

## Ilan Goldfarb

### Short Biography



Ilan Goldfarb is a Professor at the Department of Materials Science and Engineering, Tel Aviv University. After obtaining his doctorate in growth and transmission electron microscopy of thin multilayered films with Prof. Shechtman at Technion's Department of Materials Engineering in 1994, he joined the Department of Materials at Oxford University (UK) as a British Council Post-Doctoral Scholar, where he spent the next five years specializing in surface science, epitaxial growth, and scanning tunneling microscopy. He joined Tel Aviv University in 1999, and spent his 2010-2011 sabbatical year at the Nanoelectronics Research Group at Hewlett-Packard Laboratories in Palo Alto (Ca, USA) exploring electronic structure and conduction mechanisms in amorphous materials for memristor applications. Since his return he has been heading the TAU Wolfson Applied Materials Research Centre (WAMRC). Prof. Goldfarb's current research focuses on self-organization of magnetic epitaxial nanostructures by scanning tunneling microscopy, electron diffraction and photoemission methods, and on electronic structure of amorphous oxide films. Until recently he served on the Editorial Board of Applied Physics A.