

2020 CLEO PR Virtual Conference - Poster Listing

Presenting Authors	Poster PDF	Session
Ibrahim Abdulrahman Mahmood Al-Ani	Absorption Enhancement of WS₂ Monolayer Based on Si₃N₄ Nanowires	Poster Presentations - 4
Mohanad Al-Rubaiee	Low Cost Mode-Locked Laser Source for Two-Photon Microscopy	Poster Presentations - 4
Yu Aoyagi	Efficient CW Operation of a Single-Emitter Multi-Mode Laser-Diode-Pumped Hemispherical Short Cavity Laser by High Intensity Pumping	Poster Presentations - 1
Xiangxing Bai	Precision Interface Angle Sensing Via the Spin Hall Effect of Light	Poster Presentations - 4
Zhenxu Bai	Towards Far-Infrared Lasing by Diamond Raman Conversion	Poster Presentations - 1
Saurabh Bhardwaj	Femtosecond Laser Written Point-by-Point Bragg Gratings in Few-Mode Optical Fibre	Poster Presentations - 1
Tang Bin	Experimental Research on Water Chroma Measurement Using Plastic Optical Fiber Technology	Poster Presentations - 3
Protik Chandra Biswas	Multiple Nonlinear Regression-Based Adaptive Colour Model for Smartphone Colorimeter	Poster Presentations - 3
Neil Irvin Cabello	Enhanced Terahertz Emission of Silicon Nanowire-Coated Gallium Arsenide Photoconductive Antenna	Poster Presentations - 3
Minxue Cai	Reconfigurable Integrated Comb Filters Based on Self-Coupled Microring Resonators with Mode-Splitting Feature	Poster Presentations - 2
John Canning	3D Printed Durable Flexible Memory Thermo Plastic Copolymers for Packaging of Optical Components	Poster Presentations - 3
Bagath Chandraprasad	Optical Phase Extraction using Fourier, Continuous Wavelet and Hilbert Transform Methods – Effect of Carrier Frequency	Poster Presentations - 4
Chia-Ying Chang	Unmanned Tracked Vehicle Tracking Based on Model Predictive Control with Visual-Inertial Odometry	Poster Presentations - 3
Yanhu Chen	A Quantum Scheme for Calculating The Inner Product of Unsigned Vectors	Poster Presentations - 5
Yingjie Chen Li Zhang Yuhan Dong	QPSK-OFDM Optical Wireless Communication System Based on a Near-infrared VCSEL Using Convolutional Code	Poster Presentations - 1
Youling Chen	Scattering of Multinoparticles in a Multimode Whispering Gallery Microspheroid Resonator	Poster Presentations - 4
Zhenmin Chen	Dispersion Engineer by Liquid Filled in Microbubble Resonators	Poster Presentations - 4
Ze Chen	Quasi-Symmetric Angular Spin Hall Effect of a Circularly Polarized Beam Reflected from Air-Gold Interface	Poster Presentations - 1
Zhonghao Chen	High-Power High-Brightness Photonic Crystal Diode Laser Based on Ion Implantation	Poster Presentations - 1
Lirong Cheng	Fully Etched Grating Coupler Diplexer for Integrated WDM PON Transceivers	Poster Presentations - 2
Kazunari Chiba	Forming Multiple Aerial Images by Use of Infinity Mirror and Oblique Retro-Reflector	Poster Presentations - 4
Kyuhong Choi	Modal Decomposition of Measured Near-Field and Far-Field Beams with Partial Coherence Based on SPGD Algorithm	Poster Presentations - 1
Daniel Dahl	High-Dimensional Quantum Gates for Azimuthal Modes	Poster Presentations - 5

Min Ding	Experimental Demonstration of a 32 Gb/s Reconfigurable Logic Gate Using a Dual-Drive Mach-Zehnder Modulator	Poster Presentations - 2
Aiden Fontes	Multiphoton Luminescence from Silicon Nanoparticles	Poster Presentations - 5
Panagiotis Galanis	Laser-Based Photo-Polymerisation Method for the Fabrication of 3D Multilayer Paper-Based Devices	Poster Presentations - 3
Aruna Gandhi	Corrugated Gold Layered Integrated Planar Waveguide Surface Plasmon Polariton Based Microbiosensor	Poster Presentations - 2
