

REGISTRATION & SPEAKER CHECK-IN HOURS: 8:00 AM – 6:00 PM in the Grand Ballroom Foyer

9:00 AM–12:00 PM
Grand Ballroom B/C

Frontiers of Photonics

Session Chairs: Nikola Alic, *University of California, San Diego, CA, USA*
Zetian Mi, *University of Michigan, Ann Arbor, MI, USA*

This session will open the 2018 conference with an exploration of the latest trends and emerging areas of our ever-evolving field.

Speakers: Enrique Calleja, *Polytechnical University of Madrid, Spain*
Steven Cundiff, *University of Michigan, Ann Arbor, MI, USA*
Lionel Vayssieres, *Xi'an Jiaotong University, China*

1:00 PM–3:00 PM
Grand Ballroom B/C

Emerging Opportunities in Photonics Research

Session Chairs: Mario Dagenais, *University of Maryland, College Park, MD, USA*
Zetian Mi, *University of Michigan, Ann Arbor, MI, USA*

This session features presentations by program managers from government funding agencies to discuss their vision for future photonics research, which is followed by a panel-based and moderated discussion on the emerging opportunities and grand challenges of photonics research, development, and commercialization. This session involves strong audience participation to discuss the emerging themes in photonic-based sciences and technologies with significant societal benefit.

Speakers: Claire Cramer, *DOE Office of Science*
Dominique Dagenais, *NSF*
Kristy DeWitt, *IARPA*
Michael Gerhold, *US Army Research Office*
Gordon, Keeler, *DARPA MTO*
Steven Konsek, *NSF*
Robert Saperstein, *DARPA STO*

3:30 PM–5:30 PM
Grand Ballroom B/C

Hot Topics in Photonics Research, Collaboration, and Professional Development

Session Chairs: Mario Dagenais, *University of Maryland, College Park, MD, USA*
Zetian Mi, *University of Michigan, Ann Arbor, MI, USA*

This session focuses on some of the hottest topics in photonics research presented by leading researchers from industry and government labs, who will also discuss opportunities for collaboration and for professional development, particularly for young professionals in photonics.

Speakers: Albert Davydov, *National Institute of Standards and Technology*
Jungsang Kim, *IonQ Inc.*
Michael Krainak, *NASA Goddard Space Flight Center*
Mo Soltany, *Raytheon BBN Technologies*
Kartik Srinivasan, *National Institute of Standards and Technology*
Keith Williams, *US Naval Research Lab*

A cocktail reception will precede the event for all participants.