

APOS 2019

Thursday, 21 November Poster Session

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Poster Number	Poster Title	First Name	Last Name	Organisation	Theme
14	Detection of pipeline defects using Brillouin Optical Time Domain Reflectometer (BOTDR)	Xingwe	Wang	University Of Massachusetts Lowell	05. Geophysics, civil engineering and distributed sensing
40	Interference Fading Noise Suppress for Phase-Sensitive OTDR by Using Double Wavelengths Probes	Qizhen	Sun	School of Optical and Electronic Information, Huazh	05. Geophysics, civil engineering and distributed sensing
43	Existing communication cable based urban underground space perception with distributed acoustic sensing	Zhewen	Ding	Nanjing University, China	05. Geophysics, civil engineering and distributed sensing
47	Laser ultrasonics for measuring rock elastic properties under in situ conditions	Jonathan	Simpson	University of Auckland	05. Geophysics, civil engineering and distributed sensing
58	Expanded circumferential-strain-measurement method for general ring-shaped structures	Shota	Kitamura	Mie University	05. Geophysics, civil engineering and distributed sensing
60	Proposal of pulse compression BOTDR	Pengbai	Xu		05. Geophysics, civil engineering and distributed sensing
75	Fiber-optic distributed acoustic sensing with large effective area fiber (LEAF-DAS)	Bing	Han		05. Geophysics, civil engineering and distributed sensing
81	Phase-coded Brillouin optical correlation domain analysis with 2-mm resolution based on intensity modulation	Dexin	Ba	Harbin Institute of Technology	05. Geophysics, civil engineering and distributed sensing
82	Characterizing anisotropy and elasticity in New Zealand's sedimentary rocks and replicating in situ geologic conditions using laser-based ultrasonics	Steve	Brennan	University Of Auckland	05. Geophysics, civil engineering and distributed sensing
3	Broadband all-light-control with WS2 coated microfibers	Heyuan	Guan		04. Fibre, grating and component technologies for sensing
4	Optical Sensors and its Medical Application – A Case study of Lagos University Teaching Hospital , Idi, Araba,Lagos, Nigeria.West Africa.	Samuel Adimula	Olugbenga	West African Postgraduate Medical College	04. Fibre, grating and component technologies for sensing
5	Highly sensitive humidity sensor achieved by microfiber coated with three-dimensional graphene network	Yongchun	Zhong	Jinan University, China	04. Fibre, grating and component technologies for sensing
11	A high temperature sensor based on four in-fiber reflection mirrors	Dongning	Wang	China Jiliang University	04. Fibre, grating and component technologies for sensing
12	Displacement sensing by phase measurement of dual-frequency composite acoustic signal with optical fiber sensors	Xin	Fu	Huazhong University Of Science And Technology	04. Fibre, grating and component technologies for sensing
19	Elucidating the Role of Pressure in Structured Optical Fibre Drawing	John	Canning	UTS	04. Fibre, grating and component technologies for sensing
20	Investigation on fiber optic interferometer atomic spin precession detection scheme	Yuanhong	Yang	School Of Instrument Science And Opto-electronics	04. Fibre, grating and component technologies for sensing
22	A dual Fabry-Perot sensor based phase demodulation system	Wanjin	Zhang	Huazhong University of Science of Technology	04. Fibre, grating and component technologies for sensing
24	Fast Fourier Analysis Demodulation Method for Multiplexed Fabry-Pérot Low Frequency Acoustic Sensing	Zhiyuan	Qu	School Of Optical And Electronic Information, Huazh	04. Fibre, grating and component technologies for sensing
27	Research on Faraday Error of Axial Magnetic Field Based on Photonic Crystal Fiber Optic Gyro	Zicheng	Wang	Harbin Institute Of Technology	04. Fibre, grating and component technologies for sensing
28	Compact Fiber SERS Probe Sensor Based on the MMF-NCF Structure with Self-Assembled Gold Nanoparticles	Li	Xia		04. Fibre, grating and component technologies for sensing
29	Long-range and fast BOTDA based on the optical chirp chain probe wave and Brillouin loss scheme	Benzhang	Wang		04. Fibre, grating and component technologies for sensing
33	interferometers consisting of low reflective FBGs written in polarization maintaining fiber	Quoc Hung	Bui	National Defense Academy Of Japan	04. Fibre, grating and component technologies for sensing

35	High performance fiber optic sensor for liquid chloroform monitoring based on a coreless D-shaped single mode fiber	Huadan	Zheng	Jinan	04. Fibre, grating and component technologies for sensing
44	FFT bandpass filtering method based sensitivity enhancement for interferometric fiber sensor	Wenjun	Ni		04. Fibre, grating and component technologies for sensing
45	Fiber-laser-based linear-scanning photoacoustic tomography with high in-plane resolution and enhanced sectioning capability	XUE	BAI	Jinan University	04. Fibre, grating and component technologies for sensing
46	Characteristics of tunable notch filter based on higher order reflection band of cholesteric liquid crystal using wavelength-swept laser	Min Yong	Jeon	Chungnam National University	04. Fibre, grating and component technologies for sensing
51	Temperature characteristics of EDF ring laser using cascaded chirp long period fiber grating	Koken	Fukushima	Department of Communications Engineering, Natio	04. Fibre, grating and component technologies for sensing
52	High sensitivity open-cavity Mach-Zehnder interferometer based on tapered no-core fibre for glucose sensing	Ailing	Zhang	Tianjin University of Technology	04. Fibre, grating and component technologies for sensing
56	Direct laser written waveguides in 3D printing monomer films	Nathan	Loheac	Interdisciplinary Photonics Laboratories	04. Fibre, grating and component technologies for sensing
57	Low-noise quasi-distributed intensity-modulated optical fiber sensing system based on pulse reference compensation technique	Qiang	Bian		04. Fibre, grating and component technologies for sensing
62	Highly sensitive ultralong period microfiber grating for low refractive index range	haifeng	liu	nankai university	04. Fibre, grating and component technologies for sensing
63	Fiber-optic Fabry-Perot sensor using MT optical connector	Mitsuru	Kihara	Osaka Electro-communication University	04. Fibre, grating and component technologies for sensing
66	An optical fiber pressure sensor with ultrathin epoxy film and high sensitivity characteristics based on blowing bubble method	Jiabin	Hu	Hainan University	04. Fibre, grating and component technologies for sensing