PQE XXXVII Participants

Christof Aegerter, Universität Konstanz
"Observation of Anderson localization of light in 3D"

Eric Akkermans, Technion, Israel
"Photon correlations induced by disorder in a mesoscopic gas of cold atoms"

Eric Akkermans, Technion, Israel
"Quantum mesoscopic effects in the multiple scattering of photons by cold atomic gases"

Eric Akkermans, Technion, Israel
"Superradiance and Anderson localization of photons in cold gases"

Vladimir Akulin, Université Paris-Sud
"Multipartite Entanglement: Exhaustive Description and Control"

Ofir Alon, Heidelberg University
"Pathway to fermionization of cold bosonic systems"

Esen E. Alp, Argonne National Laboratory
"Inelastic x-ray scattering under extreme conditions"

Marie-Madeleine Aléonard, Université de Bordeaux I, CENBG
"Characterisation of the hard X-rays absolute energy distribution obtained with a kHz femtosecond laser and tantalum targets"

Marie-Madeleine Aléonard, Université de Bordeaux I, CENBG
"Nuclear physics with Intense laser fields, multi MeV laser-produced particle sources and their application"

Ilya Averbukh, Weizmann Institute of Science
"Spinning molecules selectively"

B. K. Azmierkczak, Sandia National Laboratory

Rob Ballagh, University of Otago, Dunedin, New Zealand
"Bragg scattering of correlated atom pairs from a Fermi gas in a BCS state"

André Dieter Bandrauk, Université de Sherbrooke, Canada
"Attosecond Science in Molecules"

Victor S. Batista, Yale University
"Coherent Control with Multiple Pulses"

Andreas Becker, Max Planck Institute for the Physics of Complex Systems, Dresden
—Talk Cancelled—

Wilhelm Becker, Max Born Institut Berlin
"Resonant enhancements in intense-laser atom processes"

Alexey Belyanin, Texas A&M University
"Creating and utilizing intersubband quantum coherence in semiconductor quantum wells"

Alexander A. Betin, General Atomics

Joerg Bewersdorf, Jackson Laboratory, Bar Harbor
"4Pi microscopy - 3D biological imaging with 100 nm axial resolution"

Robert M. Biefeld, Sandia National Laboratories
"Recent Advances in GaN-based Emitters"

Joshua Bienfang, NIST
"Broadband quantum cryptography"

William D. Blackman, Carrier, Blackman & Associates
"Patent Strategy"

Kai Bongs, Universität Hamburg
"Quantum gases under microgravity"

Kai Bongs, Universität Hamburg
"Ultracold heteronuclear molecules in an optical lattice" (poster)

Kai Bongs, Universität Hamburg
"Resonant spin dynamics in 87Rb spinor condensates" (poster)

Gundrun Bosch, Universität Ulm

Robert W. Boyd, University of Rochester
"Slow, fast, and backwards light propagation"

Howard Brandt, Army Research Laboratory
"Positive-Operator and Projection Valued Measures in Quantum Key Distribution"

John Briggs, University of Freiburg
"Atoms for Attoseconds"

John Briggs, University of Freiburg
"Periodic ionization and recombination in attosecond laser fields"

Antoine Browaeys, CNRS - Institut d'Optique
"Coherent manipulations of atomic qubits in moving optical tweezers"

Leonid Butov, University of California at San Diego
"Phenomena in cold exciton gases"

Uwe van Bürck, Technische Universität München
"Coherence in Nuclear Resonant Scattering of Synchrotron Radiation"

Uwe van Bürck, Technische Universität München
"Features of Nuclear Forward Scattering" (poster)

Uwe van Bürck, Technische Universität München
"SRPAC: Basic Features and First Applications" (poster)

Corey Campbell, Georgia Institute of Technology

Lincoln D. Carr, Colorado School of Mines
"Macroscopic Quantum Tunneling and Entangled States in Bose-Einstein Condensates"

James J. Carroll, Youngstown University
"Studies of induced isomer depletion using intense photon sources"

Andrey A. Chabanov, University of Texas at San Antonio
"Dynamics of localized wave in disordered media"

Jun-Tao Chang, Texas A&M University
"Measurement of the separation between atoms beyond diffraction limit"

Jun-Tao Chang, Texas A&M University
"Correlated Spontaneous Emission: From 2 atoms to N atoms"

Zenghu Chang, Kansas State University
"Precision control of carrier-envelope phase in grating-based chirped amplifiers for attosecond research"

Swapan Chattopadhyay, Jefferson Laboratory
"Intense Beams – Generation, Transport and Cooling"

