The seminar will be held on Thursday, 15 December 2022, at 12:00
Room 324, Kaplun Building
Tel Aviv University, Ramat-Aviv

Abstract:
In my talk, I raise the question about the fundamental limits to the size of thermal machines – refrigerators, heat pumps and work-producing engines - and I will present the smallest possible ones. I will then discuss the issue of a possible complementarity between size and efficiency and show that even the smallest machines could be maximally efficient, and I will also present a new point of view on what is work and what thermal machines actually do. Finally, I will present a completely new approach to the foundations of thermodynamics that follows from these results.

Light refreshments will be served before the seminar