Harsh K. Gandhi	Ultra-High Sensitivity Near Multiple Bound States in the Continuum in Microcavity Resonators	Poster Presentations - 4
Hiroki Hattori	Quantitative Evaluation of Photoaging Using Photoacoustic Microscopy	Poster Presentations - 3
Shin'ichiro Hayashi	Continuously Tunable NIR Pulsed Parametric Sources by an Is-OPG / OPA for Terahertz-wave Generation	Poster Presentations - 3
Siim Heinsalu	Novel SWGMS Structure for High-Sensitive Refractive Index Sensing Employing First and Second Bragg-Grating Modes	Poster Presentations - 2
Zachary Holmes	High Bandwidth Phase-Locking for Low-Noise Applications	Poster Presentations - 1
Heinrich Hora	CPA Pulses for Non-Thermal Ignition of Clean and Abundant Laser Boron Fusion for Electricity Generator	Poster Presentations - 1
Eric Howard	Detecting Gravitational Waves with Optically-Levitated Nanoparticles	Poster Presentations - 1
Eric Howard	Searching for Physics Beyond Standard Model Using Optically Cooled Nanoparticles	Poster Presentations - 3
Chi-Ti Hsieh	Nanometer Resolution of Tip-Enhanced Raman Spectroscopy in Tunneling Regime	Poster Presentations - 3
Xiao Hu	Coexistence of Dark and Anti-Dark Solitons in a Fiber Laser	Poster Presentations - 5
Zhuili Huang	A Low-cost OSNR Monitoring Method Using Frequency Spectra of Low-speed Sampling Signals	Poster Presentations - 2
Nan Huo	Direct Temporal Mode Determination for the Characterization of Temporally Multiplexed High Dimensional Quantum Entanglement	Poster Presentations - 5
Masataka Inuma	Quantum Control Beyond the Uncertainty Limit of Position and Momentum Using a Sagnac Interferometer	Poster Presentations - 5
Kosuke Inoue	Halving Thickness of Aerial Display Device by Use of Slit Array	Poster Presentations - 4
Alexander A. Iskandar	Enhancement of Magneto-Optic Kerr Effect (MOKE) by Backscattering Suppression	Poster Presentations - 4
Shota Itoyama	Single-Shot Ultrafast Burst Imaging using Integral Field Spectrograph with a Lenslet Array	Poster Presentations - 4
Hoonil Jeong	Skewed Microlens on Addressable VCSEL Arrays for Energy-efficient LiDAR Scanning	Poster Presentations - 3
Jianguo Jia	Lifetime-Multiplexed Luminescence in Situ Hybridisation for Bacteria Detection	Poster Presentations - 3
Jing Huo	Research and Application on The Key Techniques of Conformal Vibration Polishing on Optics	Poster Presentations - 1
Pauline John	Fiber-Optic Differential Absorption Low Coherence Interferometry Technique for Sensing Glucose Selectively	Poster Presentations - 3

Benjamin Johnston	Ultrafast Laser Inscription of Volume Phase Optics: Towards a Scalar Vortex Mask for Broadband Coronagraphy	Poster Presentations - 1
Delaram Katozzi	Uptake Study of Gold Nanoparticles into Cancer Cells Using High-Order Image Correlation Spectroscopy	Poster Presentations - 3
Haruki Kawaguchi	Optical Vortex Generates a Spin-Jet of an Ultrahigh Viscosity Au Suspension	Poster Presentations - 1
Young Jin Kim	Single-Layer Edge Detecting Metalens with Combining Lens and Spiral Phase Profiles	Poster Presentations - 5
Nam Kim	High-Quality 3D Display for Integral Imaging Microscope Using Deep Learning Depth Estimation Algorithm	Poster Presentations - 4
Igor Kinyaevskiy	Spectral Broadening of High-Intensity 1030-NM Sub-Picosecond Laser Pulses in BaWO4 Crystal	Poster Presentations - 5
Ondrej Kitzler	High Raman Gain Directions in Diamond	Poster Presentations - 1
