24th Australian Institute of Physics Congress



Contribution ID: 764

Type: Talk (preferred)

Optical fibers with NV nanodiamonds end-face coating for magnetic field sensing and imaging

Tuesday 13 December 2022 17:15 (15 minutes)

We propose a novel approach for remote sensing and mapping of magnetic fields with high spatial resolution using NV nanodiamond layer deposited on an end-surface of an optical fiber or an imaging fiber bundle.

Primary author: WOJCIECHOWSKI, Adam (Jagiellonian University)
Presenter: WOJCIECHOWSKI, Adam (Jagiellonian University)
Session Classification: 7th International Workshop on Speciality Optical Fibres

Track Classification: WSOF: WSOF: Fibre sensors