

Schedule for the Optics and Photonics Conference at Johns Hopkins University

Monday December 11

Time	Topic	Remarks	Location
9:50 am	Welcome Note	Dr. Larry Naghara, Associate Dean of Research delivers a welcome note and invites Prof. Amy Foster to introduce the key note speaker	Hodson 110
9:55 am	Speaker Introduction	Prof. Amy Foster introduces Prof. Engheta	Hodson 110
10:00 am	Keynote	Prof. Engheta delivers the keynote Title: Extreme Photonics	Hodson 110
11:00 am	Coffee Break		Hodson Lobby 1
11:30 am	Session 1	Chair: Ebuka Invited Speaker: Dr. Jay Guo	Hodson 110
12:30 pm	Lunch/ Poster session	Graduate Chair: Kangmei	Hodson Lobby 1/ 2
2:00 pm	Session 2	Chair: Jasper Invited Speaker: Dr. Michelle Sander	Hodson 110
3:00 pm	Coffee Break		Lobby 1
3:30 pm	Session 3	Chair: Michelle Invited Speaker 1: Dr. Audrey Bowden Invited Speaker 2: Dr. Giuliano Scarcelli	Hodson 110
5:10 pm	Closing, awards, and reception	OSA treasurer hands out the awards OSA President delivers the closing note	Hodson 110

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Optical Society at Johns Hopkins

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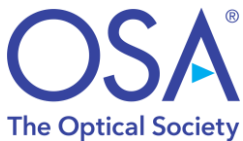
11:30 AM-12:30 PM

Session 1: Optical devices and nano-materials

Time	Presenter	Title
11:30 pm	Dr. Jay Guo University of Michigan	Plasmonics for high performance lithography and structural colors
12:00 pm	Nathan Henry Johns Hopkins University	Time-domain characteristics of QCL's generating pseudo-random frequency combs
12:15 pm	Ken Smith Johns Hopkins University	Effects of Oxidation on the Photophysics of Plasmonic Aluminum Nanoparticles

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2:00 PM-3:00 PM

Session 2: Ultrafast Optics and Bio-photonics

Time	Presenter	Title
2:00 pm	Dr. Michelle Sander Boston University	Polarization dynamics in ultrafast fiber lasers for dual-output femtosecond Thulium laser
2:30 pm	Dr. Wenxuan Liang Johns Hopkins University	Fiber-optic Two-photon Microscopy of Neural Activities on Freely-walking Mice
2:45 pm	Karin Wieland TU Wien, Austria	Resonance enhanced PTIR imaging for the investigation of nES GEMMA size-selected liposomal drug delivery systems at the nanoscale

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3:30 PM-5:00 PM

Session 3: Novel Optical Imaging Techniques

Time	Presenter	Title
3:30 pm	Dr. Audrey Bowden Stanford University	New Optical Tools for Bladder Cancer Diagnostics
4:00 pm	Dr. Giuliano Scarcelli University of Maryland	Brilluoin microscopy for tissue and cell biomechanics
4:30 pm	Dr. Faisal Mahmood Johns Hopkins University	Quantitative polyp size measurements with photometric stereo endoscopy enhanced by deep learning
4:45 pm	Derek Allman Johns Hopkins University	Using a convolutional neural network to eliminate reflection artifacts in experimental photoacoustic images

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