



<i>Project Title:</i>	<i>High numerical aperture (NA) spectroscopic imaging ellipsometry: Optical Modelling</i>
<i>Project Short description</i>	The Applied Nano-Optics laboratory at the INL deploys one of the world's most advanced imaging ellipsometry systems. In order to improve understanding of imaging results obtained with this system, new developments in optical performance modelling of high numerical aperture objectives are required. We are looking for a motivated student to study optical imaging with high numerical aperture optics applied to the imaging of a highly tilted substrate. Expected outcome of this project is a C++ class for electromagnetic modelling of said optical system.
<i>Expected Start/end date</i>	
<i>Required degree and Background knowledge of students, minimum grade point average, etc...</i>	MSc student with a strong background and good record of accomplishment in Optics and Photonics. Particularly useful knowledge for this project includes Fourier optics and optical aberration theory.

Supervisor at INL

Name:	Pieter De Beule
Position:	Staff Researcher
email:	Pieter.De-Beule@inl.int