PQE-2010 Participants

Victor Acosta, University of California Berkeley
"Perfect defects? Spin-ensemble magnetometry with Nitrogen-Vacancy centers in diamond"

Bernhard Adams, Argonne National Laboratory
"Manipulation of nuclear γ-ray superradiance"

Bernhard Adams, ANL
"Quantum Optics with X-Rays" (poster)

Verònica Ahufinger , ICREA and Universitat Autònoma de Barcelona
"Coherent patterning of matter waves with subwavelength localization"

Verònica Ahufinger , ICREA and Universitat Autònoma de Barcelona
"Nonlinear matter wave STIRAP: Coherent control of a Bose-Einstein Condensate in a double well potential (poster)

Eric Akkermans, The Technion, Israel
"Casimir effect and other QED vacuum properties from the viewpoint of Shannon information"

Dan Allen, Sandia National Laboratories
"Optical bi-stability in terahertz quantum cascade lasers" (poster)

Ofir E. Alon, University of Heidelberg
"Interferences with distinguishable BECs and more"

Ulrik Andersen, Technical University of Denmark
"Quantum coherence of continuous variable systems can survive complete loss"

Ulrik Andersen, Technical University of Denmark
"Squeezed light averaging" (poster)

Steven M. Anlage, University of Maryland
"Smaller, Faster, Colder: Superconducting Metamaterials"

Steven M. Anlage, University of Maryland
"'Quantum Chaos' With Classical Waves" (poster)

Harry Atwater, California Institute of Technology
"Plasmonics at the dielectric/metal transition and plasmonic networks"

Vanderlei S. Bagnato, IFSC/ Univeristy of Sao Paulo
"Emergence of Turbulence in a BEC"

Thomas Becker, Max Planck Institute of Quantum Optics
"New spectroscopic techniques for Rydberg atoms"

Mikhail Belkin, The University of Texas at Austin
"THz quantum cascade laser sources for room-temperature operation"

Alexey Belyanin, Texas A&M University
"Instabilities, multimode dynamics, and ultrafast modulation of mid-infrared quantum cascade lasers"

Fetah Benabid, University of Bath
"Towards a CW photonic intensity waveform synthesizer"

William Blackman, Carrier, Blackman & Associates
"Obtaining a Patent"

Miles P. Blencowe, Dartmouth College
"Analogue Hawking Radiation in a Superconducting Circuit"

Doerte Blume, Washington State University
"s-wave interacting Fermi gas under harmonic confinement"

Doerte Blume, Washington State University
"Tuning the structural and dynamical properties of a dipolar Bose-Einstein condensate: Ripples and instability islands" (poster)

Alexandra Boltasseva, TU Denmark / Purdue University
"Searching for Better Plasmonic Materials"

Robert W. Boyd, University of Rochester
"New Results in Quantum Imaging"

Howard E. Brandt, U.S. Army Research Laboratory
"Jacobi Fields in Quantum Circuit Complexity Analysis"

Howard J. Brubaker
"Marketing Intellectual Property"

Steve Brueck, University of New Mexico
"Large-Area Linear and Nonlinear Nanophotonics"

Leonid Butov, University of California San Diego
"Exciton Condensates"

Hui Cao, Yale University
"Recent Developments of Random Lasers"

Hui Cao, Yale University
"Effects of Partial Pumping on Random Lasing Modes in Weakly Scattering Systems" (poster)

Lincoln D. Carr, Colorado School of Mines
"Tunable Molecular Quantum Many Body Dynamics"

Lincoln D. Carr, Colorado School of Mines
"Metastable quantum phase transitions in a periodic one-dimensional Bose gas" (poster)

William Case, Grinnell College
"Optical Carpets from the Talbot and Talbot-Lau Effects"

Andrey Chabanov, University of Texas at San Antonio
"Statistics of Fluctuations and Correlation of Localized Waves"

Andrey Chabanov, University of Texas at San Antonio
"Nonuniversal dynamic conductance fluctuations in turbid media" (poster)

Che-ting Chan, Hong Kong University of Science & Technology
"Illusion effects created using transformation optics"