Russell Chipman, University of Arizona

Kent D. Choquette, University of Illinois at Urbana-Champaign
"Gain Localized Photonic Crystal Light Emitting Diode"

Kent D. Choquette, University of Illinois at Urbana-Champaign
"Electrically injected photonic crystal light emitters with spatially localized gain"

Weng W. Chow, Sandia National Laboratory
"Many-body modifications to group-velocity slowdown"

Douglas Cline, University of Rochester
"Nuclear structure of high-K isomers: implications for controlled energy release"

Austin Collins, Georgia Institute of Technology
"Multiplexed Memory-Insenstive Quantum Repeaters" (poster)

Steven Cundiff, JILA
"Optical Two-Dimensional Fourier Transform Spectroscopy of Semiconductors"

David Depatie

Francesco De Martini, Università "La Sapienza", Rome
"High gain Parametric Amplification, the Schroedinger Cat and the transition from quantum to classical physics"

John Delos, College of William and Mary
"Atoms in electric and magnetic fields"

Jack Denur, Electric & Gas Technology, Inc.

Dennis Deppe, University of Central Florida
"All-Epitaxial Single Quantum Dot Quantum Semiconductor Light Source"

Viatcheslav Dobrovitski, Ames Laboratory
"Dynamical decoupling protocols for the electron spins in quantum dots"

Aristide Dogariu, CREOL & FPCE, University of Central Florida
"Variable coherence sensing"

Arthur Dogariu, Princeton University
"Time-resolved CARS spectroscopy using a photonic crystal fiber source"

Jonathan P. Dowling, Louisiana State University
"Optical Quantum computing"

Peter Drummond, University of Queensland, Australia
"Quantum dynamics in phase-space: From coherent states to the Gaussian representation"

Jens Eisert, Imperial College London
"A plethora of novel measurement-based schemes for quantum computing"

Baris I. Erkmen, Massachusetts Institute of Technology
"Coherence Propagation of Phase-sensitive Light and Applications to Ghost Imaging"

Donald J. Ersler, Donald J. Ersler, S.C.
"Intellectual Property Workshop"

Edward Eyler, University of Connecticut
"Nonlinear optics in an ultracold gas of Rydberg atoms"

Leonardo Fallani, LENS European Laboratory for Non-linear Spectroscopy
"Ultracold bosons in disordered optical lattices"

Josef Feldhaus, DESY
"13.8 nm Soft X-Ray FEL"

Josef Feldhaus, DESY
"FLASH - The Free Electron Laser at DESY"

Nat Fisch, Princeton University
Phase Space Manipulation of Ions and Atoms

Jason Fleischer, Princeton University
"Dispersive, superfluid-like shock waves in nonlinear optics"

Ron Folman, Ben Gurian University
"Interference with cold atoms"

Tara Fortier, National Institute of Standards and Technology
"Optical frequency combs for optical measurements and comparisons"

Hans Frauenfelder, Los Alamos National Laboratory
"Molecular tunneling in proteins"

Edward S. Fry, Texas A&M University
"Directed Spontaneous Emission from an Extended Ensemble of N Atoms: Timing Is Everything"

Xinyong Fu, Shanghai Jiao Tong University
"Realization of Maxwell's Hypothesis"

Jerry Gabrielse, Harvard University
"Atrap experimental results and plans"

J.M. Geremia, University of New Mexico
"Optical Coherent State Discrimination via a Real-Time Closed-Loop Quantum Measurement"

Elisabeth Giacobino, Ecole Normale Superieure and CNRS, Paris
"Quantum memories"

Bertrand Girard, Université Paul Sabatier, CNRS
"Coherent control with atoms and molecules"

Marvin Girardeau, University of Arizona
"Exact Properties of Strongly Correlated Ultracold Gases in Tight Waveguides"

Claire Gmachl, Princeton University
"Novel active region designs for Quantum Cascade Lasers"

Christoph Gohle, Max-Planck-Institute of Quantum Optics
"Cavity enhanced broad band spectroscopy"

James Gord, Wright-Patterson Air Force Base
"Femtosecond Ballistic Imaging of Optically Dense Sprays"

Robert Gordon, University of Illinois at Chicago
"Controlling Molecular Processes in Gaseous and Condensed Phases"

Kohzo Hakuta, University of Electro- Communications, Japan
"Optical Nanofibers for Manipulating and Probing Single-Atom Fluorescence"

Naomi Halas, Rice University
"Plasmonic design: combining surface enhanced spectroscopies on the same substrate"

Jeffrey Hangst, Aarhus and CERN
Status and Prospects for Antihydrogen Research

Dennis G. Harris, The Boeing Co.

