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Title:Lasers are sparking Poland's photonics future

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Abstract:Optoklaster, a photonics cluster with headquarters at INOS, is one company in Poland that is aimed towards photonics and photonic technology development. The engineering and scientific staff affiliated with the cluster have expertise in optics, solid-state physics, semiconductor technology, infrared technology, optical and laser metrology, security systems, and electronics. The collaboration between research institutes and industrial companies is efficient because the scientific staff at the research institutes and entrepreneurs use the same language. The Polish Free Electron Laser is a fourth-generation light source planned for future photonics research. Funding efforts are under way, and the proposed site for the facility is the Andrzej Soltan Institute for Nuclear Studies in Swierk. On the other hand, proposed subjects for the free-electron laser include terahertz and microelectromechanical systems technologies, pump-probe techniques, quantum structures of semiconductor materials, and near-edge microscopy and spectroscopy.

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