



Contribution ID: 306

Type: **Talk (preferred)**

## **Characterisation of Erbium-Doped DFB Lasers Pumped Resonantly at 1480 – 1540 nm**

*Monday, 12 December 2022 16:30 (15 minutes)*

Energising and interrogating distributed feedback fibre laser hydrophones in remote deployment scenarios requires management of the propagation loss, optical nonlinearity and judicious selection of the pump wavelength. We characterise the system for a range of pump wavelengths spanning from 1480-1540nm.

**Primary author:** SIMAKOV, Nikita (DSTG)

**Presenter:** SIMAKOV, Nikita (DSTG)

**Session Classification:** 7th International Workshop on Speciality Optical Fibres

**Track Classification:** WSOF: WSOF: Fibre lasers