Mark D. Havey, Old Dominion University
"Time-dependent electromagnetic wave dynamics in ultracold, high-density Rb vapor"

Mark D. Havey, Old Dominion University
"Behavior of Pulsed and Continuous-Wave Optical Dipole Force Traps"

Ryu Hayano, University of Tokyo
"ASACUSA experimental results and plans"

Stefan W. Hell, Max Planck Institute for Biophysical Chemistry, Göttingen
"Far-field fluorescence microscopy with diffraction-unlimited resolution"

Philip Hemmer, Texas A&M University
"Progress toward scalable quantum computers in diamond"

Harald F. Hess, Howard Hughes Medical Institute
"Imaging Intracellular Fluorescent Proteins at Nanometer Resolution"

Bo Huang, Harvard University
"High resolution fluorescence imaging using photo-switchable probes"

Diane L. Huffaker, University of New Mexico
"Facet-controlled QD nucleation"

Randall G. Hulet, Rice University
"Pairing of Atomic Fermions with Unequal Spin Populations"

Martin A. Hunter, Massachusetts Institute of Technology
"Fractal composition of biological tissue: Facts, implications, open questions"

Mikhail Ivanov, National Research Council of Canada
"Fighting 'decoherence' in rotationally hot diatomic molecule"

Kurt Jacobs, University of Massachusetts at Boston
"Feedback Control and Quantum Jumps"

Gregg Jaeger, Boston University
"Quantum coding, entanglement, and decoherence"

Juha Javanainen, University of Connecticut
"Feshbach resonant atoms in an optical lattice: a superfluid?"

Hsiang-Hua Jen, Georgia Institute of Technology

David Jones, University of British Columbia
"Coherent Buildup Cavities for Generating High-Flux, Spectrally Pure EUV Radiation."

Andrew Jordan, University of Rochester
"Quantum Undemolition - Undoing quantum measurement by erasing information"

Henry C. Kapteyn, University of Colorado at Boulder
"Attosecond Science on Surfaces"

Masayuki Katsuragawa, University of Electro- Communications, Japan
"Optical synthesis with broad Raman sidebands - Toward subfemtosecond regime"

Peter D. Keefe, Keefe & Associates
"Patents and Copyrights"

Peter D. Keefe, Keefe & Associates
"Quantum Mechanics and the Second Law: Can a Quantum Heat Engine Break the Law?" (poster)

H. Jeff Kimble, California Institute of Technology
"Quantum Networks in Quantum Optics"

Tobias Kippenberg, Max-Planck Institut für Quantenoptik
"Radiation pressure self-cooling of a micro-mechanical oscillator

Manfred Kleber, Technische Universität München
"Path integrals and wave packets in external fields" (poster)

Valeria D. Kleiman, University of Florida
"Coherent Control of Fluorescence Quantum Efficiency"

Rebecca Olson Knell, University of Maryland
"Photon Burst Detection of Multi-Level Atoms in Cavity QED"

Olga Kocharovskaya, Texas A&M University
"Level mixing induced transparency: theory and experiment"

Vitaly Kocharovsky, Texas A&M University
"Non-perturbation in fluctuations theory of BEC and theorem on non-polynomial averages in statistical physics"

Roman Kolesov, Texas A&M University
"Ramsey Interference in Coherent Population Trapping Spectrum of Ruby at Room Temperature"

Roman Kolesov, Texas A&M University
"Optically detected magnetic resonance and adiabatic population transfer in room-temperature ruby"

Al F. Kracklauer, University of Weimar
"The Semiclassical theory of optical 'Quantum' eraser experiments"

Al F. Kracklauer, University of Weimar
"The case against nonlocality" (poster)

Thilo Kraetschmer, University of Wisconsin at Madison
"Hyperspectral Absorption Spectroscopy Based on Femtosecond Lasers"

Tobias Kramer, Harvard University
"2D-matter waves in strong crossed electric and magnetic fields"

Tobias Kramer, Harvard University
"2D-matter waves in strong crossed electric and magnetic fields"

Hanna Krauter, Niels Bohr Institute, Copenhagen University
"Quantum teleportation between light and matter"

Norbert Kroó, Hungarian Academy of Sciences
"Quantum metal optics"

Andy Kung, Academia Sinica, Taiwan
"Single cycle optical pulses with constant carrier envelope phase"

