Biennial since 1998
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Special Session on
Optical Fiber Sensors

Name and affiliation of organizers:

Dr. Qiang Wu	Prof. Gerald Farrell	Prof. Liyang Shao	Prof. Shengpeng Wan	Prof. Jun Zhou
Northumbria University Qiang.wu@northumbria.ac.uk	Dublin Institute of Technology Gerald.farrell@dit.ie	Southern University of Science & Technology lyshao@home.swjtu.edu.cn	Nanchang Hangkong university spwan@nchu.edu.cn	Ningbo University zhoujun672155@163.com
				
Dr. Qiang Wu is an Associate Professor at Northumbria University, Newcastle Upon Tyne, UK. https://www.northumbria.ac.uk/about-us/our-staff/w/qiang-wu/	Prof. Farrell is the Dean of the College of Engineering and Built Environment in DIT. He is the founder and Director of the DIT Photonics Research Centre (PRC). http://www.electronics.dit.ie/staff/gfarrell/	Dr. Liyang Shao, is a professor in Department of Electrical and Electronic Engineering in Southern University of Science and Technology (SUST), China. http://userweb.swjtu.edu.cn/Userweb/LYSHAO/english.htm	Dr. Shengpeng Wang is a Professor of Nanchang Hangkong university. http://www.nchu.edu.cn/english/index.html	He is a professor, Dept. of Physics, Ningbo University, China. http://www.nbu.edu.cn/

Scope of the session

The special session on optical fiber sensors invites original unpublished papers demonstrating recent advances and developments in novel concepts, structures, theories, materials and applications for fiber optic sensors. The main objective of this special session is to provide a platform for international experts to discuss novel fundamental, technological and application developments in fiber optic sensors. We encourage submission of papers addressing current challenges, novel structures and techniques, and applications of optical fiber sensors.

Prospective authors are invited to submit original and unpublished work on the following research topics related to this Special Session:

- Physical, mechanical, acoustic and electro-magnetic sensors
- Chemical, gas, biological, environmental and medical sensors
- Micro structure and nanophotonic sensors
- Gyroscopic, interferometric and polarimetric sensors
- Multiplexing and distributed sensing
- Sensors for smart composite materials
- Sensor interrogation techniques and sensor systems
- Surface plasmon resonance sensors
- Sensor networks and field tests
- Novel concepts for fiber sensors