Thierry Chanelière, Laboratoire Aimé Cotton - CNRS
"Few photons storage in thulium doped crystals"

See Leang Chin, Laval University
"Femtosecond laser filamentation and molecular rotation"

Yidong Chong, Yale University
"Coherent perfect absorbers" (poster)

Kent D. Choquette, University of Illinois
" 'Green' Photonic Laser Sources"

Weng Chow, Sandia National Laboratory
"Solid-state lighting and the efficiency droop problem"

Leon Cohen, City University of New York (Hunter College)
"The propagation of noise fields in a dispersive medium"

Robin Cote, University of Connecticut
"Coherent manipulation of ultracold polar molecules"

Marcos Dantus, Michigan State University
"Strategies for coherent spectroscopy based on a single broad bandwidth shaped pulse"

Johann Georg Danzl, University of Innsbruck
"An ultracold, high-density sample of rovibronic ground-state molecules in an optical lattice"

Johann Georg Danzl, University of Innsbruck
"An ultracold, high-density sample of rovibronic ground-state molecules in an optical lattice" (poster)

Walter C. Daugherity, Texas A&M University
"Quantum-Type Reversible Circuits and Algorithms"

Ilya Dodin, Princeton University
"Compressing linear waves trapped in plasma"

Gerald Dunne, University of Connecticut
"The Schwinger Effect: Nonperturbative Pair Production from Vacuum"

J. Gary Eden, University of Illinois
"Microcavity Plasma Arrays and Coupling of Semiconductor and Gas Phase Plasmas"

J. Gary Eden, University of Illinois
[No title provided]

Hichem Eleuch, Texas A&M University
"Analytical Solutions of the Schrodinger Equation in time and space"

Hichem Eleuch, Texas A&M University
"New Analytical Solutions of the Schrodinger Equation" (poster)

Nader Engheta, University of Pennsylvania
"Nonlinear Nanostructures in Metactronics"

Jörg Evers, Max Planck Institute for Nuclear Physics
"Yoctosecond photon pulses from quark-gluon plasmas"

Claude Fabre, Université Pierre et Marie Curie
"Quantum information processing and clock synchronization beyond the standard quantum limit using quantum frequency combs"

Claude Fabre, Université Pierre et Marie Curie
"G2 measurements at the femtosecond scale using two-photon absorption" (poster)

Jingyun Fan, University of Maryland and NIST
"High-brightness and -fidelity photon sources"

Jonathan Fan, Harvard University
"Fano Interference in Self-Assembled Plasmonic Nanoparticle Clusters"

Nick Fang, University of Illinois at Urbana-Champaign
"Molding the Flow of Light and Sound With Metamaterials"

Nat Fisch, Princeton University
"Compressing Waves in Plasma"

Ron Folman, Ben-Gurion University
"Atom chips: one decade of ultra cold atoms microns from a surface"

Edward S. Fry, Texas A&M University
"Ring-Down Spectroscopy in an Integrating Cavity"

Ivdar Gabitov, University of Arizona
"Coherent loss compensation in optical metamaterials"

Alexander Gaeta, Cornell University
[No title provided]

Li Ge, Yale University
"Probing Random Lasers using Ab Initio Self-Consistent Theory" (poster)

Patrice Genevet, Texas A&M University
"Experimental observation of Localized vortices in semiconductor Lasers"

Elisabeth Giacobino, Laboratoire Kastler Brossel, CNRS, UPMC, ENS, Paris
"Superfluidity of polaritons in semiconductor microcavities"

Hyatt M. Gibbs, University of Arizona
"Strongly Coupled Single-Quantum-Dot Nanocavity System: From Vacuum Rabi Splitting to Lasing"

George N. Gibson, University of Connecticut
"Dissipative Control in Thermal Ensembles using Tunneling Ionization" (poster)

Claire Gmachl, Princeton University
"Highly power-efficient Quantum Cascade lasers"

Anita Goel, Nanobiosym
"Quantum Frontiers of Nano-Bio-Physics"

Philippe Goldner, Ecole Nationale Supérieure de Chimie de Paris
"Coherent Collective Emission in a Random Medium"

