Webinar

VirtualLab Fusion Applications, Technology & Workflows

Simulation of Interferometric Setups with VirtualLab Fusion

Date: 30 September 2020
Times: 10:00 – 11:00 and 18:00 – 19:00 (CEST)
Speaker: Olga Baladron-Zorita
Registration: Please register by clicking **here**.

Interferometry as a discipline proves useful in a wide range of applications, and interferometric setups can just as easily be found in the laboratories of educational institutions for the demonstration of fundamental physical effects to budding students, as in cutting-edge industrial systems for many different purposes, like surface quality characterization and sensing, among others. And that is not to mention the medical and biological fields, where interferometry forms the basis for multiple non-invasive diagnostic tools.

In this webinar we will demonstrate the simulation of a series of interferometric setups in the fast physical optics modeling and design software VirtualLab Fusion, and illustrate some of the features which make VirtualLab Fusion a particularly user-friendly and efficient simulation tool for a wide range of interferometers.

Some of the examples you can expect to see are:

- Fizeau Interferometer for Optical Testing
- Collimation Testing with Shearing Interferometry
- White-Light Michelson Interferometer
- Generation of Spatially Varying Polarization by Interference with Polarized Light