Gershon Kurizki, Weizmann Institute of Science, Israel
"Multipartite entanglement and disentanglement"

Makoto Kuwata-Gonokami, University of Tokyo
"Study on the collision effects of cold excitons in Cu2O by excitonic Lyman spectroscopy"

Elena Kuznetsova, Texas A&M University
"Coherent generation of THz pulses in molecular gases and optical crystals"

Shau-Yu Lan, Georgia Institute of Technology
"Quantum telecommunication with atomic ensembles" (poster)

M. Howard Lee, University of Georgia
"How valid is Boltzmann's ergodic hypothesis?"

Kevin Lehmann, Princeton University
"Phonons and spontaneous symmetry breaking in helium droplets doped with spherical atoms calculated with Time Dependent Helium Density Functionals"

Monika Leibscher, Freie Universität Berlin
"Toward separation of nuclear spin isomers with coherent light"

Gerd Leuchs, University of Erlangen, Germany
"Quantum communication with coherent states"

Benjamin Lev, JILA/NIST/University of Colorado
"Prospects for cavity-assisted laser cooling of Stark decelerated OH"

Robert J. Levis, Temple University
"Control of Multicomponent Systems with Strong Laser Fields: A New Paradigm for Sensing"

Daniel Lidar, University of Southern California
"Quantum Error Correction beyond Completely Positive Maps"

Albrecht Lindinger, Freie Universität Berlin
"Optimal control methods applied on small molecules"

Vladimir Litvinenko, Brookhaven National Laboratory
"Rings (Coherent phenomena like electron cloud)"

Robert P. Lucht, Purdue University
"Femtosecond CARS Measurements of Gas-Phase Properties"

Mikhail D. Lukin, Harvard University
"Quantum register based on individual electron and nuclear spin qubits"

Lute Maleki, NASA Jet Propultion Laboratory
"Novel scheme for Bessel beam generation with WGM structure"

Alfred Maquet, Université Pierre et Marie Curie, Paris
"Resonances and Re-Collisions in Strong Field Atomic Processes"

Jim Martin, University of Waterloo, Canada
"Use of microwave dressing fields to enhance Rydberg atom interactions"

Jim Martin, University of Waterloo, Canada
"Fabrication of an atom chip for studying atom-surface interactions"

Eric Mazur, Harvard University
"Using short bursts of photons to manipulate biological matter at the nanoscale"

Ian McNulty, Argonne National Laboratory
"X-ray Vortices and Orbital Angular Momentum"

Carmen S. Menoni, Colorado State University
"Nanoscale imaging with soft x-ray lasers"

Ron Meyers, Army Research Laboratory
"Chaotic Laser Quantum Ghost Imaging"

Kazuhiko Misawa, Tokyo University of Agriculture and Technology
"Femtosecond isomerization of all-trans retinal triggered with a phase-locked pulse pair"

Peter J. Mohr, National Institute of Standards and Technology
"Fundamental Constants and the International System of Units"

Takamasa Momose, University of British Columbia
"Non-rigidity of hydrogen clusters at 0.4 K"

Dave Morrison, University of Utah
"Patent Searching"

Shaul Mukamel, University of California at Irvine
"Coherent Nonlinear Optical Spectroscopy of Molecules: Femtosecond Analogues of Multidimensional NMR"

Robert Murawski, Texas A&M University
"Wavepacket Oscillations In Cs-2"

Margaret Murnane, University of Colorado at Boulder
"Attosecond Science - Latest Developments and Expanding Opportunities"

Andre Mysyrowicz, ENSTA, école polytechnique, Palaiseau
"On Bose-Einstein condensation in CuCl and Cu2O"

Frank A. Narducci, Naval Air Systems Command
"Phase dynamics in EIT"

Edvardas Narevicius, University of Texas at Austin
"Coherent Slowing of Supersonic Beams"

Theo Nieuwenhuizen, University of Amsterdam
"Einstein versus Maxwell: is gravitation a curvature of space, or a field in flat space, or both?"

