

Manas Upadhyay is an Assistant Professor in the Department of Mechanics of the Ecole Polytechnique (France) and a researcher in the Solid Mechanics Laboratory (LMS) of Ecole Polytechnique and CNRS. He obtained his PhD from the Georgia Institute of Technology (USA) in 2014 and he did his post-doctoral research at the Paul Scherrer Institute (Switzerland) till 2018. In 2022, he obtained the habilitation to direct research, the highest university diploma in France, from Institut Polytechnique de Paris. His research interests lie at the intersection of solid mechanics and materials science. His current research is focused on developing and using a Modeling, Simulation and Experimental Synergy (MoSES) to engineer microstructures fabricated via additive manufacturing. He was recently awarded EU's Horizon2020 ERC Starting Grant (# 946959), which allowed him to build his own research group, the MoSES group, to pursue research on this topic. At the Ecole Polytechnique, he has taught courses at the bachelor and engineering cycle (equivalent to Master's) levels on mechanics and heat (bachelors), continuum mechanics, plasticity, among others. He has been awarded the Scripta Materialia Outstanding reviewer award in 2017. More recently, he has been awarded the Jean et André Rist 2022 medal by the French Society of Metallurgy and Materials (SF2M). More details on his professional activities can be found on <https://www.manas-upadhyay.com/>.