APOS 2019

Tuesday, 19 November Poster Session

Poster Number	Poster Title	First Name	Last Name	Organisation	Theme
23	Intensity properties of Bessel Gaussian vortex beams propagation in atmospheric	Wuming	Wu		01. Astrophotonics
9	Precisely Control of Optical Detection Using Quantitative Injection by Microfluidic Chip	Hosup	Jung	Seoul National University	02. Biological and biomedical sensing
10	A Microfluidic Flow Cytometry Technique for Accurate and Rapid Detection of Bacteria	Ayomikun	Esan	University Of Auckland	02. Biological and biomedical sensing
37	A novel hemoglobin biosensor based on graphene oxide functionalized excessively tilted fiber grating	Zhijun	Yan		02. Biological and biomedical sensing
50	Rapid monitoring of bacterial viability using the optrode	Fang	Ou	The University Of Auckland	02. Biological and biomedical sensing
59	Dynamic light enhancement-based surface plasmon resonance sensor for biomarker detection	Zhe	Zhang	Beijing Jiaotong University	02. Biological and biomedical sensing
110	Carbohydrate-functionalized long-period fiber grating for label-free E. coli bacteria detection	Monika	Janik	Warsaw University Of Technology	02. Biological and biomedical sensing
114	Human breath analysis with MID IR lasers	Satoshi	Wada	Riken	02. Biological and biomedical sensing
116	A resolution-improved interferometric fiber-optic surface plasmon resonance sensor	Yi	Duo	Shenzhen University	02. Biological and biomedical sensing
120	Detection of bacterial cell death using absorbance spectra	Julia	Robertson	The University Of Auckland	02. Biological and biomedical sensing
123	Examining the optical response of bovine articular cartilage to impact using Polarisation-Sensitive Optical Coherence Tomography	Matthew	Goodwin		02. Biological and biomedical sensing
124	Real-time detecting the adsorption/desorption process of MoS2 nanoflower using surface plasmon resonance	Yu	Chen	Department of Optoelectronic Engin	02. Biological and biomedical sensing
134	Spectral domain in Quantum Optical Coherence Tomography	Sylwia	Kolenderska		02. Biological and biomedical sensing
139	Optical coherence tomography to predict meat quality in real time using machine learning techniques	Abi	Thampi	University Of Auckland	02. Biological and biomedical sensing
143	Eye disease onset indication using OCT	Mykola	Zlygostiev		02. Biological and biomedical sensing
151	A Robot and sensor platform to estimate beef meat quality with a variety of optical sensors.	Samuel	Hitchman	Agresearch	02. Biological and biomedical sensing
154	All optic-fiber coupled plasmon waveguide resonance sensor based on disulfide zirconium as the dielectric layer	Kun	Liu	Tianjin University	02. Biological and biomedical sensing
31	Single end compact microfiber probe for relative humidity measurement	Qizhen	Sun	School of Optical and Electronic Info	03. Chemical and gas sensing
32	Single end compact microfiber probe for relative humidity measurement	Qizhen	Sun	School of Optical and Electronic Info	03. Chemical and gas sensing
36	Fiber-tip Fabry-Pérot cavity with suspended Pd-decorated graphene for sensitive and fast hydrogen detection	Jun	Ma	Jinan University	03. Chemical and gas sensing
88	Analysis of illicit substances by terahertz spectroscopy	Eda	Arslan		03. Chemical and gas sensing
113	High Resolution Spectrum Measurement for High Temperature CO2	Wuming	Wu		03. Chemical and gas sensing
42	Study on modulation current to improve measurement accuracy in measurement using self-coupling signal	Norio	Tsuda		07. Novel concepts for photonic sensing
65	Generation of tunable mid-infrared optical parametric oscillation in MgF2 microresonators	Noel Lito	Sayson	The University of Auckland	07. Novel concepts for photonic sensing
77	Low cost 3D-printing of budget glassy ceramic/polymer composites for contech sensor host applications	John	Canning	UTS	07. Novel concepts for photonic sensing
93	Research for improving accuracy of terminal voltage type Self-coupling distance sensor	Tatsuya	Ohba		07. Novel concepts for photonic sensing
94	Examination of Frequency and Sound Pressure Determination of the Laser Microphone with Deep Learning	Ryota	Mori	Aichi Institute Of Technology	07. Novel concepts for photonic sensing
103	Anomalous dispersion management of single-input microbubble microresonator at visible wavelengths via layer coating	Guanjun	Wang		07. Novel concepts for photonic sensing
141	A high sensitive surface plasmon resonance sensor based on graphene and PMMA	Fan	Yang		07. Novel concepts for photonic sensing

					08. Sensing in the IoT/Sensing for Big Data
17	Contact Angle Mapping (CAM) Diagnostics	John	Canning	UTS	08. Sensing in the IoT/Sensing for Big Data
41	New Method for Eliminating Background Noise in Characteristic Spectral Imaging and Its Application	Xiaoli	Xie	Hunan University	06. Imaging and signal processing technologies for sensing
53	Design of Large Field of View Curved Optical System Based on ZEMAX	Yuanlin	Zhao	Xiangtan University	06. Imaging and signal processing technologies for sensing
61	Surface roughness measurement using speckle patterns produced by optical vortex	Can	Cui	Beijing Jiaotong University	06. Imaging and signal processing technologies for sensing
6	Analysis for the Effect of Polarization of incident Light on Measurement Accuracy of RPOVS	Qiao	Tan	Minjiang University	06. Imaging and signal processing technologies for sensing
30	Small Target Detection and Window Adaptive Tracking Based on Continuous Frame Images in Visible Light Background	Zheng	Wang	Hunan University	06. Imaging and signal processing technologies for sensing