Hideomi Nihira, University of Rochester
—Talk Cancelled—

Mikhail Noginov, Norfolk State University
"Random lasers: so simple and so complicated"

Peter Nordlander, Rice University
"Plasmon hybridization: understanding and designing the energy landscape of plasmonic geometries"

Jeremy O'Brien, Bristol University
"Beating the standard quantum limit with four photons"

Gerhard Paulus, Texas A&M University
"Above-threshold ionization: An oddity finds applications"

Nino Pereira, Ecopulse, Inc., Springfield, VA
"A single-crystal X-ray spectropolarimeter"

Nino Pereira, Ecopulse, Inc., Springfield, VA
"A single-crystal X-ray spectropolarimeter"

Dmitry Pestov, Texas A&M University
"Detection of Bacterial Spores by means of Multiplex CARS spectroscopy"

Arkady Plotnitsky, Purdue University
"Prediction, Repetition, and Erasure in Classical and Quantum Physics: Experiment, Theory, and Philosophy"

Eric Potma, University of California at Irvine
"Spatial phase shaping in nonlinear coherent microscopy"

Kenneth Pregnell, Imperial College, UK
"Time Symmetry and Signatures of Quantum Metrology"

Georg Raithel, University of Michigan
"Cold Rydberg Atoms and Cold Plasmas"

Mark Raizen, University of Texas at Austin
"One-Photon Cooling"

Walter Rantner, University of Innsbruck
"Thermodynamics of the BCS-BEC crossover"

Ernst M. Rasel, Universität Hannover
"Atomic quantum sensors on ground and in space"

Jens Rauschenberger, Max-Planck Institut für Quantenoptik
"Frequency Combs and Enhancement Resonators"

Margaret Reid, University of Queensland, Australia
"Signifying macroscopic superpositions in squeezed and entangled field"

David Reitze, University of Florida
"Spectroscopy of Quantum Wells in High Magnetic Fields: Creating and Probing Coherence"

Jorge J. Rocca, Coloroda State University
"Recent developments in high repetition rate soft x-ray lasers"

Mercedes Roldan

Yuri Rostovtsev, Texas A&M University
"Toward Soft X-Ray Laser Without Inversion"

Pierre-Nicholas Roy, University of Alberta
"Theoretical studies of dopant rotations in helium quantum nano-clusters"

Sukesh Roy, Innovative Scientific Solutions Inc.
"High repetition rate gas-phase temperature measurements in reacting flows using femtosecond coherent anti-Stokes Raman scattering spectroscopy"

Artem Rudenko, MPI Heidelberg
"Time-resolved measurements with intense ultrashort laser pulses"

Bedrich Rus, Academy of Sciences of the Czech Republic
"Development and Applications of a 10-mJ Soft X-Ray Laser"

Bedrich Rus, Academy of Sciences of the Czech Republic
"Development and Applications of a 10-mJ Soft X-Ray Laser in High Energy Density Physics"

Neil Russell, Northern Michigan University
"Tests of Lorentz symmetry using antihydrogen"

Guido Saathoff, University of Colorado at Boulder
"Attosecond Science on Surfaces"

Vladimir A. Sautenkov, Texas A&M University
"Amplitude correlations of coupled optical fields in EIT experiments"

Anatoliy Savchenkov, NASA Jet Propultion Laboratory
"Parametric conversions in lithium niobate resonator"

Michael Scalora, AMSRD-WS-ST
"Negative refraction, subwavelength focusing, and super-resolution in one-dimensional, transparent, metallo-dielectric photonic band gap structures"

Tobias Schaetz, Max-Planck Institut für Quantenoptik
"Towards an ion-trap as an analog quantum simulator"

Thomas R. Schibli, JILA / University of Colorado
"Femtosecond enhancement cavities"

Wolfgang Schleich, Universität Ulm
"A tribute to two pioneers of quantum optics: Herbert Walther and Lorenzo Narducci"

Hans Schuessler, Texas A&M University
"Coherent oscillations of nano structures"

Jim Scully, American Airlines

Judy Scully, PQE

Marlan O. Scully, Texas A&M and Princeton University
"Bohr's 1913 Molecular Model Revisited"

Andrew Sessler, Lawrence Berkeley National Laboratory
"Intense Particle Beams: Uses, Needs, Desires, and Limitations"

Tom Settersten, Sandia National Laboratory
"Time-resolved wave-mixing spectroscopy as a probe of gas-phase collisional kinetics"

James P. Shaffer, University of Oklahoma
"Cold Rydberg Atom Interactions and Energy Transfer"

Selim M. Shahriar, Northwestern University
"Fast-Light for Astrophysics: Testing Alternate Theories of Gravity and Detecting Gravitational Waves"

Lu J. Sham, University of California, San Diego
"Density functional theory for entanglement and quantum phase transition"

Moshe Shapiro, University of British Colombia and the Weizmann Institute
"Proof of the [q,p] commutation relations based on canonical invariance, and the quantum theory of slow light"

