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Mid-Infrared Polarization-Maintaining Photonic Crystal Fiber

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A solid-core endlessly single mode mid-infrared polarization-maintaining photonic crystal fiber (PM-PCF) made of chalcogenide glass with an asymmetric pattern of longitudinal holes having different periods and diameters is presented. Simulation and experimental results are given.

Primary author: CHENARD, FRANCOIS

Co-authors: Dr SCHARTNER, Erik (Institute for Photonics and Advanced Sensing (IPAS) & School of Physical Sciences, The University of Adelaide, Adelaide 5005, SA, Australia); ALVAREZ, Oseas (IRflex Corporation); Dr RADIONOVA, Anna (Institute for Photonics and Advanced Sensing (IPAS) & School of Physical Sciences, The University of Adelaide, Adelaide 5005, SA, Australia); Prof. EBENDORFF-HEIDEPRIEM, Heike (Institute for Photonics and Advanced Sensing (IPAS) & School of Physical Sciences, The University of Adelaide, Adelaide 5005, SA, Australia)

Presenter: CHENARD, FRANCOIS

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