APOS 2019 POSTER SESSION 1

Tuesday, 19 November

THEME	POSTER #	POSTER AND PRESENTER
01. Astrophotonics	23	INTENSITY PROPERTIES OF BESSEL GAUSSIAN VORTEX BEAMS PROPAGATION IN ATMOSPHERIC TURBULENCE Wuming Wu -
02. Biological and biomedical sensing	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 CELLS EXTRACTED FROM FOOD SWABS Ayomikun Esan - The 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	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	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 - The 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
03. Chemical and gas sensing	31	SINGLE END COMPACT MICROFIBER PROBE FOR RELATIVE HUMIDITY MEASUREMENT Qizhen Sun - Huazhong University of Science and Technology
03. Chemical and gas sensing	32	SINGLE END COMPACT MICROFIBER PROBE FOR RELATIVE HUMIDITY MEASUREMENT Qizhen Sun - Huazhong University of Science and Technology
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 -
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	61	SURFACE ROUGHNESS MEASUREMENT USING SPECKLE PATTERNS PRODUCED BY OPTICAL VORTEX Can Cui - Beijing Jiaotong University
07. Novel concepts for photonic 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
08. Sensing in the IoT/Sensing for Big Data	17	CONTACT ANGLE MAPPING (CAM) DIAGNOSTICS John Canning - UTS