Tuesday 5 November 2019		
TIME	**Activity**	**Location**
3:00pm - 5:00pm	**Registration**	**Stono Foyer**

Wednesday 6 November 2019			
7:00AM	**Registration**	**Stono Foyer**	
TIME	**Session / Paper Title**	**Session Chair / Speaker**	**Organization**
8:00PM	**Opening Remarks**	John Ballato	
	Plenary	**John Ballato**	
8:05AM	Optical fiber and glasses (101)	Nicholas Borrelli	Corning Incorporated
	Fiber Lasers I	***Chair: Michael Messerly***	
8:55AM	Next Generation of DC fibers enabling high performance and reliability of industrial fiber lasers beyond 1.5kW levels	Clémence Jollivet	Coherent | Nufern
9:20AM	Fiber lasers and amplifiers for space lidar applications	Anthony Yu	NASA Goddard Space Flight Ctr.
9:45AM	2 MW peak power ultrashort pulse amplification using tapered powder-sintered all-solid fibers: Fiber designs, technology, and results	Martin Leich	Leibniz Institute of Photonic Technology
10:00AM	Fabrication of vapor phase large core Yb doped preform with precise index control for the development of VLMA active fibers	Thierry Taunay	Photonics Bretagne
10:15AM	Highly Tm3+ doped germanate glass and associated double clad fiber for 2 um lasers and amplifiers	Fedia Ben Slimen	University Of Southampton
	COFFEE BREAK AND EXHIBIT *(Ashley and Copper Rooms)*		
	IR Fibers and Sources I	***Chair: Francois Chenard***	
11:00AM	Soft glass microstructured optical fibers and their applications	Yasutake Ohishi	Toyota Technological Institute
11:25AM	Progress in Mid-IR Supercontinuum sources and their applications: an overview	Peter Moselund	NKT Photonics A/S
11:50AM	Optical devices based on chalcogenide fibers	Martin Rochette	McGill Univ
12:15PM	Design of single-mode nanohole suspended-core fibers for all-normal dispersion supercontinuum generation	Matthias Jäger	Leibniz Institute of Photonic Technology
	LUNCH BREAK *(Wraggoborough and Halston Rooms)*		
	Fiber sensors I	***Chair: Paul Westbrook***	
2:00PM	Novel optical fiber for cochlear implants	Hwa-Yaw Tam	The Hong Kong Polytechnic University
2:25PM	Enhanced fibers for distributed sensing	Paul Westbrook	OFS Fitel LLC
2:50PM	500°C-rated optical fibers for high temperature applications	William Jacobsen	AFL Specialty Fibers
3:05PM	Carbon-coated optical fiber performance in hydrogen	William Jacobsen	AFL Specialty Fibers
	COFFEE BREAK AND EXHIBIT *(Ashley and Copper Rooms)*		
	Fiber Devices	***Chair: Kyriacos Kalli***	
3:50PM	Photonic Lanterns: Beyond Telecoms	Stephanos Yerolatsitis	Univ of Bath
4:15PM	History and Advancements of FBG manufacturing in specialty optical fibers and their use in sensing	Eric Lindner	FBGS Technologies GmbH
4:40PM	Wedge-shaped fiber lenses with CO2 Laser glass ablation	Gongwen Zhu	AFL
4:55PM	Femtosecond laser inscribed gratings for monolithic MIR fiber lasers	Antreas Theodosiou	Lumoscribe and Cyprus Univ of Technology
5:10PM	Fibre cladding filters through femtosecond laser inscription	Kyriacos Kalli	Cyprus Univ of Technology
	SESSION END		
6:00PM	**Poster Session and Opening Reception** *(Wraggoborough and Halston Rooms)*		

Wednesday 6 November 2019			
Poster Session (6:00 pm)			
