

Presenter	Poster Title	Affiliation
Anurag Satish Agrawal	Applications of metamaterials in cloaking and imaging	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Benjamin Braker	Spatial-Spectral Signal-Processing with Erbium-Doped Spectral-Hole-Burning Crystals: Microwave Imaging	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Eric Chandler	Second- and Third-Harmonic Generation Microscopy of Arrayed Nanoparticles	1. Department of Physics, Colorado School of Mines 2. Optics Laboratory, Institute of Physics, Tampere University of Technology
Trevor Courtney	Spectral Resolution in Fourier Transform Special Interferometry	Department of Chemistry and Biochemistry, University of Colorado at Boulder
Dan Feldkhun	Fourier Analysis and Synthesis Tomography	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Julie Fiore	Single-Molecule Spectroscopic Investigations of RNA Conformational Dynamics	JILA, National Institute of Standards and Technology, Department of Chemistry and Biochemistry, University of Colorado at Boulder
Tim Gerke	Femtosecond Laser Micromachining Provides Many New Capabilities to Integrated Optical Systems	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Kate Gerth	Multiple Exciton Generation: Nanoscience for Improving Solar Energy	1. National Renewable Energy Laboratory, Center for Basic Science, Golden 2. Department of Chemistry, University of Colorado at Boulder 3. Department of Applied Physics, Colorado School of Mines
David Goldstein	Understanding the Long Nucleation Period for Pd ALD on A1203 Substrates	Department of Chemistry and Biochemistry and Chemical and Biological Engineering, University of Colorado at Boulder
Matthew Grabowski	Advanced Chemical Modeling for 3-D Direct Write Lithography	1. Department of Physics, University of Colorado at Boulder 2. Department of Electrical and Computer Engineering, University of Colorado
Erich Hoover	SMARTI Microscope (Simultaneous Multi-Depth Acquisition for Real-Time Imaging)	Department of Physics, Colorado School of Mines
Martha Hosotani	A Small Molecule Biosensor: Detecting Single Ribozyme Cleavage Events in Real Time	1. JILA, Department of Physics, University of Colorado at Boulder, National Institute of Standards and Technology 2. Department of Chemistry and Biochemistry, University of Colorado at Boulder (3) Department of Molecular, Cellular, and Developmental Biology, University of Colorado at Boulder

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Sharon King	Quantitative Phase Imaging of Biological Structures with Computational Phase-Shifted Differential Interference Contrast Microscopy	1. Department of Electrical and Computer Engineering, University of Colorado at Boulder 2. CDM Optics, Boulder, CO 80303 3. Department of Electrical and Computer Engineering, University of Memphis, TN
Matt Kirchner	Arbitrary Optical Waveform Generation with a Stabilized Frequency Comb	National Institute of Standards and Technology
Nathan Lemke	Ytterbium Optical Lattice Clock	1. JILA University of Colorado at Boulder 2. National Institute of Standards and Technology
Stephanie Meyer	Octave-Spanning Spectrum from a Diode-Pumped Yb:KYW fs-laser by Nonlinear Broadening	1. Department of Physics, University of Colorado at Boulder 2. Department of Physics, Colorado School of Mines 3. National Institute of Standards and Technology
Eric Moore	Projection Lithography for 3-Dimensional Optical Devices in Volume Photopolymer	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Anthony Morfa	Surface-Plasmon-Enhanced Photoconversion in Organic Photovoltaics	1. JILA, University of Colorado at Boulder, National Renewable Energy Laboratory 2. Department of Chemistry and Biochemistry, University of Colorado at Boulder 3. National Renewable Energy Laboratory
Sri Rama Prasanna Pavani	3D Imaging with Rotating Point Spread Functions	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Sean Pieper	Preparation and Characterization of pH Sensitive Optodes for Fiber Optic Biosensor	1. Department of Electrical and Computer Engineering, Colorado State University 2. Department of Chemical and Biological Engineering, Colorado State University
Bob Pownall	CMOS-Compatible On-Chip Optical Interconnects	1. Colorado State University 2. Avago Technologies
Ted Reber	Progress Towards a Sub-20 fs Regenerative Amplifier for Pump-Probe Laser ARPES Studies	1. JILA, University of Colorado at Boulder 2. Colorado School of Mines 3. Department of Physics, University of Colorado at Boulder
Melanie Roberts	High Resolution Infrared Spectroscopy of Supersonically Cooled Combustion Radicals	1. JILA, University of Colorado at Boulder 2. National Institute of Standards and Technology 3. Department of Chemistry and Biochemistry, University of Colorado
Rashid Safaisini	Temperature Analysis of 980nm VCSELs	Electrical and Computer Engineering Department, Colorado State University
Richard Sandberg	Diffractionless Lensless Imaging Using Tabletop EUV Sources	Department of Physics and JILA, University of Colorado at Boulder

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Kraig Sheetz	An Extended Cavity Yb ³⁺ :KGd(WO ₄) ₂ (KGW) Mode-Locked Laser for Bioimaging Applications	1. Department of Physics, Colorado School of Mines 2. Department of Physics and Institute for Optical Sciences, University of Toronto
Amy Sullivan	Optimization of Polymer Waveguides via Optical Diffraction Tomography	Department of Electrical and Computer Engineering, University of Colorado at Boulder
Kristen Vogelhuber	Ion Chemistry of 1H-1, 2, 3-Triazole	1. JILA, University of Colorado at Boulder 2. Department of Chemistry, University of Colorado at Boulder
Weina Wang	Intracavity Spectroscopy of Cancer Detection	1. Electrical and computer Engineering Department, Colorado State University 2. Animal Cancer Center, Colorado State University
Jingyi Xiong	Simulation of 2D Maxwell-Bloch Equations	1. Department of Electrical and Computer Engineering, University of Colorado at Boulder 2. Computer Engineering and Mathematics, University of Colorado at Boulder
Rongjin Yan	A novel low-loss y-type splitter with adjustable branching ratio	ECE, CSU
Rongjin Yan	Local Evanescent Array Coupled (LEAC) Biosensor	ECE and CBE, CSU
Dylan Yost	High Harmonic Generation Inside a Femtosecond Enhancement Cavity	JILA, University of Colorado at Boulder