TECHNION
Israel Institute
of Technology

OPEN POSITIONS - EXCEPTIONAL

PhD students/Post-docs for an ERC CoG project on dynamic metamaterials

By Prof. Gal Shmuel

Faculty of mechanical engineering, Technion – Israel Institute of Technology

The properties of artificial materials can be designed to exhibit extraordinary properties by cleverly engineering their composition. The objective of this ERC project *EXCEPTIONAL* is to develop metamaterials that manipulate elastic waves, with potential applications such as vibration isolation, energy harvesting, cloaking and more. Our approach relies on integrating concepts from non-Hermitian physics with continuum mechanics.

We seek motivated and talented PhD/postdoc students with background in mechanics/physics to work on the theoretical, numerical and experimental tasks of the project. These positions are fully funded by the European Research Council (ERC), whose mission is to encourage the highest quality research in Europe through competitive funding for investigator-driven frontier research, on the basis of scientific excellence.

Technion – Israel Institute of Technology, a partner of the EuroTech Alliance, is located along the Mediterranean in Haifa, Israel, ranked in top 100 universities, houses 3 Nobel laureates, and is a world leader in scientific research and technology development.

How to apply?

Suitable candidates should submit their application, which includes a CV, contact details of two referees and a short motivation letter to Prof. Gal Shmuel at meshmuel@technion.ac.il. Please include in the subject line of the email the reference CoG-EXCEPTIONAL. For more details see https://solidmech.net.technion.ac.il/