This schedule shows where you will find papers and posters from University of Southampton and Sheffield researchers, featured at 2018 SPIE Photonics West conference (Moscone Centre, San Francisco): *Authors from these institutions are shown in italics.

Saturday January 27, 2018

BIOS - Colloidal Nanoparticles for Biomedical Applications XIII (10507)

Session 3: Nano-Bio Complexes and Assemblies (Rm 2006 West Level 2):

Monday January 29, 2018

LASE - Fiber Lasers XV: Technology and Systems (10512)

Session 1: Mode Instabilities in High Power Fiber Lasers I (Rm 151 South Mezzanine):
09:10 Power scaling limits in high power fiber amplifiers due to transverse mode instability, thermal lensing, and fiber mechanical #10512-4. Zervas

OPTO - Welcome and Opening Remarks: Prof. Graham Reed (Rm 3009 West Level 3)

OPTO - Integrated Optics: Devices, Materials, and Technologies XXII (10535)

Session 1: Integrated Optical Sensors (Rm 314 South Level 3) (Chair: Mashanovich):

OPTO - Smart Photonic and Optoelectronic Integrated Circuits XX (10536)

Session 3: Metamaterials and Metasurfaces II (Rm 159 South Mezzanine):
16:10 Optical superoscillation tech. with metasurfaces: subdiffraction focusing & label-free imaging (Keynote Presentation), #10536-11. Zheludev, Rogers

BIOS - Colloidal Nanoparticles for Biomedical Applications XIII (10507)

Session 9: Molecular Detection with Nanoparticles (Rm 2006 West Level 2):
09:10 Interactions of DNA coated upconversion nanoparticles with 2D materials (Invited) #10507-29. Guist, Lucio, Muskens, Kanaras

Tuesday January 30, 2018

LASE - Laser-based Micro- and Nanoprocessing XII (10520)

Session 9: 3D Glass Modification (Rm 156 South Mezzanine):
08:30 Femtosecond laser inscribed 3D optical memories (Invited Paper) #10522-37. Kazansky

LASE - Vertical External Cavity Surface Emitting Lasers (VECSELs) VIII (10515)

Session 6: Single Frequency/Intracavity Conversion (Rm 312 South Level 3)
08:15 New developments in THz-time domain spectroscopy involving ML-VECSELs (Invited), #10515-21. Apostolopoulos, Tropper et al.

Session 7: Mode-Locked II (Rm 312 South Level 3)
11:45 Tantalum pentoxide waveguides and microresonators for VECSEL based frequency combs, #10515-29. Sverre, Apostolopoulos, Woods et al.

LASE - Nonlinear Frequency Generation and Conversion: Materials and Devices XVII (10516)

Session 8: New Nonlinear Materials (Rm 160 South Mezzanine)
17:40 Zinc indiffused PPLN ridge waveguides, #10516-32. Carpenter, Berry, Field, Gawith

LASE - 18:00-20:00 Poster session (Moscone West Level 2 & 3):
#10516-46 Domain engineering in PPLN waveguides for tailored QPM spectral response. Berry, Carpenter, Field, Smith, Gawith
#10516-49 Design and manufacture of single mode PPLN diced waveguides for quantum applications. Berry, Carpenter, Field, Gawith
#10512-105 Experimental investigation of the onset of modulation instability as a precursor for the stimulated Brillouin scattering in Yb-doped fiber amplifiers. Panbiharwala Jr., Ghosh, Nilsson, Venkitesh, Srinivasan

OPTO - Photonic and Phononic Properties of Engineered Nanostructures VIII (10541)

Session 4: Phase Change Materials for Optoelectronics I (Rm 2004 West Level 2):
08:00 Optical switching in nanostructured phase-change materials (Invited Paper), #10541-14. Gholipour, Piccinotti, et al.

OPTO - Integrated Optics: Devices, Materials, and Technologies XXII (10535)

Session 6: Novel Waveguide Technologies (Rm 312 South Level 3):

If you are going to Photonics West 2018 and would like to book a meeting with any of our researchers or Dr John Lincoln, Industrial Liaison Manager please get in touch: contactus@photonicshubuk.org