

# 2014 Transportation CPS Workshop Program Agenda

Submitted by [Katie Dey](#) on Mon, 01/06/2014 - 10:18am

## PROGRAM AGENDA

National Science Foundation - 2014 National Workshop on Transportation Cyber-Physical Systems

Thursday, January 23, 2014		Meeting Room
7:30 a.m. ? 8:30 a.m.	Registration and Continental Breakfast	Riverview Foyer
8:30 a.m. ? 8:40 a.m.	Opening Remarks, Introductions, Workshop Goals: Keith Marzullo (NSF)	Riverview
8:40 a.m. ? 8:55 a.m.	<a href="#">Invited Talk ? Government: David Kuehn (DOT)</a>	Riverview
8:55 a.m. ? 9:10 a.m.	<a href="#">Invited Talk ? Industry: John Capp (GM)</a>	Riverview
9:10 a.m. ? 9:25 a.m.	<a href="#">Invited Talk ? Academia: Raj Rajkumar (Carnegie Mellon &amp; Workshop Chair)</a>	Riverview
9:25 a.m. ? 9:40 a.m.	Break	Riverview Foyer
9:40 a.m. ? 11:55 a.m.	<b>Session I: Connected Vehicles and Automation</b>	
9:40 a.m. ? 10:25 a.m.	Invited Talks (Plenary): <a href="#">Ruzena Bajcsy (UC-Berkeley)</a> / <a href="#">Umit Ozguner (Ohio State)</a> / <a href="#">Panagiotis Tsiotras (GA Tech)</a>	Riverview
10:25 a.m. ? 11:25 a.m.	Breakout Sessions (Parallel)	
	1. <a href="#">Controls and V2V</a> : Tian He (Minnesota) - Moderator / Marco Pavone (Stanford) - Scribe \ Wei Yu (Towson)	Riverview
	2. <a href="#">Safety and Dependability</a> : Shige Wang (GM) - Moderator / Yaser Fallah (West Virginia) - Scribe	Archimedes
	3. <a href="#">Human Factors</a> : Paul Green (Michigan) - Moderator / Lili Du (Illinois Inst. of Tech) - Scribe	Tera
11:25 a.m. ? 11:55 a.m.	Session I Breakout Summary Reports (Plenary)	Riverview
11:55 a.m. ? 12:55 p.m.	Lunch	Riverview Foyer
12:55 p.m. ? 3:10 p.m.	<b>Session II: Aviation</b>	

