Wednesday, November 5, 2014	
6:00 p.m. - 9:00 p.m.	**Early Registration**
Thursday, November 6, 2014	
7:30 a.m. - 5:00 p.m.	**Registration**
8:00 a.m. - 5:00 p.m.	**CPS VO Help Desk**
7:30 a.m. - 8:40 a.m.	**Continental Breakfast**
8:40 a.m. - 9:00 a.m.	**NSF Welcome and Opening -** *Suzanne Iacono / Grace Wang for Pramod Khargonekar / Keith Marzullo*
9:00 a.m. - 10:10 a.m.	**Session 1: Keynotes -** *Session Chair: Gurdip Singh (NSF)*
9:00 a.m. - 9:35 a.m.	**Internet of Safe Things -** *Feng Zhao (Microsoft)*
9:35 a.m. - 10:10 a.m.	**Responsive Cities -** *Kent Larson (MIT Media Lab)*
10:10 a.m. - 10:55 a.m.	**Internet of (Agricultural) Things as a Path Forward to Addressing the 9 Billion Food and Nutrition Problems -** *Sonny Ramaswamy (NIFA)*
10:55 a.m. - 11:15 a.m.	**Break**
11:15 a.m. - 12:10 p.m.	**Session 2: 2013 - 2014 CPS Program Activities / Workshop Panel -** *Session Chair: Radhakishan Baheti (NSF)*
11:15 a.m. - 11:30 a.m.	**2013 CPS Energy Workshop -** *Anuradha Annaswamy (MIT)*
11:30 a.m. - 11:45 a.m.	**2014 CPS Transportation Workshop -** *Eric Feron (GA Tech)*
11:45 a.m. - 12:00 p.m.	**2014 CPS Medical Workshop -** *Scott Smolka (SUNY Stony Brook)*
12:00 p.m. - 12:10 p.m.	**Wrap-Up and Plans**
12:10 p.m. - 2:15 p.m.	**Session 3: Working Lunch / 2013 - 2014 CPS Program Activities / Frontier Panel -** *Session Chair: David Corman (NSF)*
12:10 p.m. - 12:30 p.m.	**Lunch Pick-Up**
12:30 p.m. - 1:00 p.m.	**CPS Frontiers: Collaborative Research: Foundations of Resilient Cyber-Physical Systems (FORCES) -** *Claire Tomlin (UC Berkeley)*
1:00 p.m. - 1:30 p.m.	**CPS Frontiers: Collaborative Research: Correct-by-Design Control Software Synthesis for Highly Dynamic Systems -** *Jessy Grizzle (University of Michigan)*
1:30 p.m. - 2:00 p.m.	**CPS Frontiers: Collaborative Research: ROSELINE: Enabling Robust, Secure, and Efficient Knowledge of Time Across the System Stack -** *Mani Srivastava (UCLA)*
2:00 p.m. - 2:15 p.m.	**Wrap-Up and Q/A**
2:15 p.m. - 3:35 p.m.	**Session 4: PI Reports and Academic Panel -** *Session Chair: Phil Regalia (NSF)*
2:15 p.m. - 2:35 p.m.	**Foundations of Secure Cyber-Physical Systems -** *Suhas Diggavi (UCLA)*
2:35 p.m. - 2:55 p.m.	**High-Level Perception and Control for Autonomous Reconfigurable Modular Robots -** *Mark Campbell (Cornell)*
2:55 p.m. - 3:15 p.m.	**Addressing Design and Human Factors Challenges in Cyber-Transportation Systems -** *Chunming Qiao (SUNY Buffalo)*
3:15 p.m. - 3:35 p.m.	**Design and Development of a Cybernetic Exoskeleton for Hand-Wrist Rehabilitation Through the Integration of Human Passive Properties -** *Ashish Deshpande (UTexas- Austin)*
3:35 p.m. - 3:55 p.m.	**A Cyber-Physical Infrastructure for the "Smart City" -** *Christos Cassandras (Boston)*
3:55 p.m. - 4:10 p.m.	**Break**
4:10 p.m. - 5:45 p.m.	**Session 5: CPS Education & Diversity -** *Session Chair: Sylvia Spengler (NSF)*