Markus Knoerzer	Interrogation of Photonic Biosensors Using Dual Optical Frequency Combs	Poster Presentations - 3
Zachary Koumi	Quantum Radar	Poster Presentations - 5
Vunam Le	Analysis of Wavefront Aberration in a Single Collimating Lens Based Dual-Beam Exposure System	Poster Presentations - 4
Andrew Lee	Linewidth Narrowing and Power Enhancement in Polariton Lasers Through the use of Etalons	Poster Presentations - 3
Byungwoo Lee	Cross-Section Analysis for Irradiation Modes of U-Grooves Manufactured with the Laser-Induced Etching Technique	Poster Presentations - 1
Jinho Lee	Influence of the Saturable Absorber Recovery Time on Fiber Laser Mode-Locking	Poster Presentations - 1
Jinho Lee	Temperature Sensor Based on Mechanically Induced Long Period Fiber Gratings using a 3-D Printer	Poster Presentations - 3
Yun-Fei Li	Stretchable Perovskite Light-Emitting Devices	Poster Presentations - 5
Xue Li	Fiber Nonlinearity Compensation using the Extended Kalman Filter	Poster Presentations - 2
Zhe Li	Surface Scattering of Pyramid-Structured Silicon	Poster Presentations - 4
Mo Li	Narrow and Stable GaN/AlGaIn UV Light Source by Using Strain Relaxing Superlattices	Poster Presentations - 2
Tianyu Lin	1 μm Dispersive Wave Generation in Highly Nonlinear Fiber	Poster Presentations - 5
Xiao Liu	A Tunable-Order All-Optical Temporal Differentiator Based on Phase-Shifted Bragg Gratings	Poster Presentations - 5
Dongxu Lu	The Pre-Configured Kramers-Kronig Scheme	Poster Presentations - 2
Binbin Luo	Sensitivity-Enhanced Vibration Sensor Based on Thin Cladding Excessively Tilted Fiber Gratings	Poster Presentations - 3
Yanhua Luo	Defect Resistance and Self-Healing within Spun Photonic Crystal Fibres	Poster Presentations - 2
Aiping Luo	Generation of Vortex Soliton Molecule and Cylindrical Vector Soliton Molecule in a Fiber Laser	Poster Presentations - 1
Zhi-Chao Luo	Bound-State Pulses in a Mamyshev Oscillator	Poster Presentations - 5

Pranavi Macharla Madhushree Shastri Sonali Thigale	Towards Identifying Grass Seed Infestation in the Australian Sheep Using Terahertz Radiation	Poster Presentations - 3
Kengo Matsuyama	Experimental Investigation of a Bell's Inequality by Using Joint Measurements	Poster Presentations - 5
Ping Meng	Design of 3D Integrated Optical Hybrid for Weakly-Coupled SDM Coherent Detection	Poster Presentations - 2
Kirill Min'kov	Optimization of Laser Frequency Stabilization via Self-Injection Locking to WGM Microresonator	Poster Presentations - 1
Kazuhiko Misawa	Detection of Viral Infection and Subsequent Apoptosis in Cells by Raman Scattering Microspectroscopy	Poster Presentations - 3
Fumiya Morosawa	Femtosecond-Laser-Induced Graphitic Carbon from Transparent Cellulose Nanofiber Films	Poster Presentations - 1
Mojtaba Moshkani	Optical and Electronic Characterization of Diamond Surfaces Exposed to UV laser radiation	Poster Presentations - 1
David Moss Yang Qu	Integrated Waveguide and Micro-Ring Resonator Polarizers with 2D Layered Graphene Oxide Films	Poster Presentations - 4
David Moss Yang Qu	Enhanced FWM in SiN Nanowires Integrated with 2D Graphene Oxide Films	Poster Presentations - 4
Natalia Munera David Hagan	Pulsewidth Dependence of the Nonlinear Refractive Index of Air	Poster Presentations - 5
Rohan Nag	Micro Fabricated Compound LED System for Global Illumination Needs	Poster Presentations - 4
Seung-Woo Nam	Holographic Augmented Reality Near-Eye Display Using Pancharatnam-Berry Phase Lens	Poster Presentations - 4