12:55 p.m. ? 1:40 p.m.	Invited Talks (Plenary): James Paunicka (Boeing) / <a href="#">Hamsa Balakrishnanan (MIT)</a> / <a href="#">Parimal Kopardekar (NASA)</a>	Riverview
1:40 p.m. ? 2:40 p.m.	Breakout Sessions (Parallel)	
	1. <a href="#">Aerial Networks</a> : Natasha Neogi (NIA Net ) - Moderator / Yan Wan (North Texas) - Scribe	Riverview
	2. <a href="#">UAVs</a> : Christine Belcastro (NASA) - Moderator / Sumit Kumar Jha (Central Florida) - Scribe	Archimedes
	3. <a href="#">Next-Gen Aviation</a> : Kagan Tumer (Oregon State) - Moderator / Krishna Sampigethaya (Boeing) - Scribe	Tera
2:40 p.m. ? 3:10 p.m.	Session II Breakout Summary Reports (Plenary)	
<b>3:10 p.m. ?</b> <b>3:25 p.m.</b>	<b>Break</b>	Riverview Foyer
<b>3:25 p.m. ?</b> <b>5:25 p.m.</b>	<b>Session III: Infrastructure, Cloud-Based Systems, Green Approaches</b>	
3:25 p.m. ? 3:55 p.m.	Invited Talks (Plenary): <a href="#">Wei Zhao (Macau-China)</a> / <a href="#">Aniruddha Gokhale (Vanderbilt)</a>	Riverview
3:55 p.m. - 4:55 p.m.	Breakout Sessions (Parallel)	
	1. <a href="#">EVs and Personalization</a> : Ralf Birken (Northeastern) - Moderator / Jie Fu (UPenn) - Scribe	Riverview
	2. <a href="#">Integration</a> : Nalini Venkatasubramanian (UC-Irvine) - Moderator / Wei Yu (Towson) - Scribe	Archimedes
	3. <a href="#">Cloud Infrastructure</a> : Joseph Loyall (BBN) - Moderator / Ting Zhu (Binghamton) - Scribe	Tera
4:55 p.m. ? 5:25 p.m.	Session III Breakout Summary Reports (Plenary)	
<b>5:25 p.m. ?</b> <b>6:00 p.m.</b>	<b>Day 1 Wrap-Up/Review of Day 2 Proceedings</b>	Riverview
<b>6:00 p.m.</b>	<b>End of Day 1 Sessions</b>	
<b>Friday, January 24, 2014</b>		
<b>7:00 a.m. ?</b> <b>8:00 a.m.</b>	<b>Registration and Continental Breakfast</b>	Riverview Foyer
<b>8:00 a.m. ?</b> <b>10:15 a.m.</b>	<b>Session IV: Model-Based Design, Verification and Validation</b>	
8:00 a.m. ? 8:45 a.m.	Invited Talks (Plenary): <a href="#">Peter Seiler (Minnesota)</a> / <a href="#">Phil Koopman (Carnegie Mellon)</a> / <a href="#">Xenofon Koutsoukos (Vanderbilt)</a>	Riverview
8:45 a.m. ? 9:45 a.m.	Breakout Sessions (Parallel)	
	1. <a href="#">Testing and Verification</a> : Ken Butts (Toyota) - Moderator / Georgios Fainekos (Arizona State) - Scribe	Riverview

	2. <a href="#">Model-Based Design</a> : William Milam (Ford) - Moderator / Oleg Sokolsky (UPenn) - Scribe	Archimedes
	3. <a href="#">Formal Methods</a> : Dan Work (UIUC) - Moderator / Tom Fuhrman (GM) - Scribe	Tera
9:45 a.m. ? 10:15 a.m.	Session IV: Breakout Summary Reports (Plenary)	Riverview
10:15 a.m. ? 10:30 a.m.	<b>Break</b>	Riverview Foyer
10:30 a.m. ? 12:45 p.m.	<b>Session V: Cyber-Physical Security and Privacy</b>	
10:30 a.m. ? 11:00 a.m.	Invited Talks (Plenary): <a href="#">Suhas Diggavi (UCLA)</a> / <a href="#">Ulf Lindqvist (SRI)</a>	Riverview
11:00 a.m. ? 12:00 p.m.	Breakout Sessions (Parallel)	
	1. <a href="#">Trustworthiness</a> : Marco Gruteser (Rutgers) - Moderator / Sriram Chellappan (Missouri S&T) - Scribe	Riverview
	2. <a href="#">Defense Strategies and Mechanisms</a> : S. Felix Wu (UC-Davis) - Moderator / Stephane LaFortune (Michigan) - Scribe	Archimedes
	3. Resilience: Saurabh Amin (MIT) - Moderator / Xenofon Koutsoukos (Vanderbilt) - Scribe	Tera
12:00 p.m. ? 12:30 p.m.	Session V Breakout Summary Reports (Plenary)	Riverview
12:30 p.m. ? 1:00 p.m.	<b>All Issues: Brainstorming and Report Outline (Plenary) : Raj Rajkumar (CMU and Workshop Chair)</b>	Riverview
1:00 p.m. ? 1:15 p.m.	<b>NSF Feedback: David Corman (NSF)</b>	Riverview
1:15 p.m.	<b>Workshop Adjourned</b>	
--- Report Drafting Team ---		
1:15 p.m. ? 3:15 p.m.	<b>Working Lunch: Report Drafting: Raj Rajkumar (CMU and Workshop Chair) / David Corman (NSF)</b>	Powilatis
3:15 p.m. ? 3:30 p.m.	<b>Plan for Completion</b>	

