

<b>Tuesday, August 10, 2021</b>			
<b>Time</b>	<b>Title</b>	<b>Author(s)</b>	<b>Speaker</b>
1:30 PM	<b>Welcome</b>	Session Host	Justin Scharber CFD Research
1:35 PM	US Regulations Impacting Weather Intelligence and Data Processing	David Vance Lucas & George Smith Bradley Arant Boulton Cummings	David Vance Lucas Bradley Arant Boulton Cummings
2:00 PM	WeatherView: Multi-Modal Processing to Extract Environmental Data from Non-Traditional Sources	Dr. Timothy Klein & Amanda Steck Areté Associates	Amanda Steck Areté Associates
2:25 PM	World War III with Pervasive Artificial Intelligence & Machine Learning	Discussion Panel	Wes Regian, David Noever, & Josh Kalin PeopleTec
2:50 AM	<b>Break</b>		
3:15 PM	<b>Welcome</b>	Session Host	Justin Scharber CFD Research
3:20 PM	Computational Methods for Hypersonic and Counter-Hypersonic Systems	Lucas Agricola & Alison Carney Corvid Technologies	Alison Carney Corvid Technologies
3:45 PM	Overview of the Hypersonic Environment Analysis Toolkit (HEAT)	Dr. Conrad Patton CFD Research	Dr. Conrad Patton CFD Research
4:10 PM	Trusted Information Integrity as Key Enabler of Effective Space and Mission Defense Systems	Andrew Lacher & Alexander Murray Noblis	Alexander Murray Noblis
4:35 PM	CodeValor	Gary Mayes Sentar	Daniel Newton Sentar
<b>Wednesday, August 11, 2021</b>			
<b>Time</b>	<b>Title</b>	<b>Author(s)</b>	<b>Speaker</b>
1:35 PM	<b>Welcome</b>	Session Host	Dr. Erika Duran CFD Research
1:40 PM	Weather Radar and Neural Models for Nowcasting	David Noever, Brandon Chambers, & Wes Regian PeopleTec	David Noever PeopleTec
2:05 PM	Utilizing Weather Information to Increase the Fidelity of Environmental Intelligence in the Battlespace	Elise Schultz, Erika Duran, Adam Clayton, & Abigail Whiteside CFD Research	Elise Schultz CFD Research
2:30 PM	The use of AI/ML, M&S, and 3D Environments to Evaluate Mitigation Strategies for Global Mean Sea Level Rise	M. Dean, A. Hardwick, J. Roznick, & L. Weaver Intuitive Research & Technology Corp	Andrew Hardwick Intuitive Research & Technology Corp
3:00 PM	<b>Break</b>		
3:30 PM	<b>Welcome</b>	Session Host	Dr. Erika Duran CFD Research
3:30 PM	Leveraging Next Generation Visualization Techniques and AI/ML to Improve Weather Forecasting Veracity	K. J. Russell & C. T. Etheredge Intuitive Research & Technology Corp	Kyle Russell Intuitive Research & Technology Corp
3:55 PM	Exploiting the Spectral Properties of Water to Improve EO/IR Sensor Performance in the Presence of Clouds and Fog	Robert Pilgrim & Larry Burger Bevilacqua Research Corp	Robert Pilgrim Bevilacqua Research Corp
4:20 PM	ETOC (Meteorology and Oceanography) Data Viewer (MDV)	Eugene Sandberg Radiance Technologies	Eugene Sandberg Radiance Technologies