Ariunbold Gombojav, Texas A&M University
"Fluctuations in Superfluorescence Delay Time" (poster)

Ted Goodson, University of Michigan
"Entangle Photon Spectroscopy of Organic Molecules"
Chris Greene, University of Colorado
"Ultracold 4-body systems and the Efimov effect"
Naomi Halas, Rice University
"Optically responsive complexes for nanomedicine"
Edward Hamilton, Grand Valley State University
"Control of the alignment dynamics of asymmetric top molecules by means of laser pulses"
Russell Hart, University of Innsbruck
"Metal-Insulator Transitions and Transport of Ultracold Atoms in Optical Lattices"
Russell Hart, University of Innsbruck
"Metal-Insulator Transitions and Transport of Ultracold Atoms in Optical Lattices" (poster)
Mark D. Havey, Old Dominion University
"Light scattering in high density and ultracold Rb"
Philip Hemmer, Texas A&M University
"High resolution single spin imaging with NV diamond"
Adilet Imambekov, Rice University
"Exact Solution for 1D Spin-Polarized Fermions with Resonant Interactions"
Adilet Imambekov, Rice University
"Exact Solution for 1D Spin-Polarized Fermions with Resonant Interactions" (poster)
Bryan Jacobs, Johns Hopkins Univ. Applied Physics Lab
"Hybrid Information Processing"
Ravi Jain, University of New Mexico
"Diode-pumped High-Power Mid-IR Fiber Lasers and Amplifiers"
Pankaj Kumar Jha, Texas A&M University
"Coherent Control of Three-Photon Absorption under Bichromatic Excitation" (poster)
Paul Julienne, NIST Joint Quantum Institute
"Universal reaction rates for ultracold molecular collisions"
Robin Kaiser, CNRS, France
"Random Lasing with Cold Atoms"
Robin Kaiser, CNRS, France
"Cooperative Radiation Pressure and Disorder" (poster)
Mark A. Kasevich, Stanford University
"Quantum Simulation with Bose-Einstein Condensed Atoms and High Finesse Optical Cavities"
Masayuki Katsuragawa, University of Electro- Communications, Japan
"Efficient generation of Raman-type otptical frequency comb in an enhancement cavity"
Louis H. Kauffman, Univeristy of Illinois at Chicago
"Topological Quantum Information Theory"
Alexey Kavokin, University of Rome II
"Superconductivity mediated by a Bose-Einstein condensate of exciton-polaritons"
Peter D. Keefe, Keefe and Associates
"Intellectual Property"
Peter D. Keefe, University of Detroit Mercy
"Quantum Mechanics and the Second Law of Thermodynamics: Can a Superconductor Heat Engine Break the Law?" (poster)
Robert Kirkwood, Lawrence Livermore National Laboratory
"Using non-linear Raman amplification in a plasma to increase laser power and improve coupling to fusion targets at large laser facilities"
Olga Kocharovskaya, Texas A&M University
"Study of ions interactions in solids by means of EIT"
Vitaly Kocharovsky, Texas A&M University
"Analytical solution for BEC critical phenomena"