4:10 p.m. - 4:25 p.m.	**NAS CPS Education Study Update -** *Jack Stankovic (UVA)*
	Experience in Diversity in CPS Education Panel
	Tamara Bonaci (U Wash)
4:25 p.m. - 5:10 p.m.	*Alejandro Sanchez (U Puerto Rico)*
	Andrea Goldsmith (Stanford)
	Jonathan Sprinkle (Arizona)

5:10 p.m. - 5:30 p.m.	**CPS MOOCs -** *Magnus Ergestedt (GA Tech)*
5:30 p.m. - 5:35 p.m.	**Wrap-Up**
5:35 p.m. - 7:05 p.m.	**Session 6: Poster Session (Show and Tell) / Demonstration Session / (Refreshments Served)**
Friday, November 7, 2014	
7:00 a.m. – 5:00 p.m.	**Registration**
8:00 a.m. – 5:00 p.m.	**CPS VO Help Desk**
7:00 a.m. - 8:00 a.m.	**Continental Breakfast**
8:00 a.m. - 8:10 a.m.	**Opening Remarks -** *Keith Marzullo (NSF)*
8:10 a.m. - 8:30 a.m.	**Partnership for Innovation (PFI) -** *Gurdip Singh (NSF)*
	Resilient Interdependent Infrastructure Processes and Systems (RIPS) - *Elise Miller-Hooks (NSF)*
8:30 a.m. - 10:15 a.m.	**Session 7: Plenary Session Talks -** *Session Chair: Bruce Kramer (NSF)*
8:30 a.m. - 9:00 a.m.	**I**ndustrial Internet Fabric **-** *Paul Didier (CISCO)*
9:00 a.m. - 9:45 a.m.	**Academic Keynote –** *Vijay Kumar (UPenn)*
9:45 a.m. - 10:15 a.m.	**Academic Experience in Smart America -** *Dave Roberts (NCSU)*
10:15 a.m. - 10:30 a.m.	**Break**
10:30 a.m. - 11:30 a.m.	**Parallel Break Out Session: CPS Education (Mt. Vernon - 2nd Floor) -** *Session Chair: Jack Stankovic (UVA)*
10:30 a.m. - 12:10 p.m.	**Session 8: PI Reports -** *Session Chair: Anindya Banerjee (NSF)*
10:30 a.m. - 10:50 a.m.	**Design Science for CPS -** *Tony Givargis (UC-Irvine)*
10:50 a.m. - 11:10 a.m.	**Provably Safe Automotive Cyber-Physicals Systems with Humans-in-the-Loop -** *Edgar Lobaton (NCSU)*
11:10 a.m. - 11:30 a.m..	**Integrated Modeling, Analysis, and Synthesis of Miniature Medical Devices -** *Pietro Valdastri (Vanderbilt)*
11:30 a.m. - 11:50 a.m.	**Statistical Model Checking of High-Dimensional Cyber-Controlled Systems -** *Geir E. Dullerud (UIUC)*
11:50 a.m. - 12:10 p.m.	**Cyber Enabled Manufacturing Systems (CeMs) for Small Lot Manufacture -** *Dan Moser (UTexas-Austin), Jayathi Murthy (UTexas-Austin)*
12:10 p.m. - 2:00 p.m.	**Session 9: Lunch / Poster Session (Show and Tell) / Demonstration Session**
12:10 p.m. - 12:25 p.m.	**Lunch Pick-Up**
12:25 p.m. - 2:00 p.m.	**Poster and Demonstration Sessions / Show and Tell**
2:00 p.m. - 3:00 p.m.	**Session 10: Global Smart Cities -** *Session Chair: Tho Nguyen (AAAS/NSF)*
	Nalini Venkatasubramanian (UC-Irvine)
	Sokwoo Rhee (NIST)
	Glenn Ricart (US Ignite)
	David Corman (NSF)
	Christos Cassandras (Boston)
3:00 p.m. - 3:15 p.m.	**Break**
3:15 p.m. - 4:15 p.m.	**Session 11: Government Panel on CPS -** *Session Chair: Anita Nikolich (NSF)*
	David Corman (NSF)
	David Kuehn (DOT)
	Yuri Gawdiak (NASA)
	Dan Massey (DHS)
	Dan Schmoldt (NIFA)
4:15 p.m. - 4:20 p.m.	**Closing -** *David Corman (NSF)*
4:20 p.m.	**2014 CPS PI Meeting Adjourned**