Saurabh Bagchi