Pavel Kolchin, University of California Berkeley
"Single and Two-Photon Scattering on a Ladder-type Atom in 1D Waveguide" (poster)
Vassilios Kovanis, Air Force Research Laboratory
"Nonlinear dynamics of photonic circuits: gain lever, optical injection and coupled lasers"
Roman Krems, University of British Columbia
"Collision dynamics of molecules and rotational excitons in an ultracold gas confined by an optical lattice"
Johann Kroha, University of Bonn
"Selfconsistent transport theory of diffusive random lasers"
Norbert Kroó, Hungarian Academy of Sciences
"Multiplasmon processes in enhanced laser fields"
Stefan Kröll, Lund University
"Coherent interactions in rare earth ion doped crystals for quantum memory and quantum computer development"
Peter Krüger, University of Nottingham
"A radio-frequency based integrated atom interferometer and the 1d Bose gas"
Andy Kung, Academia Sinica, Taiwan
"Waveform Synthesis using Frequency Combs Generated by Molecular Modulation"
Takayuki Kurosu, National Insititute of Advanced Industrial Science and Technology
"Parametric Delay Dispersion Tuner"
Mikael Käll, Chalmers University of Technology
"Alignement, Rotation and Spinning of Plasmonic Nanoparticles using Polarization Dependent Optical Forces"
Chao-Kuei Lee, NSYSU
"Measurement of Octave-spanning Raman Generated Ultrafast Pulses"
M. Howard Lee, University of Georgia
"Superstable 3-cycle in the logistic map and Sharkovskii's theorem"
Hebin Li, Texas A&M University
"Carrier-envelop phase effect of RF pulses: sine vs cosine"
Michael Lilly, Sandia National Laboratories
"Electrical transport techniques to probe the ground state of closely spaced electron-hole bilayers"
Yu-Ju Lin, NIST Gaithersburg and Univeristy of Maryland
"Optically synthesized magnetic fields for ultracold neutral atoms"
Michal Lipson, Cornell University
"Transformational optics in the optical regime using nanophotonic structures"
Natalia Litchinitser, University at Buffalo
"Transition Metamaterials"
Romain Long, Laboratoire Kastler Brossel
"Transition from atom number bunching to antibunching in a double-well potential on an atom chip"
Peter van Loock, Max Planck Institute for the Science of Light
"A note on quantum error correction with continuous variables"
Patrick Loughlin, University of Pittsburgh
"Local duration-bandwidth product of a propagating pulse"
Ting Shan (Willie) Luk, Sandia National Laboratory
"Enhanced spontaneous emission from photonic crystal microcavities"
Stefan Maier, Imperial College London
"Concepts for spectral and spatial mode tailoring of optical plasmonic nanocavities and THz plasmonic metamaterials"
Svetlana Malinovskaya, Stevens Institute of Technology
"Adiabatic Raman Passage Using an Optical Frequency Comb"
Ludwig Mathey, NIST, Gaithersburg
"Supercritical superfluid and vortex unbinding following a quantum quench"

Richard Mathies, University of California Berkeley
"Femtosecond Time-Resolved Stimulated Raman Spectroscopy"
Colin McKinstrie, Bell Laboratories, Alcatel-Lucent
"Recent advances in fiber-based devices"
Samuel Meek, Max Planck Berlin
"Taming molecular beams; towards a molecular laboratory on a chip"
Carmen Menoni, Colorado State University
'Nanoscale imaging and patterning using bright beams of soft x-ray light from table-top lasers"
Valery Milner, University of British Columbia
"Narrow-band correlation spectroscopy with broad-band laser pulses"
Kazuhiko Misawa, Tokyo University of Agriculture and Technology
"Sensitive detection of inhalational anesthetic molecules by heterodyne-detected single-beam CARS using adaptively phase-modulated femtosecond pulses"
Kazuhiko Misawa, Tokyo University of Agriculture and Technology
"Arbitrary vector field shaping of femtosecond pulses by a phase-locked Mach-Zehnder interferometer" (poster)
Kazuhiko Misawa, Tokyo University of Agriculture and Technology
"Vibrational wave-packet control in cyanine dye molecules with free and restricted conjugated backbones" (poster)
Dave Morrison, University of Utah
"Searching U.S. And Foreign Patents For Related Technologies"
Herbert O. Moser, National University of Singapore
"THz meta-foil – a platform for practical applications of metamaterials"
Shaul Mukamel, University of California, Irvine
"Stimulated CARS Resonances Revisited: Double-slit Interference of Two-photon Pathways"
Frank A. Narducci, Naval Air Systems Command
"Recoil-induced resonances for temperature measurements and all-optical switching"
Eugeni Narimanov, Purdue University
"Infinite at Any Frequency: the photonic density of states in (meta)materials with hyperbolic dispersion and related phenomena"
Paul D. Nation, Dartmouth College
"Evolution of a Trilinear Hamiltonian: Lessons for Hawking Radiation and Information Loss" (poster)
Nathan Newbury, NIST
"Fiber-based frequency combs and some precision measurement applications"
Theo Nieuwenhuizen, University of Amsterdam
"Black holes with hair as a normal state of matter"
Cun-Zheng Ning, Arizona State University
"More Gain with More Loss: Metals as Gain Enhancers and Plasmonic Nanolasers"
Mikhail A. Noginov, Norfolk State University
"Loss Reduction and Stimulated Emission in Nanoplasmonic Systems"
Peter Nordlander, Rice University
"Quantum descriptiuon of plasmons in strongly coupled metallic nanostructures"
Lukas Novotny, University of Rochester
"'Free-Space Excitation of Propagating Surface Plasmon Polaritons"
Paolo Nussenzveig, Instituto de Fisica – USP, Brazil
"Three-color entanglement: generation characteristics and robustness"
Chris O'Brien, Texas A&M University
"Coherent Control of Optical Fluorescence Channels in 3-Level Systems" (poster)
Koryun Oganesyan, Yerevan Physics Institute
"Theory of Smith-Purcell Radiation from Rough Surfaces"
Koryun Oganesyan, Yerevan Physics Institute
"Coherent Smith-Purcell Radiation in Millimetre Wavelength Region" (poster)