Riddhi Nandi	Electrically Controlled Bistability in Microring Resonator for Nonlinear Photonic Applications	Poster Presentations - 2
Thach Nguyen	Coupled Ridge Resonator Filter Design using Microwave Engineering Filter Synthesis	Poster Presentations - 2
Seunghyun Oh	Design of Thick Polarization Beam Splitter Based on a Bridged Directional Coupler with 400 NM High Silicon Cores	Poster Presentations - 2
Alberto Pepe	Learning-based Symbol Classification in Stokes Space for 4-PolSK Visible Light Communication Signals	Poster Presentations - 2
Alexander Pritchard	Engineering Spin Domains in a Binary BEC	Poster Presentations - 5
Paulina Putko	The Influence Transcranial Magnetic Stimulation (TMS) of Central Nervous System on Response Time and Recognition of Visual Stimuli	Poster Presentations - 4
Shi Qiu	Liquid Crystal-Filled Dual-Core Photonic Crystal Fiber Single-Polarization Wavelength Splitter	Poster Presentations - 2
Hemalaxmi Rajavelu	The Origin, Formation Mechanism, and Emission Persistence Time of Atomic (C I) and Molecular (CN Violet System and C2 Swan system) Carbon Emissions from Coal Plasma Generated by Laser Ablation were Studied Using Time-Resolved LIBS.	Poster Presentations - 3
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Sarath Raman NairA	Quantum Magnetic Sensor Using Fibre-Cavity Diamond Nitrogen-Vacancy Centre Laser	Poster Presentations - 5
Ludovic Rapp	High-Pressure Silicon Phase Created by High Power Ultrashort Laser Pulse at the Intensity of 10^{19} W/cm²	Poster Presentations - 1

Peng Ren	Revisiting the Effect of Inert Shell on Luminescence Enhancement of Upconversion Nanoparticles	Poster Presentations - 4
Lyle Roberts	Phase Tracking of Sub-10 fW Heterodyne Optical Signals for Precision Laser Displacement Metrology in Space	Poster Presentations - 4
Antoine Runge	Quartic Self-Similar Propagation in an Optical Fiber	Poster Presentations - 5
Mark Sadgrove	Composite Carbon Nanotube - Nanofiber Device	Poster Presentations - 4
Yohei Sakasegawa	Slow Amplification of Externally Injected Strong THz Pulses in a THz Quantum Cascade Laser	Poster Presentations - 3
Soroush Shahnian	Nitrate Sensing Using Optical Properties of PEDOT at the Tip of the Fibre	Poster Presentations - 3
Adam Sharp	Asynchronous Cross-Correlation Using a Time Reference	Poster Presentations - 1
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Yuta Shioya	Characteristics of Ti:Sapphire Laser Pumped by 450-nm Blue Diode Laser at Cryogenic Temperatures	Poster Presentations - 1
Amemiya Shumpei	Development of Optical System for Measuring Velocity of Cerebrospinal Fluid in Shunt System	Poster Presentations - 3
Anamika Singh	Stokes Vector Based Polarization Controller for Silicon Photonic Integrated Circuits	Poster Presentations - 2
Karamdeep Singh	Digital Modal Decomposition Based on Stochastic Parallel Gradient Descent Algorithm and its Validation	Poster Presentations - 2
Lalit Singh	Optical Resistive Switch with High Extinction Ratio Using Plasmonic Amplification	Poster Presentations - 2
Mangaljit Singh	Harmonic Enhancement in High-Order Harmonic Generation from Laser-Ablated Plume	Poster Presentations - 5
Nonthanan Sitpathom	Dynamic Optical Strain Sensing	Poster Presentations - 3
Byoung-Uk Sohn	Mid-Infrared Nonlinear Optical Properties of Droplet-Free Chalcogenide GeSe₂-As₂Se₃-PbSe Glasses	Poster Presentations - 5
Ramesh Kumar Sonkar	Compact Polarization Beam Splitter Using Contra-Directional Gratings on SOI platform	Poster Presentations - 2
