# OSA Integrated Photonics in the Mid-IR Incubator

**20-22 May 2018** Washington, DC USA

HOSTED BY:

Garo Khanarian, Consultant, United States; Robert Norwood, University of Arizona, United States Brandon Shaw, US Naval Research Laboratory, United States

## AGENDA

#### Sunday 20 May 2018

- Afternoon Arrival/Hotel Check-in The Fairfax and Embassy Row, 2100 Massachusetts Ave, NW
- 18:00 Welcome Dinner Ezmè, 2016 P Street, NW

#### Monday 21 May 2018

8:00	Breakfast OSA Headquarters, 2010 Massachusetts Ave, NW
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8:30	Welcome Greg Quarles, Chief Scientist, OSA
8:45	Program Overview and Goals Host(s)
9:00	Mid-IR Photonic Chips Alexander Spott, University of California, Santa Barbara, United States
9:20	The Challenges of Chip-Based Mid-IR Comb Spectroscopy for Chemical Sensing Alexander Gaeta, Columbia University, United States
9:40	The Challenges of Mid IR LIDAR/Remote Sensing for the Photonic Chip Shamsul Arafin, University of California, Santa Barbara, United States
10:00	Coffee Break

10:30	Panel Discussion: <i>Mid IR Light Sources on a Chip</i> Jerry Meyer, Naval Research Laboratory, United States Gerard Wysocki, Princeton University, United States Irina Sorokina, Norwegian University of Science & Technology, Norway
12:30	Lunch, provided
1:30	Panel Discussion: Waveguide Materials, Fabrication and Function Robert Norwood, University of Arizona, United States Gunther Roelkens, Ghent University-Imec, Belgium Jurgen Michel, Massachusetts Institute of Technology, United States Goran Mashanovich, University of Southampton, United Kingdom Anuradha Agarwal, Massachusetts Institute of Technology, United States
3:30	Coffee Break
4:00	Panel Discussion: Applications Ray Chen, Omega Optics / University of Texas at Austin Jesse Frantz Naval Research Laboratory, United States James Ortolf, BAE Systems, Inc., United States
6:00	Dinner Darlington House, 1610 20th St NW

### Tuesday 22 May 2018

8:00	Breakfast OSA Headquarters, 2010 Massachusetts Ave, NW
8:30	Mid-IR Roadmapping – Discussion and Next Steps Ray Chen, Omega Optics / University of Texas at Austin Mark Earnshaw, Nokia-Bell Labs, United States Thomas Nelson, Air Force Research Lab / AIM, United States Alexander Gaeta, Columbia University, United States
10:30	Coffee Break
10:50	Open Forum
11:30	Summaries from Hosts Key challenges Proposed solutions Path forward (government, academia, industry programs)
12:30	Lunch, provided