

NARIT Center for Optics and Photonics activities and development plan

The NARIT Center for Optics and Photonics Laboratory aims at designing, developing and commissioning cutting-edge optical instruments. This, by targeting the following thematic: astronomy, space, remote sensing, microscopy and optical surfaces manufacturing. This center includes two laboratories: the Laboratory for Space and Astronomy (LOSA) and NARIT Astropark (Chiang Mai) and at the Laboratory of Optics and Photonics for Industrial Applications (LOPIA) currently in development at NARIT Regional Observatory of Songkhla. Our team consists of more than 10 people (opto-mechanical engineers, PhD students and post-docs) working together to design, develop and evaluate the performance of our instruments. Our work encompasses a wide range of activities: definition of the design concept, specification, optical and mechanical design, assembly, integration, alignment and performance verification. In this talk, I will first present our current facilities and our team. Then, I will present the current project already started at LOSA, the main results we have obtained and the next steps. Finally, I will describe the activities that we plan to develop at LOPIA for the 2021-2030 time period.

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