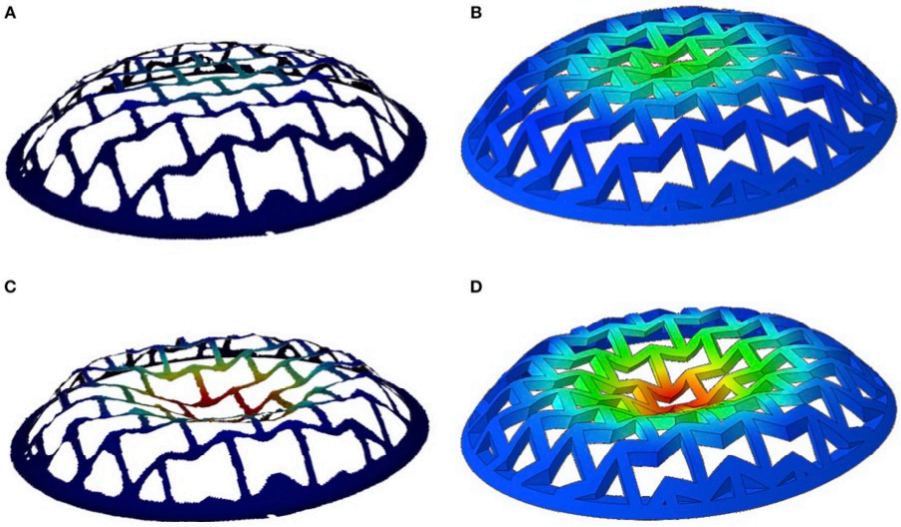
Professor Fabrizio Scarpa



From: Nathanael Easey, Dmytro Chuprynyuk, W.M. Syazwan Wan Musa, Angus Bangs, Yousef Dobah, Anton Shterenlikht and Fabrizio Scarpa, "Dome-shaped auxetic cellular metamaterials: Manufacturing, Modeling, and Testing", Frontiers in Materials, 6:86, 24 April 2019, doi: 10.3389/fmats.2019.00086

See:
http://ichrome.com/fastrtm/?page_id=17
https://www.researchgate.net/profile/Fabrizio_Scarpa2
https://scholar.google.com/citations?user=gLySzqAAAAAJ&hl=en

Bristol Composites Institute (ACCIS) and Dynamics and Control Research Group (DCRG)
University of Bristol, UK

Summary:

Fabrizio has 20 years of experience in the field of modeling and manufacturing of composites, auxetics and porous materials. Fabrizio has lead several EPSRC, Royal Society and FP6, FP7, H2020 projects and holds five patents in the design and manufacturing of auxetic cellular structures. Fabrizio is responsible for the theoretical formulation and the validation of the FastRTM solver.

Research Interests:

My research activities are related to auxetic materials and structures, smart and nanomaterials, composites, natural fibres, vibroacoustics, morphing and adaptive structures. I develop designs, models, prototypes and perform mechanical and multidomain characterisation. I have several projects at the moment looking at gradient structures, ZPR lattices, auxetic foams development, vibration damping, metal rubber, graphene, BN and GaN nanostructures and nano sensors.

Selected Publications:

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