1	Data acquisition from a bundle of 1,000 optical fibers	David Ward	SemQuest Inc.
2	Fabrication of a tellurite hollow core optical fiber for mid-infrared transmission	Tuan Hoang Tong	Toyota Technological Institute
3	3D printed optical fibre preforms from silica contained resin	John Canning	University of Technology, Sydney
4	Wavelength dependence of transverse Anderson localization in disordered glass-air fiber	Axel Schulzgen	CREOL, UCF
5	Noise-like pulse pumped all-fiber supercontinuum laser source	Xing Luo	Toyota Technological Institute
6	Designing silicon fiber tapers for efficient mid-IR supercontinuum	Joseph Campling	University of Southampton
7	Heat mitigation via anti-Stokes fluorescence cooling in Core/Cladding Yb-doped fiber amplifiers	Esmaeil Mobini Souchelmaei	Univ of New Mexico
8	Measuring the anti-Stokes cooling parameters of a Yb-doped ZBLAN fiber for radiation balancing	Mostafa Peysokhan	Univ of New Mexico
9	Investigation of Low-Bending-Loss Single-Mode Anti-resonant Hollow-core THz Fiber	Wei Shi	Tianjin Univ
10	Low-loss terahertz pulse transmission through commercially available porous tubes with PTFE	Yong Soo Lee	Yonsei University
11	Low quantum defect fiber lasers via Yb-doped fluorosilicate optical fiber	Nanjie Yu	University of Illinois Urbana Champaign
12	Long-term behaviour of water vapour absorption in hollow core fibres	Shuichiro Rikimi	University of Southampton
13	All-optically-driven and all-optical-fiber modulator via luminescence-quenched Yb-doped fiber	Nanjie Yu	University of Illinois Urbana Champaign
14	Tunable wavelength Q-switched All-Fiber Laser Based on Two-Dimensional Perovskite Solution	Byungjoo Kim	Yonsei university
15	O-band bismuth-doped fiber amplifier and its temperature dependent performance	Yu Wang	University of Southampton
16	Direct extrusion of hollow-core THz fiber using a 3D printer	Wanvisa Talataisong	University of Southampton
17	Non-destructive tomography for the characterization of extruded optical fiber triplet 3D shape sensors	Pierre Lorre	Ecole Polytechnique de Montréal
18	Spectroscopic properties of highly erbium doped fluorosilicate fiber	Guanyi Pan	University of Illinois Urbana-Champaign
19	Applications of novel metal-derived optical fibers	Matthew Tuggle	Clemson University

Thursday 7 November 2019			
TIME	**Session / Paper Title**	**Session Chair / Speaker**	**Organization**
Plenary		**John Ballato**	
8:00AM	Defense applications of high power fiber lasers	Mark Neice	Directed Energy Professional Society
Fiber Lasers II		***Chair: Cesar Juregui-Misas***	
8:50AM	Reach extension of O-band transmission using Bismuth doped fiber amplifier (BDFA)	Vitaly Mikhailov	OFS Fitel LLC
9:15AM	Recent efforts in power scaling of holmium doped fibre sources	Nikita Simakov	Defence Science and Technology Group
COFFEE BREAK AND EXHIBIT *(Ashley and Copper Rooms)*			
Hollow-core Fibers		***Chair: Yasutake Ohishi***	
10:10AM	Loss reduction in hollow-core optical fiber	Ying Ying Wang	Beijing Univ of Technology
10:35AM	Negative curvature fibers for gas-filled fiber lasers	Jonathan Hu	University of Mary Hardin-Baylor
10:50AM	Tubular Anti-resonant Hollow Core Fiber for Visible Raman Spectroscopy	Ian Davidson	University of Southampton
11:05AM	Extruded chalcogenide antiresonant hollow core fiber for mid-IR laser delivery	Juliano Grigoleto Hayashi	University of Southampton
11:20AM	Non-invasive characterization of hollow-core single-ring fibers using whispering gallery mode spectroscopy	Michael Frosz	Max Planck Institute for the Science of Light
LUNCH BREAK *(Wraggoborough and Halston Rooms)*			
Fiber		***Chair: Heike Ebendorff-Heidepriem***	
1:05PM	Microgravity Fiber Processing for Future Optical Networks	Dmitry Starodubov	FOMS Inc.
1:30PM	Cladding shaping of optical fiber preforms via CO2 laser machining	Peter Shardlow	University of Southampton
1:55PM	Recent progress in graded-index plastic optical fiber	Yasuhiro Koike	Keio Univ.
