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## **New Approaches to Hybrid Fibers with Novel Functionalities for Sensing and Nonlinear Photonics Applications**

*Thursday 15 December 2022 16:00 (30 minutes)*

This talk presents recent progress in hybrid fibers with integrated functional materials such as diamond particles, 2D materials, high-index thin films or silk to create new intrinsic fiber properties for sensing and nonlinear photonics applications.

Short bio:

Heike Ebendorff-Heidepriem received the Ph.D. degree from the University of Jena, Germany, in 1994. Since 2005, she has been with the University of Adelaide, Australia. She currently leads the Fibres and Photonics Materials Research Group. She is the Deputy Director of the Institute for Photonics and Advanced Sensing and also the Director of the Optofab Adelaide Hub of the Australian National Fabrication Facility. Her research focuses on the development of novel optical glass materials and fibre structures.

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