

Bogdan

UNGUREANU, PhD. eng.



Bogdan UNGUREANU is an associate researcher, PhD. Eng. in Civil Engineering, currently a Marie-Curie fellow within the Department of Mathematics at Imperial College London. He is a trained civil engineer in Structural Mechanics specialised in risk assessment in urban infrastructures working on Seismic Metamaterials. TUIASI graduate, he has performed some part of his PhD thesis in the CNRS physics laboratory Institut Fresnel in France thereby broadening his area of interest from Applied Mathematics and Mathematical Physics to Civil Engineering and Risk Management.

He is also president and co-founder of BTU Trust, a French company involved in civil engineering, development and innovation activities in partnership with CNRS, Imperial College London and TUIASI.

Dr. Ungureanu has considerable expertise in the design and characterisation of novel metamaterials, taking advantage of Imperial College academic knowledge of these in neighbouring areas (solid-state physics, theoretical mechanics, structural dynamics), to develop new industrial applications (e.g. mechanical vibration reduction and seismology) or metamaterial approaches for harnessing and control of water waves and fluid flows.

The networking at ICL research groups in physics, mathematics and mechanical engineering which have many links with industry and government laboratories in this field has led to invitations to participate in many consortia (for European projects : ITN, ANR, FET-OPEN & ERC SYNERGY) and to be part of many international projects thanks also to his active participation in international scientific events around the world.

<https://meta-mat.org>

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