Latvian Silicon Photonics Technology 10G

How does integrated photonics enable next-generation computing and communication systems? Participants explore the role of photonics in improving performance and energy efficiency across ...

Discover Latvia"s pioneering research in smart materials and photonics, leading innovations in advanced materials and light-based technologies.

New methods, technologies and product prototypes with high commercialization potential in the field of photonics, microfluidics, smart materials, and IoT/Robotics will be created as a result of this Project ...

Our researchers" knowledge and discoveries will be the basis for the development of commercially viable and globally sought-after technologies in photonics, smart materials, ...

Customized solutions in fibre optic technology. From individual fibre to ready-to-use cable assemblies. Precision-made solutions in-house, from preform manufacturing to finished cables and bundles.

Thus, by engaging in the large supply chain market and identifying clear priority industries, such as aerospace or biotechnology, there is an opportunity to implement coherent and targeted action to ...

One of the most significant turning points is a study on the development of a Latvian semiconductor strategy for the next 10 years.

2020 - 2022, Latvian Council of Science Fundamental and Applied research project No. Lzp-2019/1-0280 "Development of novel methods for coherent control of atomic energy levels beyond the limit of ...

Project goal and tasks Latvia"s outstanding research institutes and universities are building a co-creative research ecosystem to commercialise scientific results in photonics, smart materials, microfluidics, ...

Latvian deep tech company AP4PIC is creating polymer-integrated photonic microchips, including designing and developing microchip components. These systems use organic materials ...

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