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Dan Mordehai completed his B.Sc. in physics and mathematics at the Hebrew University of Jerusalem, and a PhD in Physics at Tel Aviv University on the study of defect properties in metals using molecular dynamics simulations. During the period of two post-docs in CEA/France and at the Technion he developed and employed simulation tools to perform a multiscale study of mechanical properties, both in extreme conditions and at very small scales. Since 2011 he has been an Assistant Professor at the Mechanical Engineering department at the Technion. His group is working on modelling nanomechanical properties of solids using atomistic- and mesoscale simulation techniques. For more details <http://nanomechsim.technion.ac.il/>