

Seminar : Dr. Vytautas Pečiukėnas Light Conversion, Vilnius (Lithuania)

Wednesday October 15th, 2025 at 11h00
LMOPS, CentraleSupélec, 2 rue E. Belin, Metz
Salle de réunion (C102)

Crystal growth efforts for photonics around Vilnius



The history of lasers and non-linear optics in Vilnius, Lithuania, can be traced back to the mid-1960s, or more broadly, to the creation of the first laser. These emerging scientific fields quickly captured the interest of researchers at Vilnius University, leading to the formation of the first scientific groups and eventually the establishment of the Laser Research Center. Following the restoration of Lithuania's independence, photonics companies began spinning off from the University - first among them being Light Conversion. Over its more than 30-year history, Light Conversion has grown into one of the world's leading manufacturers of femtosecond lasers, while also offering a wide range of solutions for both scientific and industrial applications. However, with the shifting geopolitical landscape, new challenges have emerged and dependence on critical supply chains outside of Europe can no longer be overlooked. In response, a collaborative initiative involving the Center for Physical Sciences and Technology, Light Conversion, and other companies based in Vilnius has been launched to revive the locally forgotten field of crystal growth, with the aim of strengthening the regional photonics infrastructure and supply resilience.

Séminaire organisé dans le cadre du programme interdisciplinaire MAT-PULSE (*Materials and Physics @ Ultimate Scale: Nanotech for a sustainable digital world*)