Kenji Ohmori, Institute for Molecular Science, Japan
"Spatiotemporal coherent control with picometer and attosecond precision; From cold molecules to bulk solids"

Willie Padilla, Boston College
"Infrared Metamaterials for Controlling Blackbody Emission"

Adriana Palffy, Max Planck Institute, Heidelberg
"X-ray single-photon entanglement via coherent control of nuclei"

Scott Papp, California Institute of Technology
"Characterizing multipartite entanglement with uncertainty relations"

Vittorio Pellegrini, NEST CNR-INFM and Scuola Normale Superiore Pisa (Italy)
"Seeing inter-layer excitonic coherence in the excitations of electron double layers"

John Pendry, Imperial College London
"Transformation Optics & the Control of Electromagnetic Radiation"

Thomas Pfeifer, Max-Planck Institute for Nuclear Physics
"Measurement and CEP control of isolated attosecond pulse contrast"

Thomas Pfeifer, Max-Planck Institute for Nuclear Physics
"Attosecond control experiments in the quasi-classical and multiphoton regimes" (poster)

Nitipat Pholchai, University of California Berkeley
"Spontaneous Emission into Hybrid Plasmonic Waveguide" (poster)

Barbara Pietka, Ecole Polytechnique Fédérale de Lausanne, Switzerland
"Condensation of exciton-polaritons in a semiconductor microcavity"

Juan Pino, JILA
"Counting phonons: a new window into strongly interacting superfluid"

Scott Pollack, Rice University
"Interaction Effects in Anderson Localization of an Ultracold Atomic Gas"

Sergey Polyakov, NIST
"Towards DLCZ-type solid state quantum memory: tailored state preparation"

Tenio Popmintchev, JILA, University of Colorado at Boulder
"Laser Pulse Self-Compression and Phase Matching of High Harmonic Generation at 0.5 keV"

Paul Preiss, Universität Ulm
"On the Quantum Theory of the FEL"

Yehiam Prior, Weizmann Institute of Science
"Molecular Alignment – Small And Large, Slow And Fast"

Valentyn Prokhorenko, University of Toronto, Canada
"Coherent Multidimensional Spectroscopies with Coherent Control Capabilities"

Stojan Radic, University of California San Diego
"Distributed Mixer Engineering with Molecular-Scale Accuracy"

Ernst M. Rasel, Leibniz Universität Hannover
"Giant Matterwaves"

Serge Reynaud, Ecole normale supérieure Paris
"Dynamical Casimir radiation and analogues"

Martin Richardson, CREOL, The College of Optics & Photonics
"A new kid on the block - the thulium fiber laser"

Max Riedel, LMU and MPQ Munich
"Atom chip based generation of entanglement for quantum metrology"

Giacomo Roati, LENS, University of Florence
"A tunable Bose-Einstein condensate in disordered potentials"

Jorge J. Rocca, Colorado State University
"Table-top soft x-ray lasers with shorter wavelengths and smaller size"

