



Virtual and Augmented Reality for Space Science and Exploration

Tuesday, January 30, 2018 - Hameetman Auditorium, Caltech

Time	Event	Speaker
8:30 - 9:00	Registration, coffee	
9:00 - 9:10	Welcome and Logistics	S. George Djorgovski, Scott Davidoff, Emily Law, Michele Judd
9:10 - 9:30	VR/AR as a Scientific and Educational Platform	S. George Djorgovski
9:30 - 10:00	The Challenges and Opportunities of Interacting With N-Dimensional Data in Immersive 3D	Wolfgang Stuerzlinger
10:00 - 10:30	Visual Analytics by Demonstration for Interactive and Immersive Data Analysis	Alex Endert
10:30 - 11:00	Coffee	
11:00 - 11:30	Experiential Analytics: When to Walk Inside Your Data	Dan Keefe
11:30 - 12:00	Immersive Analytics Beyond Visualization	Doug A. Bowman
12:00 - 12:30	Panel: Data Visualization in VR/AR	S. George Djorgovski, Wolfgang Stuerzlinger, Alex Endert, Dan Keefe, Doug A. Bowman
12:30 - 1:30	Lunch	
1:30 - 1:50	Visual Analytics as Force Multiplier for Space Exploration	Scott Davidoff
1:50 - 2:10	Virtual Mars	Parker Abercrombie
2:10 - 2:30	Visualizing and Designing Spacecraft Trajectories in VR	Emine Basak Alper Ramaswamy
2:30 - 2:50	Virtual Heritage: Knowledge Management in VR	Charles White
2:50 - 3:20	Panel: VR/AR for Mission Design and Ops	Scott Davidoff, Emine Basak Alper Ramaswamy, Parker Abercrombie, Joel W. Burdick, Charles White
3:20 - 3:50	Coffee	
3:50 - 4:15	Panel: A View From the Industry and Tech Transfer	Emily Law, Michael Amori, Eduardo Siman, Jonathan Fay, Shayna Skolnik
4:15 - 5:00	Wrap-up and intro to demos	Jonathan Fay, Ciro Donalek, Santiago Lombeyda
5:00 - 6:30	Demos; Wine & Cheese for all participants	
6:30 - 8:30	Invited speakers and panelists dinner at the Athenaeum	