Deformations of 2D Random Elastic Networks HENDRIK FLORIJN, M. VAN DEEN, HENK IMTHORN, MARTIN VAN HECKE, Leiden University, GRANULAR & DISORDERED MEDIA TEAM — We study the linear and nonlinear behavior of random 2D elastic networks at the desktop scale. We demonstrate how to fabricate random networks and characterize them with the lattice coordination number $Z$. We investigate experimentally if there is a relation between the mechanical response and the lattice coordination number $Z$ of the network.