Oleksiy Roslyak, Hunter College, CUNY
"Signatures of carrier multiplication in polariton fluorescence spectra"

Yuri Rostovtsev, University of North Texas
"Quantum coherence excited by far-detuned optical pulses: generation of X-ray and nuclear radiation"

Ralf Röhlsberger, Deutsches Elektronen Synchrotron DESY
"The collective Lamb shift in Nuclear Resonant Scattering"

Hossein Sadeghpour, ITAMP/Harvard University
"Cold dimer formation and other spin relaxation processes in a buffer-gas cooled magnetic trap"

Roland Sauerbrey, Research Centre Dresden-Rossendorf (FZD)
"High Intensity Lasers as Undulators for FEL's"

Wolfgang Schleich, Universität Ulm
[No title provided]

Ralf Schützhold, Universität Duisburg-Essen
"Fundamental effects from a quantum optics perspective"

Marlan O. Scully, Texas A&M and Princeton University
"The Quantum Solar Cell: Using quantum thermodynamics to mitigate recombination and enhance efficiency"

Tamar Seideman, Northwestern University
"Spinning Tops in External Fields. From High Harmonic Generation to Control of Transport in the Nanoscale"

Tamar Seideman, Northwestern University
"Origin and implication of ellipticity in high harmonic generation from aligned molecules" (poster)

Eyob A. Sete, Texas A&M University
"Transient XUV lasing without inversion via He triplet states"

Vladimir M. Shalaev, Purdue University
"Transforming Light with Metamaterials"

Gennady Shvets, University of Texas at Austin
"Slow light in plasmonic metamaterials: the double-Fano resonance approach"

Torsten Siebert, Freie Universitaet Berlin
"TowardsSupercontinuumSpectroscopyand ControlofUltrafastMolecularProcesses"

Sergey Skipetrov, CNRS and Joseph Fourier University
"Self-consistent theory of Anderson localization"

Brian J. Smith, University of Oxford
"Photon-pair generation in birefringent fibers"

David Smith, Duke University
"Controlling light with transformation optical metamaterials"

Alexei Sokolov, Texas A&M University
"Backward mirror-less lasing achieved through pump pulse shaping"

Igor M. Sokolov, State Polytechnic University, St. Petersburg
"Light scattering from high density ultracold atomic clouds"

Igor M. Sokolov, State Polytechnic University, St. Petersburg
"Light trapping in high-density, ultracold atomic ensembles applied to the quantum memory problem" (poster)

Marin Soljacic, Massachusetts Institute of Technology
"Novel platforms for light sources"

Costas Soukoulis, Ames Laboratory
[No title provided]

Vaclav Spicka, Academy of Sciences of the Czech Republic
"Fast dynamics of mesoscopic systems"

Nikolai Stelmakh, University of Texas at Arlington
"Shaping spontaneous emission pattern by plasmonic nanocavity"

Nikolai Stelmakh, University of Texas at Arlington
"Modes of a travelling-wave phase-sensitive optical parametric amplifier" (poster)

Mark I. Stockman, Georgia State University
"New Horizons of Nanoplasmonics: from SPASER to Attoseconds"

Douglas Stone, Yale University
"Novel Lasing Structures and Phenomena from Ab Initio Theory"

William C. Stwalley, University of Connecticut
"The electronic spectroscopy of ultracold KRb molecules"

Szymon Suckewer, Princeton University
"Coherently Driven Transitions in He atoms and He-Like Ions for XUV and X-Ray Lasing: Approach to Experiments"

Dong Sun, Texas A&M University
"Control of ElT and Pulse Propagation by Pulse Shaping" (poster)

Anatoly Svidzinsky, Texas A&M University
"Design of a quantum dot (well) solar energy convertor utilizing wide solar spectrum"

Pascal Szriftgiser, Laboratoire PhLAM, CNRS, USTL
"The Anderson metal-insulator transition with atomic matter waves"

Satoshi Takeuchi, RIKEN
"Capturing structural snapshots of reacting molecules by femtosecond time-domain Raman spectroscopy"

