Schedule for the Optics and Photonics Conference at Johns Hopkins University

12:30 PM-2:00 PM
Lunch and Poster Session: Short Term Research

Poster #	Presenter	Title
1	**Garret Ung** Johns Hopkins University	Flexible Lens Concentrators for Colloidal Quantum Dot Solar Cells via Additive Manufacturing
2	**Nicole Kim** Johns Hopkins University	Silver-Decorated Aluminum Nanoparticles for Energy Applications
3	**Michael Kossey** Johns Hopkins University	Heterogenous Integrated Photonic Platform in Silicon Nitride and Amorphous Silicon
4	**Kangmei Li** Johns Hopkins University	
6	**Lulin Li** Johns Hopkins University	Optical Designs for Concentrators
7	**Andrew Rauch** Johns Hopkins University	
8	**Charles Thornton** Johns Hopkins University	Composite Silver-nanowire/AZO nanoparticle Transparent Electrodes for Colloidal Quantum Dot Solar Cells
9	**Rachel Bang** Johns Hopkins University	Characterization of a Fluorescence Lifetime Probe for Oxygen Sensing in Cells
10	**Brooke Stephanian** Johns Hopkins University	Theoretical Simulation to Optimize Short-Lag Spatial Coherence (SLSC) Photoacoustic Image Quality
11	**Hannah Horng** University of Maryland	Imaging 3D Micro-distribution of Antibody-photon Absorber Conjugates during Photoimmunotherapy *in vivo*
12	**Shuwen Wei** Johns Hopkins University	Design of ultracompact polarimeters based on dielectric metasurfaces
13	**Jordan Sweer** Johns Hopkins University	Mapping optical properties of the esophagus using spatial frequency domain imaging

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Schedule for the Optics and Photonics Conference at Johns Hopkins University

12:30 PM-2:00 PM
Lunch and Poster Session: Long Term Biomedical

Poster #	Presenter	Title
1	**Hanh Le** Johns Hopkins University	A quantified endoscopic 3D imaging system for anastomosis surgery.
2	**Ang Li** Johns Hopkins University	Biopsy Needle Compatible 3D Multiphoton Rigid Probe for Optical Biopsy
3	**Santosh Paidi** Johns Hopkins University	Label-free Raman spectroscopy for detection of breast cancer-induced pre-metastatic changes in lungs
4	**Wenxuan Liang** Johns Hopkins University	Label-free histological and redox ratio imaging *in vivo* with nonlinear optical endomicroscopy
5	**Zohreh Vafapour** Johns Hopkins University	RI Biosensors by Optical Control of Light Propagation using Metamaterials
6	**Gregory McKay** Johns Hopkins University	Towards scattering oblique plane microscopy for non-invasive, in-vivo blood cell counting.
7	**Taylor Bobrow** Johns Hopkins University	Increasing lesion detection in colonoscopy with Quantitative Topographic Endoscopy
8	**George Ramer** NIST	Novel AFM Probes Enable Highly Sensitive Chemical And Thermal Characterization At The Nanoscale
9	**Antonio Fiore** University of Maryland	Absolute three-dimensional measurement of refractive index via photon-phonon phase matching

Schedule for the Optics and Photonics Conference at Johns Hopkins University

12:30 PM-2:00 PM
Lunch and Poster Session : Long Term Non-BME

Poster #	Presenter	Title
1	**Nightvid Cole** University of Maryland	
2	**Dongheon Ha** NIST	Nanoscale demonstration of photocurrent enhancements with nano-resonator arrays for photovoltaics
3	**Zhen Qi** UMBC	Dark Solitons and CnoidalWaves in Microresonators with Normal Dispersion
4	**Shaokang Wang** UMBC	A Dynamical Perspective on Noise in Passively Modelocked Lasers
5	**Ehsan Jamali** UMBC	Calculation of the impulse response of PIN and MUTC photodetectors using the drift-diffusion equations
6	**Benjamin Stephens** Johns Hopkins University	Silver/Silver Halide Nanoparticle Heterodimers
7	**Yan Cheng** Johns Hopkins University	Ultrafast Carrier Dynamics and Thermal Evolution in Large Plasmonic Aluminum Nanoparticles
8	**Ebuka Arinze** Johns Hopkins University	Color-tunability and semitransparency in colloidal quantum dot solar cells through optimized optical interference
9	**Yida Lin** Johns Hopkins University	Light Concentration and Collection Techniques for PbS Quantum Dot Solar Cells
10	**Kunyi Zhang** University of Maryland	Plasmon Resonance Spectroscopy and Mode Coupling in Metallic Nanostructures Consisting of Nano Arcs or Nano Crescents
11	**Tengfei Li** Johns Hopkins University	Sub-wavelength field enhancement in mid-IR: Photonics vs Plasmonics vs Phononics.
12	**J. Young & C. Honick** Johns Hopkins University	Excited State Relaxation Pathways in Thienyl-ethene Photoswitches