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Coherent Comb Generation using Integrated Slotted Fabry-Pérot Semiconductor Lasers

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Tunable 1550-nm VCSEL Using High Contrast Gratings

2D and 3D Photonic Crystal Nanocavity Lasers with Quantum Dot Gain

Cavity Design of Nanomembrane MR-VCSELs on Silicon

Instabilities in Optically-Pumped 1300nm Dilute Nitride Spin-VCSELs: Experiment and Theory

High-Order Harmonic Generation

Isolated High-Harmonics Pulse from Two-Color-Driven Bloch Oscillations in Bulk Semiconductors

High-Harmonic Generation using a kHz, 2.1-µm OPCPA Pumped by a ps Cryogenic Yb:YAG Amplifier

Improved Efficiency and Divergence of Intense High-Order Harmonics from Carbon Plasma

Multicore Fibers

Multicore Optical Fibers and Connectors for Short Reach, Computer Compatible, High Density Links

Recent Advance in Multicore Fibers for Spatial Division Multiplexing

Laminated Polymer Waveguide Fan-out Device for Uncoupled Multi-core Fiber

Direct Growth on Si

InAs/GaAs Quantum-Dot Lasers Monolithically Grown on Si Substrate

Monolithic Integration of III/V Devices on Si(001)

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**Applications of Attosecond and Short-Wavelength Sources**

ThCC1 Imaging of Valence Shell Dynamics using Intense Laser Pulses
ThCC2 A Narrow Linewidth Picosecond Pulsed Laser System for Hydrogen Ion Beam Stripping
ThCC3 Development of Highly Spatial-Coherent, 13.5-nm High-Order Harmonics for EUVL Mask Inspection Using Coherent EUV Scatterometry Microscope

**Fiber Biophotonics and Devices**

ThDD1 Nonlinear Optical Fiber Endomicroscopy Towardds Clinical Applications
ThDD2 The Optical Manipulation of Micron Particles and Bio-Samples with Counter-Propagating Bessel-Like Beam of All Fiber Structure
ThDD3 Radiation Pressure Induced Optical Syringe Within Micro Fluidic Channel
ThDD4 Analyses of Micro-Fluid Flow in a Hollow Core Fiber based on Optical Interference
ThDD5 Fiber Bragg Sensors Made with IR Femtosecond Radiation

**Novel Hybrid Devices**

ThEE1 High-Density Hybrid Integrated Light Sources for Photonics-Electronics Convergence System
ThEE2 CMOS-Compatible VCSEL
ThEE3 Nanomembrane Transfer Printing for MR-VCSELs on Silicon

**Nanoplasmonics II**

ThFF1 Nonlinear MIM Nanoplasmonic Waveguide Based on Electron Tunneling for Ultrafast Optical Pulse Rectification
ThFF2 Surface Enhanced Raman Scattering Excited by Dielectric-loaded Surface Plasmon Polariton Waveguides
ThFF3 Closed-Form Modelling of Plasmonic Mesh Structures
ThFF4 Minimal Formulation of the Resonance Properties of Metallic Nanoslit Arrays
ThFF5 The Mie Theory and Its Nanocircuits and Nanoimpedances for Plasmonic Nanoparticles
ThFF6 Modal Analysis of a Novel Nanophotonic Plasmon Hollow Waveguide

**Post Deadline**

PD1 Hybrid III-V Silicon Photonic Steerable Laser
PD1.1 1-Tb/s Dual-Carrier 80-GBaud PDM-16QAM WDM Transmission at 5.2 b/s/Hz over 3200 km
PD1.2 Demonstration of a Novel Single-Mode Hybrid Silicon Microlaser
PD1.3 A Photonic Integrated Circuit for a 40 Gbaud/s Homodyne Receiver Using a Optical Costas Loop
PD1.4 A 55Gb/s Directly Modulated 850nm VCSEL-Based Optical Link
PD1.5