

Ryszard Piramidowicz

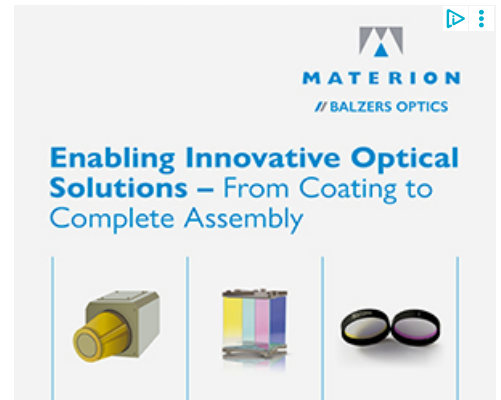


Warsaw-based Ryszard Piramidowicz leads the IPCEI HyperPIC project, which has two principal goals. First, developing a cutting-edge platform for mid-infrared photonic integration and, second, building a fully vertical, European supply chain in this vital field.

Backed by more than €100m in EU funding and combining quantum and interband cascade lasers, antimonide-based photodetectors, and germanium-on-silicon waveguides within a heterogeneously integrated and scalable platform, it is one of the most ambitious photonics efforts in Europe today.

For more than 15 years, Dr Piramidowicz been actively shaping the Polish PIC ecosystem – leading the journey from early-stage design in a fabless model and device-level experimentation, through to first fabrication steps and, ultimately, to the creation of an entirely new technological platform dedicated to mid-infrared PICs.

The HyperPIC project is developing highly compact, scalable, and cost-effective chips that monolithically integrate light sources, waveguides, and detectors operating in the mid-IR spectral range. The unique focus on mid-infrared window positions HyperPIC as a potential game-



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- Organisation: VIGO Photonics; Warsaw University of Technology
- Role: PIC Program Director, VIGO Photonics; Head of the Optoelectronics Division at the Institute of Microelectronics and Optoelectronics
- Based in: Warsaw, Poland
- Education: PhD, University of Warsaw

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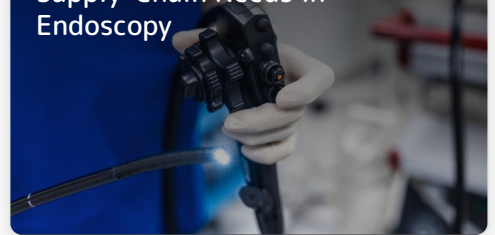


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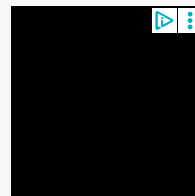
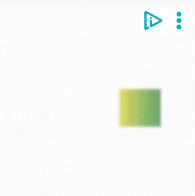
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