

**BIOGRAPHY:**

**Dr. Lea SIROTA, Assistant Professor**



Lea Sirota is an Assistant Professor and the head of the Active Wave Control research group at the School of Mechanical Engineering, Tel Aviv University, since July 2020. She received her BSc degree and her PhD degree (direct track), both in Mechanical Engineering at the Technion – Israel Institute of Technology, respectively in 2008 and 2016. During 2016-2018 Lea was a postdoctoral associate at the Active-Adaptive Control lab at Massachusetts Institute of Technology, and during 2019 at the Physics of Complex Systems lab at Tel Aviv University. Her research is focused at actively-controlled metastructures that realize autonomous and reprogrammable guiding of acoustic/mechanical waves. In particular, she is passionate about waveguiding inspired by quantum-mechanical phenomena, real-time wave absorbers, artificial acoustic fields, and cloaking.