

# Program Agenda

Submitted by [rodrigka](#) on Tue, 10/01/2019 - 5:30pm

## 2019 Cyber-Physical Systems Principal Investigators' Meeting - Program Agenda

Meeting archives: [2010](#) | [2011](#) | [2012](#) | [2013](#) | [2014](#) | [2015](#) | [2016](#) | [2017](#) | [2018](#)

Wednesday, November 20, 2019		Room Location
6:00 PM - 9:00 PM	<b>Early Registration</b> (Light refreshments provided)	Arlington Registration (First Level)
Thursday, November 21, 2019		
7:30 AM - 8:30 AM	<b>Breakfast</b>	Arlington Foyer (First Level)
7:30 AM - 5:00 PM	<b>Registration</b>	Arlington Registration (First Level)
7:30 AM - 5:00 PM	<b>Help Desk</b>	Arlington Registration (First Level)
8:30 AM - 9:00 AM	<b>Welcome and Introductory Remarks</b> Erwin Gianchandani (CISE, Acting Assistant Director) Dawn Tilbury (ENG, Assistant Director) Miroslav Pajic (Duke University, Program Chair)	Arlington Ballroom (First Level)
9:00 AM - 9:50 AM	<b>Session 1: Keynote</b> <a href="#">Toward the Model-Based Digital Thread: The Past, Present, and Future of Design Methods for Complex Systems</a> Paul Eremenko <b>Session Lead:</b> David Corman (NSF)	Arlington Ballroom
9:50 AM - 10:15 AM	<b>BREAK</b>	Arlington Foyer
10:15 AM - 11:10 AM	<b>Session 2: <a href="#">PI Lightning Talks</a> (90 seconds each)</b> <b>Session Leads:</b> Sandip Roy and Nizeet Aguilar (NSF)	Arlington Ballroom
11:10 AM - 12:00 PM	<b>Session 3: Keynote</b> <a href="#">A Future with Affordable Self-Driving Vehicles</a> Raquel Urtasun (Uber and University of Toronto) <b>Session Lead:</b> Jonathan Sprinkle (NSF)	Arlington Ballroom

Wednesday, November 20, 2019		Room Location
12:00 PM - 1:15 PM	<b>LUNCH (General)</b>	Arlington Foyer, Arlington Ballroom
	<b>Session 4: Equity, Diversity, and Inclusion Luncheon</b> (will run concurrently with general lunch session) <b>Session Leads:</b> Edgar Lobaton (North Carolina State University) Wendy Nilsen (NSF) Lillian Ratliff (University of Washington) Sylvia Spengler (NSF) Yan Wan (University of Texas, Arlington)	Sky View (First Level)
1:15 PM - 2:15 PM	<b>Session 5: <u>PI Lightning Talks</u> (90 seconds each + 1 15-minute Frontier)</b> <b>Session Leads:</b> Kishan Baheti and Nizeet Aguilar (NSF)	Arlington Ballroom
2:15 PM - 3:45 PM	<b>Session 6: Poster Session + Demonstration Session</b> (Refreshments served)	Arlington Salons 5-6, Arlington Foyer
3:45 PM - 5:45 PM	<b>Session 7: Mini-Workshops</b>	TBD
5:30 PM - 7:00 PM	<b>RECEPTION</b>	Arlington Foyer
7:00 PM	<b>End of Day 1 Sessions</b>	
Friday, November 22, 2019		
7:30 AM - 8:30 AM	<b>Breakfast</b>	Arlington Foyer
7:30 AM - 5:00 PM	<b>Registration</b>	Arlington Registration
7:30 AM - 5:00 PM	<b>Help Desk</b>	Arlington Registration
8:15 AM - 8:30 AM	<b>Welcome</b> Ken Calvert (CNS, Division Director) Filbert Bartoli (ECCS, Division Director)	Arlington Ballroom
8:30 AM - 9:20 AM	<b>Session 8: Keynote</b> <u><b>Microsoft Premonition: Towards Scalable Monitoring of the Biome</b></u> Ethan Jackson (Microsoft Research) <b>Session Lead:</b> Janos Sztipanovits (Vanderbilt University)	Arlington Ballroom
9:20 AM - 9:30 AM	<b>Session 9: <u>CPS Challenge</u></b> <b>Session Lead:</b> Sylvia Spengler (NSF)	Arlington Ballroom
9:30 AM - 10:20 AM	<b>Session 10: <u>Lightning Talks</u> (90 seconds each)</b> <b>Session Lead:</b> Wendy Nilsen (NSF)	Arlington Ballroom
10:20 AM - 10:40 AM	<b>BREAK</b>	Arlington Foyer

Wednesday, November 20, 2019		Room Location
10:40 AM - 11:30 AM	<b>Session 11: Keynote</b> <a href="#"><u>Instrumentation and Technology Supporting the Event Horizon Telescope</u></a> Jonathan Weintroub (Harvard University) <b>Session Lead:</b> Jonathan Sprinkle (NSF)	Arlington Ballroom
11:30 AM - 12:00 PM	<b>Session 12: CPS Frontiers &amp; Highlight Talks</b> <b>Panelists:</b> Payam Heydari (University of California, Irvine) - A Bi-Directional Brain-Computer Interface Ufuk Topcu (The University of Texas at Austin) - Data-Driven Cyberphysical Systems <b>Session Lead:</b> David Corman (NSF)	Arlington Ballroom
12:00 PM - 1:15 PM	<b>LUNCH</b>	Arlington Foyer, Arlington Ballroom
1:15 PM - 2:15 PM	<b>Session 13: <a href="#"><u>Lightning Talks</u></a> (90 seconds each)</b> <b>Session Lead:</b> Anil Pahwa (NSF)	Arlington Ballroom
2:15 PM - 3:00 PM	<b>Session 14: Panel on Broadening Participation in Computing</b> <b>Panelists:</b> David Corman (NSF) Fay Cobb Payton (NSF) Jonathan Sprinkle (NSF)	Arlington Ballroom
3:00 PM - 4:30 PM	<b>Session 15: Poster Session + Demonstration Session</b> (Refreshments served)	Arlington Salons 5-6, Arlington Foyer
4:30 PM - 4:50 PM	<b>Session 16: Workshop Reports</b>	Arlington Ballroom
4:50 PM - 5:00 PM	<b>Session 17: Concluding Remarks</b> David Corman (NSF)	Arlington Ballroom
5:00 PM	<b>2019 CPS PI Meeting Adjourned</b>	

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