## OSA Incubator on Solving the Bandwidth Challenge of Large 3D Displays

**15-17 January 2020** Washington, DC USA

## HOSTED BY:

Daniel Smalley, Brigham Young University, United States V. Michael Bove, Jr., vmbove.com, United States Thomas Burnett, FoVI3D, United States

## Wednesday, 15 January 2020

- Afternoon Arrival/Hotel Check-in Hotel Palomar, 2121 P St NW
- 18:00 Welcome Dinner Bistrot Du Coin, 1738 Connecticut Ave NW

## Thursday, 16 January 2020

8:00	Breakfast
8:30	Welcome Elizabeth Rogan, CEO, The Optical Society
8:45	Program Overview and Goals Design Process: Empathize, Define, Ideate, Storyboard, Test Daniel Smalley, Brigham Young University, United States Software Goal Thomas Burnett, FoVI3D, United States Hardware Goal V. Michael Bove, Jr., vmbove.com, United States
9:00	Design Process – Empathize Holography Pierre-Alexandre Blanche, University of Arizona, United States Light-Field Kari Pulli, Raxium Inc., United States Volumetric Curtis Broadbent, University of Rochester, United States

10:30	Design Process – Define: Computation Roadmap More GPUs won't solve our problem: How to develop a hardware solution suitable for consumer, mobile, wearable, vehicular and other applications which comprises transmission, hardware, and software elements.	
11:00	Design Process – Define: Transport Roadmap 5G and DisplayPort won't solve our problem: How to provide sufficient bandwidth, both from remote locations and for interconnects inside products.	
11:30	Lunch	
12:30	Design Process – Define: Software Roadmap An API for putting interactive content freely in 3-space: What does a truly 3D display agnostic graphics API look like?	
13:00	Design Process – Define: Solution Template Questions to answer in working group sessions will be provided.	
14:00	Working Group Session 1 – Ideate: Brainstorm (Diverge) Collect a wide-ranging set of possible approaches.	
15:00	Coffee Break	
15:30	Working Group Session 1 Con't. – Ideate: Brainstorm (Converge) Downselect and focus.	
18:00	Dinner Sette Osteria, 1666 Connecticut Ave NW	
Friday, 17 January 2020		
8:00	Breakfast	
8:30	Working Group Session 2 – Storyboard: Outline Hardware/Transmission What are the hardware and transport implications and how do we get there?	
10:00	Coffee Break	
10:30	Working Group Session 3 – Storyboard: Outline Software What does the API look like?	
12:00	Lunch	

- 12:30Working Group Session 4 Consensus Recommendation<br/>Complete design comprising transmission, software and hardware.
- 14:00 Presentations Oral Working Group Presentations & Feedback
- 15:00 Open Discussion
- 15:30 Vote & Adjourn