Vladimir Shkunov, Raytheon Corporation

Gora Shlyapnikov, Universite de Paris Sud, Orsay, France
"Strongly interacting ultracold Fermi-Fermi mixtures"

Olga Smirnova, NRC Canada
"Attosecond XUV probing of strong-field electron dynamics"

Alexei Sokolov, Texas A&M University
"Toward subfemtosecond pulses by molecular modulation in gasses and solids"

Rogerio de Sousa, University of California at Berkeley
"Coherent control of magnetic noise at semiconductor surfaces"

Michael Spanner, University of Toronto
"New insights into the coherent control of reactive scattering"

Vaclav Spicka, Academy of Sciences of the Czech Republic
"Some Quantum Experiments from the Point of View of Stochastic Electrodynamics"

Christopher J. Stanton, University of Florida
"Coherent Phonons in Semiconductor Heterostructures"

Anthony F. Starace, University of Nebraska at Lincoln
"Initial State Symmetry Effects on ATD Plateau Enhancements"

Daniel Steck, University of Oregon
"Continuous Measurement of Atomic Motion"

Frank Stienkemeier, Universität Freiburg
"Dynamics and Coherence in Doped Helium Nanodroplets"

Albert Stolow, National Research Council of Canada
"Quantum Control via the Non-resonant Dynamic Stark Effect"

Heinrich Stolz, Universität Rostock
"On Bose-Einstein condensation of Excitons in Cuprous Oxide"

Heinrich Stolz, Universität Rostock
"On Bose-Einstein condensation of Excitons in Cuprous Oxide"

Gennady Stupakov, SLAC
"Beam cooling and phase space manipulations"

Szymon Suckewer, Princeton University
"Advances in Coherent Soft X-Ray Sources"

Anatoly Svidzinsky, Texas A&M University
"Master equation analysis of fluctuations in interacting BEC"

Richard J. Tansey, Lockheed Martin

Ioannis Thanopulos, University of British Colombia
"Coherently Controlled Adiabatic Passage to Multiple Continuum Channels"

Ioannis Thanopulos, University of British Colombia
"Laser-Operated Molecular Current Router"

Masahito Ueda, Tokyo Institute of Technology
"Quantum measurement and the second law of thermodynamics"

David Voss, AAAS

Nick Wagner, University of Colorado at Boulder
"Monitoring Molecular Dynamics using Attosecond Electrons Recollisions"

Reinhold Walser, Universität Ulm
"Dropping cold quantum gases on Earth over long times and large distances"

Thomas Walther, Technische Universität Darmstadt
"Prospects of Trapping Neutral Mercury"

George R. Welch, Texas A&M University
Welcoming Remarks

George R. Welch, Texas A&M University
"Nonlinear Magneto-optic Polarization Rotation with Intense Laser Fields"

Birgitta Whaley, University of California, Berkeley
"A measurement-based measure of Schrodinger cat state size"

Howard Wiseman, Griffith University, Australia
"Achieving Heisenberg-limited interferometry: can quantum control help?"

Curt Wittig, University of Southern California
"Closely spaced vibronic levels in helium droplets"

Jonathan Wurtele, University of California at Berkeley

Ludger Wöste, Freie Universität Berlin
"Remote Sensing of the Atmosphere: From DIAL-Systems Inspired by Herbert Walther to Femtosecond LIDAR"
Min Xiao, University of Arkansas
"Controlled nonlinear dynamical effects with EIT medium inside an optical cavity"

Sunney Xie, Harvard University
"CARS Microscopy"

Deniz Yavuz, University of Wisconsin
"All optical femtosecond switch using two photon absorption"

Deniz Yavuz, University of Wisconsin
"Electromagnetically Induced Transparency with Broadband Laser Pulses"

Susanne Yelin, University of Connecticut
"Tunable negative refraction and electromagnetically induced chirality"

Nan Yu, NASA Jet Propultion Laboratory
"Physics and applications with cold atom interferometer"

Ting Yu, University of Rochester
"Entanglement Sudden Death in Mixed Bipartite Systems"

Wenxian Zhang, Ames Laboratory
"Dynamical control of two level system's decay into continuum"

Ran Zhao, Georgia Institute of Technology

Alexander Zholents, Lawrence Berkeley National Laboratory
"How ideas of intense transport and manipulation of high-quality beams apply to future FEL light sources"

Shi-Yao Zhu, Hong Kong Baptist College
"Atom decay in one dimensional photonic crystals composed of dispersive left handed materials"

Xiaowei Zhuang, Harvard University
—Talk Cancelled—