



WAVE PHYSICS AND IMAGING APPLICATIONS

Franco-Finnish Workshop

Research topic: **Physics**

Place: **University of Helsinki**

Institutions involved: **University of Helsinki, Aalto University, University of Eastern Finland, INSERM LabTau Lyon, CNRS, TUM Munich, Sisprobe Grenoble,**

Dates: **18/05/2022 to 20/05/2022**

Program: **Maupertuis Programme**

PRESENTATION

The workshop was organized in the framework of Hillers' Academy of Finland research project "Seismic Surface Wave Focal Spot Imaging". The background of the speakers varied widely, but it is evident that the protagonists share common interests, face similar problems, and apply related techniques associated with wave propagation phenomena. Ultimately, this observation motivated the organization of this workshop.

ACTIVITIES AND OUTCOMES

An immediate follow-up of this workshop is a visit of [G. Hillers](#) to [H. Nieminen](#) to [Aalto University](#) in June 2022, together with [T. Lokki](#), the Head of [the Department of Signal Processing and Acoustics from Aalto University](#), to discuss the interest and possibility of a joint alternating seminar series on wave physics at the [University of Helsinki](#) and the Aalto University. G. Hillers received also an invitation to visit the group of [T. Tarvainen](#) at the [University of Eastern Finland](#) during the fall. H. Nieminen from Aalto University and [S. Catheline](#) from [LabTAU Lyon](#) have been collaborating in the past; H. Nieminen employs a former member of S. Catheline's group. They decided to revive their research collaboration on ultrasound medical imaging topics.