

Institute of Solid State Physics, University of Latvia
8 Kengaraga Street, Riga, LV-1063
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Letter of support

Lightguide International is a dynamic and competitive European-based company engaged in the development, manufacture, and supply of optical fibers, fiber bundles, cables, and laser delivery systems for cutting-edge scientific, industrial, and medical applications worldwide. For more than 20 years, we have been offering our clients an individual approach, seeking solutions that best meet their needs and expectations. One of the company's core pillars is our Research and Development department, which frequently collaborates directly with clients to create innovative and previously unseen solutions.

Some challenges we address in cooperation with our long-term partner, the Institute of Solid State Physics, University of Latvia. Together, we have successfully implemented the ERDF project "*Novel materials for development of all-optical temperature sensor (OPTSEN)*" (2020–2023) and continue active work on the project "*Advanced materials and methods for distributed fiber-based all-optical temperature sensor*" (2025–2028). We recognize that scientific research plays a vital role in the development of both science and manufacturing.

We are aware of the project LUMITHERM2.0: High-Performance Luminescence Thermometry for Research and Innovation Excellence, submitted for funding to the European Commission, and we would be pleased to participate in the Industrial Advisory Board of the project should it be selected for funding.

Artūrs Pfafrods
Head of research and development department