2:20PM	3D printing of chalcogenide preform a novel process for the elaboration of chalcogenide microstructured optical fibers	Johann Troles	Univ Rennes, CNRS ISCR
2:35PM	The effect of pressure on structured optical fibre drawing	Ghazal Fallah Tafti	University of New South Wales
2:50PM	Inverse modelling of microstructured optical fibre drawing	Yvonne Stokes	The University of Adelaide
COFFEE BREAK AND EXHIBIT *(Ashley and Copper Rooms)*			
Fiber Fabrication II		***Chair: Dmitry Starodubov***	
3:35PM	Israeli activities in specialty fibers and fiber lasers	Amiel Ishaaya	Ben-Gurion University of the Negev
4:00PM	3D Lithography for doped and structured optical fibres	Gang-Ding Peng	Univ of New South Wales
4:25PM	Single crystal fiber growth by laser heated pedestal growth technique	Subhabrata Bere	National Energy Technology Lab
4:50PM	Titania clad fiber fatigue performance	Kevin Bennett	Corning Incorporated
5:15PM	Radiation-resistant nanoparticle erbium doped fibers for high power space laser communications	Joseph E. Friebele	KeyW Corp
5:30PM	Single crystal semiconductor-core optical fiber	Seunghan Song	Norwegian Univ of Science and Technology
5:45PM	**SESSION END**		
6:30PM	**Conference Banquet** *(SC Aquarium)*		

Friday 8 November 2019			
TIME	**Session / Paper Title**	**Session Chair / Speaker**	**Organization**
Plenary		**John Ballato**	
8:00AM	Bright Perspectives for Fluoride Glass Mid-Infrared Fiber Lasers	Réal Vallée	Center for Optics Photonics and Lasers
IR Fibers and Sources II		***Chair: Peter Moselund***	
8:50AM	Chalcogenide fiber for long-wave infrared supercontinuum source	Francois Chenard	IRflex Corporation
9:15AM	Broadband mid-infrared supercontinuum generation in chalcogenide tapered fiber with all-normal dispersion	Shixun Dai	Ningbo Univ
9:40AM	Mid-infrared supercontinuum generation in chalcogenide or heavy oxide fibers for sensing applications	Arnaud Lemière	Université de Bourgogne Franche-Comté
COFFEE BREAK AND EXHIBIT *(Ashley and Copper Rooms)*			
Fiber Lasers III		***Chair: Clemence Jollivet***	
10:25AM	Specialty optical fibers for generation of light with extreme properties	Alexander Heidt	University of Bern
10:50AM	Random Lasing from Optical Fibers with Phase-Separated Glass Cores	Srinath Jagannathan	Univ of Illinois
11:05AM	Challenges in preform material preparation for laser-active fibers	Katrin Wondraczek	Leibniz-Institute of Photonic Technology
11:20AM	Multicore fiber amplifier based on the Talbot effect	Cesar Jauregui-Misas	Friedrich-Schiller-Univ Jena
11:35AM	Cleaning protocols for fabrication of fibers for kilowatt-class lasers	Michael Messerly	Lawrence Livermore National Lab
11:50AM	Improved wavelength selective filtering design in a Nd doped silica fiber for E-band amplification	Leily Kiani	Lawrence Livermore National Lab
LUNCH BREAK *(Wraggoborough and Halston Rooms)*			
Fiber sensors II		***Chair: Hwayaw Tam***	
1:35PM	Optical fibers for downhole oil and gas applications	Paul Wysocki	Baker Hughes a GE Co
2:00PM	Making optical fibers sensitive and selective to the environment via functionalization and nanostructuring	Heike Ebendorff-Heidepriem	The Univ. of Adelaide
2:25PM	Femtosecond laser inscribed bridging cladding waveguides combining single- and multi-core optical fibres for shape sensing	Kyriacos Kalli	Cyprus Univ of Technology
2:40PM	Polymer end-capped fiber sensors for biomedical applications	Juan Hernández-Cordero	Univ. Nacional Autónoma de México
2:55PM	**Concluding remarks**	**John Ballato**	
Conference End			