Qazi Tareq	Tunable 28-60 GHz Millimeter Wave Signal Generation Using L-Band Quantum-Dash Laser	Poster Presentations - 2
Kazunari Tokunaga	Measurement of Thermal Time Constant of Optical Fiber Using Linear Cross-Correlation of Optical Pulses	Poster Presentations - 2
Alessandro Tuniz	Characterization of Pulse Length-Dependent Nonlinearity of Gold in the Near-Infrared by Self-Phase Modulation	Poster Presentations - 5
Takeru Utsugi	Optimization of Cavity Parameters for High-Speed Quantum Computation Based on Cavity QED	Poster Presentations - 5
Faruk Uyar	The Investigation of Rayleigh Backscattered Signal Statistics in a ϕ-OTDR System Incorporating Optical Pre-Amplifier	Poster Presentations - 3
Madhav Vijayan	Photonic Quantum Error Correction of Qudits Using W-state Encoding	Poster Presentations - 5
Yingning Wang	Air-core Ring Fiber Supporting >1000 OAM Modes across O, E, S, C, and L Bands	Poster Presentations - 2

Zhen Wang	Non-destructive Detection of Chilling-Injured Kiwifruit by a Dual Laser System	Poster Presentations - 3
Cheng Wang	Spectral Linewidth of a Distributed Feedback Interband Cascade Laser	Poster Presentations - 2
Zefeng Wang	3 Watt 1.7 μm Fiber Gas Raman Laser in D₂-Filled HC-PCFs	Poster Presentations - 1
Zefeng Wang	Raman Suppression in LD Pumped 5 kW Fiber Amplifier Using CTFBGs	Poster Presentations - 1
Zefeng Wang	Novel Method for Suppression of Stimulated Brillouin Scattering in Optical Fibers	Poster Presentations - 5
Xueting Wang	Fabrication of Spherical Concave for Waveguide-to-Fiber Vertical Coupling Based on Gray-Tone Optical Lithography	Poster Presentations - 2
Shuen Wei	A Study in Distinguishing BAC-Si Activation from Thermal Darkening in Bi/Er Co-doped Fiber at High Temperature	Poster Presentations - 2
Feng Wen	Improving Regenerative Capability of Nonlinear-Optical Loop Mirror (NOLM)-Based all-Optical Regenerators by Adopting a Polarization-Maintaining Coupler	Poster Presentations - 2
Aimin Wu	Bulk WS₂ Photonic Crystal Array Towards a Visible Near-Perfect Absorber	Poster Presentations - 4
Jun-Fang Wu	Dynamic Light Storage in Cascaded Nanocavities	Poster Presentations - 4
Ruiqing Xie	Deterministic full-aperture polishing technology of high power laser components	Poster Presentations - 1
Liushun Xie	Simultaneous Temperature and Refractive Index Sensing Using C-Fibre Fabry-Perot Microcavity	Poster Presentations - 2
Kai Xu	Visible Light Enabled Janus Indium Oxysulfide Nanoflakes for Ultrasensitive Chemical Sensing	Poster Presentations - 4
Binbin Yan	Directional Bend Sensing Based on High Birefringence Dual-Core Photonic Crystal Fiber	Poster Presentations - 3
Jingxuan Yang Hu Zhang	Design of Orbital Angular Momentum Modes Coupler Based on Circular Photonic Crystal Fiber	Poster Presentations - 2
Kangwen Yang	Temperature Measurement of Water Vapor by Adaptive Dual Comb Spectroscopy	Poster Presentations - 4
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Wen Qi Zhang	Building a Benchmark System for Nonlinear Fourier Transform Algorithms	Poster Presentations - 5
Yongxia Zhang	Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Based on Surface Plasma Resonance Effect	Poster Presentations - 2
Lihua Zhang	Photodarkening Properties of Typical Ytterbium Doped Silica Fiber	Poster Presentations - 2
Ya Zhang	Stereoscopic Audio-Band Vibrometry with Source Triangulation and Interferometric Sensitivity	Poster Presentations - 3
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