Eddy Timmermans, Los Alamos National Laboratory
"Pseudo-spin-spin interactions, hysteresis and macroscopic tunneling in ultra-cold atoms"

Andrew Traverso, Texas A&M University
"Optimizing Stand-Off Superradiant Spectroscopy Via a Genetic Algorithm" (poster)

Hakan Tureci, ETH Zurich
"Nature of lasing modes in weakly scattering disordered media"

Sándor Varró, Hungarian Academy of Sciences
"Correlations in single-quantum experiments. A note on wave-particle duality"

Sándor Varró, Hungarian Academy of Sciences
"Neutron antibunching in a recent experiment" (poster)

Michael Vasilyev, University of Texas at Arlington
"Multichannel all-optical regeneration"

Stephen P. Walborn, Universidade Federal do Rio de Janeiro
"Non-Gaussian Entanglement with Spatial Variables of Photons"

Lijun Wang, Max-Planck Institute for the Science of Light
"Cooling and Stochastic Resonance of a Macroscopic Oscillator"

Qijie Wang, Nanyang Technological University
"Directional emission from deformed microcavities"

Mike Wanke, Sandia National Laboratory
"THz transceivers"

Daniel Wasserman, University of Massachusetts Lowell
"Mid-infrared Plasmonics"

Martin Wegener, Karlsruhe Institute of Technology
"Towards 3D photonic metamaterials"

Matthias Weidemüller, University of Heidelberg
"Ultracold Polar Molecules in the Rovibrational Ground State"

Yaakov Weinstein, Mitre Corporation
"Constructing Photonic Cluster States for Quantum Computattion"

Christoph Weiss, University of Oldenburg
"Mesoscopic quantum superpositions of a Bose-Einstein condensate in a periodically shaken double well"

Christoph Weiss, University of Oldenburg
"Generating 'Schrödinger-cat' states via scattering of quantum matter wave solitons" (poster)

Martin Weitz, Universität Bonn
"Two-dimensional blackbody radiation from an optical microresonator"
George R. Welch, Texas A&M University
"Heterodyne Coherent anti-Stokes Raman scattering for spectral phase retrieval and signal amplification"
Andreas O. J. Wiberg, University of California San Diego
"Polychromatic Parametric Processing of Ultrafast Fields"
Howard Wiseman, Griffith University
"Platonic Love at a Distance"
Hui Xia, Princeton University
"Experimental Schemes for Coherently Driven Transitions in He and He-like Ions for XUV and X-Ray Lasing" (poster)
Lei Xu, Fudan University, Shanghai
"Coupled Microcavities for Single Mode Lasing and Biosensing"
Vladislav V. Yakovlev, University of Wisconsin - Milwaukee
"Biomedical applications of stimulated Raman scattering"
Alexey Yamilov, Missouri Univeresity of Science and Technology
"Classification of regimes of wave transport in non-conservative random media" (poster)
Nikolai Yampolsky, Los Alamos National Laboratory
"Demonstration of detuning and wavebreaking effects on laser amplification by means of backward Raman scattering in plasma"
Deniz D. Yavuz, University of Wisconsin at Madison
"Continuous-Wave Raman Generation in Molecules"
Jun Ye, JILA/NIST, and University of Colorado
"Polar molecules - dipolar collisions and ultracold chemistry"
Li You, QingHua University
"Mixtures for two spin-1 condensates"
Luqi Yuan, Texas A&M University
"The Study of the Pump-Control-Probe Experiment in Cesium Dimer" (poster)
Xiang Zhang, University of California Berkeley
"Optical cloaking and Plasmon lasers"
Aleksei Zheltikov, Moscow State University
"Ultrafast guided-wave photonics: Colorful ways to tailor ultrashort optical field waveforms"
Nikolay Zheludev, University of Southampton
"Nonlinear and Switchable Metamaterials"
Miaochan Zhi, Texas A&M University
"Broadband light generation in CVD single crystal diamond"
Fei Zhou, University of British Columbia
"Beyond mean-field spin dynamics"
Klaus Ziegler, Institut fuer Physik, Universitaet Augsburg
"Anderson localization in fermionic mixtures"