Agenda: SAGE Community Workshop, May 2020

SAGE Community Workshop		
Agenda (updated: 5/7/20 21:30) All times are Central Time		
May 11, 2020: Day 1		
Start Time	**Topic**	**Speaker(s)**
11:00	**Introduction**	
11:00	Welcome, how the Zoom meeting will work	Pete Beckman, Nicola Ferrier
11:15	Sage Goals	Nicola Ferrier
11:35	Discussion & Questions	Valerie Taylor, Kate Keahey
11:45	**SAGE Cyberinfrastructure: What is it?**	
11:45	High-level Architecture	Pete Beckman
12:15	Timeline	Florent Fournol
12:20	3 Large examples: NEON, AoT, HPWREN	Eugene Kelly, Charlie Catlett, Ilkay Altintas
12:40	*Panel:* Cyberinfrastructure	Charlie Catlett, Scott Collis
13:00	**Science Exemplars**	
13:00	Introduction	Scott Collis
13:15	Case Examples:	Irene Crisologo, Vivien Rivera, Dan Horton, Aaron Packman, Seongha Park
14:00	*Panel:* Science with Sage	Jim Olds, Charlie Catlett
14:15	**Education and Outreach**	
14:15	Introduction	Valerie Taylor
14:30	Activities	Mike Papka
15:00	Panel: Bringing AI to students	Jennifer Dunn, Nicola Ferrier

15:15	**SAGE for Pandemics**	
15:15	Using environmental data to predict infectious disease	Rita Colwell
15:35	Social Distancing, Masks	Charlie Catlett, Marc Berman, and Howard Nusbaum
15:45	Seasonality / Wastewater / Animal contact	Paula Mabee
16:00	*Panel:* Sage for Pandemics	Jim Olds, Valerie Taylor
16:15	**Adjourn**	
SAGE Community Workshop		
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May 12, 2020: Day 2		
Start Time	**Topic**	**Speaker(s)**
11:00	**Deep Dive: Writing AI@Edge Code**	**Chair: Nicola Ferrier**
11:00	How to train your AI	Seongha Park, Omar Zorob
11:15	What does the edge look like?	Yongho Kim, Jake Colleran
11:30	The Edge Code Repository	Wolfgang Gerlach, Kyle Marcus
11:45	*Panel:* The Future of AI@Edge	Nicola Ferrier, Pete Beckman
12:00	**Deep Dive: The Data & Data Path**	**Chair: Ilkay Altintas**
12:00	The data path: From Edge to Cloud	Sean Shahkarami, Ismael Perez
12:15	Training data	Seongha Kim, Ismael Perez
12:30	Data Model, DOIs,	Ilkay Altintas
12:45	*Panel:* Data for Science	Ilkay Altintas, Charlie Catlett
13:00	**Deep Dive: Sage Nodes & Cyber**	**Chair: Rajesh Sankaran**
13:00	What is a Virtual Waggle?	Sean Shahkarami
13:15	Running on Chameleon	Kate Keahey
13:30	Sage Blades, Wild Sage, and Cybersecurity	Rajesh Sankaran
13:45	Best Practices Software Development	Joe Swantek

14:00	*Panel:* Designing Sage for the Future		Rajesh Sankaran, Wolfgang Gerlach
14:15	**Potential New AI@Edge Science**		**Chair: Kate Keahey**
	Future of Mobility		Dan Work (Vanderbilt)
	Wind		Eric Bruning (TTU)
	EcoPods		Esther Singer (LBL)
	PAWR		Ivan Seskar (Rutgers)
	Urban Wildlife		Seth Magle (LP Zoo)
	Fire Science		Rod Linn (LANL)
	CHASE-CI		John Graham (UCSD)
15:00	**A national AI@Edge Facility?**		
	Overview Vision		Dan Reed
	Lessons from the Internet		Vint Cerf
15:40	*Panel:* What is needed for new kind of AI@Edge facility?		Pete Beckman, Nicola Ferrier
16:15	**Wrap up and Thank You**		