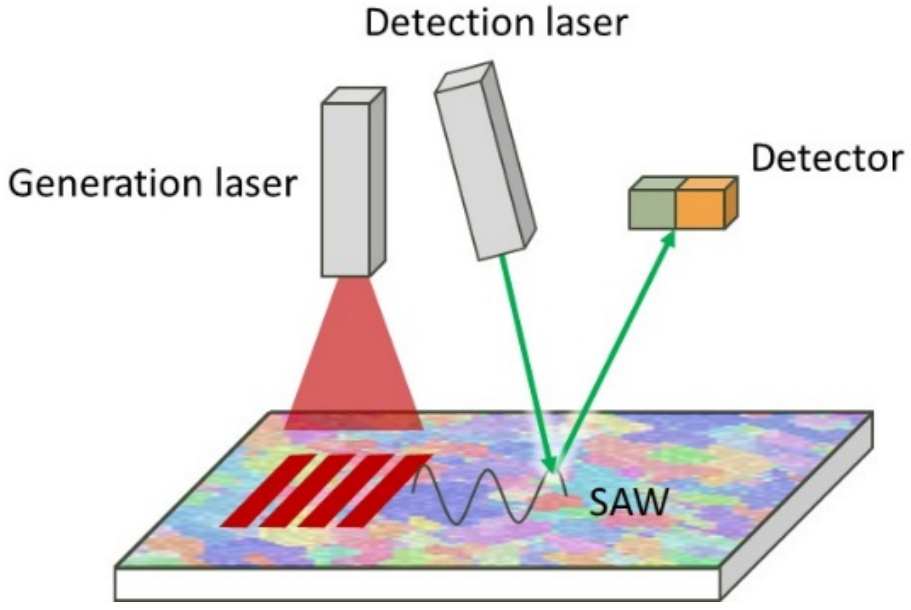
Spring 2024

Optics & Photonics Group Lunchtime Seminar Series

University of Nottingham

Spatially resolved acoustic spectroscopy (SRAS++) characterization method for polycrystalline materials

Dr. Carolina Guerra
University of Nottingham



13:30 Wednesday 20 March 2024
Coates Building - C24

OPTICS & PHOTONICS
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Carolina Guerra

Spatially resolved acoustic spectroscopy (SRAS++) characterization method for polycrystalline materials

This seminar will discuss the importance of developing new technologies for the characterization of crystalline materials, highlighting the pioneering work of the Optics and Photonics group at the University of Nottingham in this area. The presenter will address various characterization techniques and metallic alloys, focusing on the most relevant aspects of these materials.

The seminar will then explain the use of Spatially Resolved Acoustic Spectroscopy (SRAS) to characterize crystalline samples. This section will cover the functionality of the technique, current results, and new challenges, emphasizing how this technique can be transformed into the optimal option for researchers to characterize the elastic modulus and crystallographic orientation of grains. Attendees will gain insight into the potential of this technique and its role in advancing materials science research.

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All are welcome

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