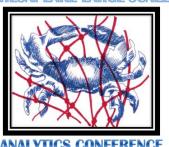
CHESAPEAKE LARGE-SCALE



Hotel Annapolis

Website: www.clsac.org

AGENDA Theme: Benefits and Challenges of Large-Scale Analytics for Society

Monday, October 7, 2019

Time	Title	
7:00 – 8:30 pm	Welcome Reception (Annapolis Atrium)	
	The sale of Outstand 2010	

Tuesday, October 8, 2019 General Session location: The Ballroom				
7:00 – 8:00 am	Breakfast and Registration (Atrium)			
8:00 – 8:30 am	Welcome	Jim Ang, AHSC/PNNL		
	George Cotter Award for Vision and	Candy Culhane		
	Leadership in the Field of Data Analytics			
8:30 – 9:15 am	Keynote: HPC and AI –The Next Horizon -	Debra Goldfarb, Intel		
	Advancing Humanity's Grand Challenges			
Session 1: Applications 1		TC Tuan, Moderator		
9:15 – 10:00 am	DataOps - A New Methodology for Transformational Analytic Outcomes	Harlan Kadish, Tamr		
10:00 – 10:15 am	Break (Atrium)			
10:15 – 11:00 am	Machine Learning of Interatomic Potentials	Justin Smith, LANL		
11:00 – 11:45 am	Robust AI: How to Protect Your Networks -	Steven Forsyth, NVIDIA		
	Whether Cyber or Neural	Ed Raff, BAH		
11:45 – 12:30 pm	Panel Discussion			
12:30 – 1:45 pm	Lunch (Atrium)			
Session 2: Applications 2		John Feo, Moderator		
1:45 – 2:30 pm	Scalable Predictive Analytics for Optimizing Power Network Operations and Maintenance	Nagi Gebraeel, GA Tech		
2:30 – 3:15 pm	Modeling Complex Data with Hypergraphs	Emilie Purvine, PNNL		
3:15 – 3:30 pm	Break (Atrium)			
3:30 – 4:15 pm	Predicting Behavior in Complex, Interactive	Julie Huff,		
·	Systems	Northrup Grumman		
4:15 – 5:00 pm	Panel Discussion			
6:00 – 7:30 pm	Dinner (Atrium)	Sam Visner,		
	The Evolution of Cyberspace and National Security	NCF/MITRE and		
	– Challenging Assumptions	Georgetown		
7:30 – 9:00 pm	Reception (Mainsail/Spinnaker)			

Wednesday, October 9, 2019 General Session location: The Ballroom

Time	Title	Speaker
7:00 – 8:30 am	Breakfast (Atrium)	
	Registration (Atrium)	
8:30 – 9:15 am	Keynote:	Dr. Heather Roff, JHU/AP
	Early and Often: Taking AI Ethics Seriously	· ·
Session 3: Software		Ron Oldfield, Moderator
9:15 – 10:00 am	Software Data Analytics Framework for Detecting	Doug Joseph, ARM
	Malware and Machine Learning Back Doors	
10:00 – 10:15 am	Break (Atrium)	
10:15 – 11:00 am	Data Analytics are Powerful – Handle with Care	Jeremy Wendt, SNL
11:00 – 11:45 am	Data Science Needs Interactive Supercomputing	Bill Reus, DoD
11:45 – 12:30 pm	Panel Discussion	
12:30 – 6:00 pm	Free time:	
	Lunch and Dinner (on your own)	
6:00 – 7:30 pm	Random Access (The Ballroom)	JT Halbert Moderator
	Sign-up sheet will be at registration table.	
	Talks are limited to 8 minutes.	
7:30 – 9:00 pm	Reception/Poster Session (Mainsail/Spinnaker)	Students
7.50 5.00 pm	Georgetown University Air Quality: A Highly Modular,	Simra Ali
	IoT Air Quality Monitor Incorporating Industry-leading	Georgetown University
	Sensor Technology	deorgetown onliversity
	Beyond GUAQ	Robert D'Angelo-Cosme
		Georgetown University
	Robust Detection of Computer Generated Text	Haydn Jones
		New Mexico Institute of
		Mining and Technology
	Protecting Nodes of Interest from Data Collectors in a	Ricky Laishram
	Network	Syracuse University
	Advancing the Bases: Tensor Methods and the	Matthew Merris
	Frontiers of Generality	Boise State University
	·	Vidya Nagaraju
	Modeling and Assessment of Reliability and	University of
	Availability for Parallel Systems incorporating	Massachussets
	Checkpointing and Rejuvenation	

Thursday, October 10, 2019 General Session location: The Ballroom

Time	Title	Speaker
7:00 – 8:30 am	Breakfast (Atrium)	
8:30 – 9:15 am	Keynote: Development and Use of AI for Army	BG Matthew Easley,
	Applications	US Army
Session 4: Hardware		Richard Murphy, Moderator
9:15 – 10:00 am	xBGAS: Extended Base Global Address Space	Michel Kinsy,
	Architecture for High-Performance Computing	Boston University
10:00 – 10:15 am	Break (Atrium)	
10:15 – 11:00 am	Accelerating Large Scale Analytics with Cerebras	Andy Hock, Cerebras
	Al and the Memory Innovations That Will Be	
11:00 – 11:45 pm	Created as a Result	Steve Pawlowski, Micron
11:45 – 12:30 pm	Panel Discussion	
12:30 – 1:45 pm	Lunch (Atrium)	
Session 5: Policy		David Haglin, Moderator
1:45 – 2:30 pm	Smart City Data Collection at Scale Has Major Privacy and Policy Challenges	Isaac Potoczny-Jones, Tozny
2:30 – 3:15 pm	Data as the Driver of Biomedical Research:	Jack Collins, Frederick
·	Why aren't we going faster?	National Laboratory
3:15 – 3:30 pm	Break (Atrium)	
3:30 – 4:15 pm	Machine Learning at the Edge: Impact on Analytics,	Chris Krieger, DoD
	Business, and Privacy	
4:15 – 5:00 pm	Panel Discussion	
5:00 – 5:15 pm	Closing Remarks and Adjourn	