

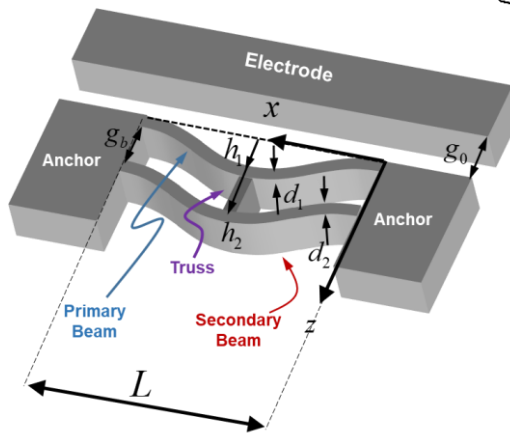
The Smart Structures Laboratory is growing!

Do you want to be a part of the next *computing revolution*?

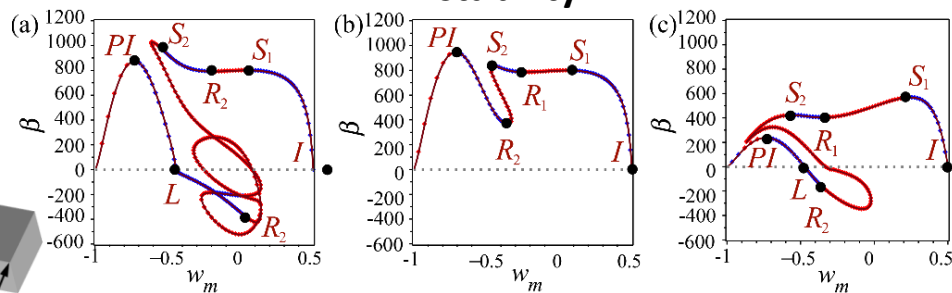
Do you want to be a part of a new and *exciting research at the bleeding edge of the frontier* and change or *advance humanity*? Are you a curious person?

If so, then we are seeking **outstanding MSc and PhD students, as well as postdocs for the group**. We study the fundamental properties of a new class of structures dubbed **micro-meta-structures (MMS)**, characterised by repeating unit sub-structures that are coupled. This new type of structure is an emerging field with applications ranging from multi-stable MEMS to broadband energy harvesting, mechanical computing, edge computation, authentication and encryption devices.

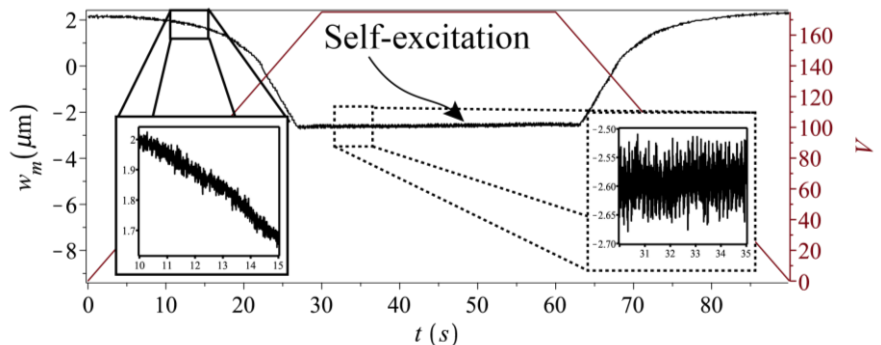
1st Gen, MMS



Tristability



— Stable — Unstable



The research is aiming towards the following applications:

- Multivalued and non-volatile mechanical memories/MEMS-based sensors
- Multivalued authentication devices
- Multistable, broadband micro-energy harvesters
- Multivalued random number generators
- Mechanical (and multivalued and cascable) logical gates
- Mechanical computing

High-value fellowships or bonuses can be given to outstanding students

For further details and enquiries, contact Dr. Lior Medina at medina@tau.ac.il

Smart
Structures
Laboratory

“Things are only impossible until they're not” – J. L. Picard