



LAUNCH EVENT

 **Tuesday, October 20, 2026**

 **Department of Materials Science and Engineering,**
 Room 301, David Wang Auditorium, 3rd Floor, Dalia
 Maydan Building

Join Us for the Launch of the Israel Center for Atom Probe Tomography (APT) at the Technion!

We are delighted to invite you to the launch of the **Israel Center for Atom Probe Tomography (APT)** at the Technion, a pioneering national facility that brings world-leading materials characterization capabilities to Israel and opens new opportunities for research at the atomic scale.

Established as part of the **Israel National Institute for Energy Storage (INIES)**, with the support of the Ministry of Energy and Infrastructures, the Center will provide researchers from academia and industry with access to state-of-the-art APT instrumentation and expertise. These capabilities will enable unprecedented insights into the three-dimensional composition and atomic-scale structure of materials, advancing research across energy storage, semiconductors, structural materials, and other emerging technologies.

The launch marks the beginning of a vibrant and growing scientific community that will leverage these unique capabilities to address fundamental scientific questions, tackle complex technological challenges, and accelerate innovation in materials science and energy technologies.

Join us as we celebrate this important milestone and embark on a new era of atomic-scale research and discovery in Israel.

10:00 – 10:30 Ribbon Cutting Ceremony (Invite Only)

10:30 – 11:00 Registration and Networking

11:00 – 12:00 Scientific Conference: Part 1

- Presentation of the **Israel Center for Atom Probe Tomography**
- **Opening Lecture, Prof. Yaron Amouyal, Technion – Israel Institute of Technology**
Atom probe tomography: a cornerstone in materials characterization

12:00 – 13:00 Lunch

13:00 – 16:00 Scientific Conference: Part 2

13:00 – 13:25 Prof. Noam Eliaz, Tel Aviv University

A Journey in Atom Probe Tomography: From Characterizing Electrodeposited Calcium Phosphates and Thermal Barrier Coatings to Exploring Additively Manufactured Alloys and Novel Materials for Energy Applications

13:25 – 13:50 Dr. Ofer Beeri, Nuclear Research Center Negev (NRCN)

An Atom Probe Tomography Study of Nanoscale Precipitate Evolution in Al-Sc-Rare Earth and Actinide Systems

13:50 – 14:15 Prof. Roie Yerushalmi, The Hebrew University of Jerusalem

NanoFlorets: Versatile Nanowire-Based Building Blocks and Insights Obtained from Atom Probe Tomography

14:15 – 14:45 Refreshment Break

14:45 – 15:10 Dr. Michal Dagan, Soreq Nuclear Research Center (SNRC)

Atom Probe Tomography and Field Ion Microscopy for 3D Atomic-Scale Characterization of Radiation Damage

15:10 – 15:35 Dr. Shmuel Ariely, Israel Institute of Materials Manufacturing Technologies (IMT)

Microstructure and Failure Mechanisms of 3D-Printed Inconel 718

15:35 – 16:00 Mr. Badie Jubran, Technion – Israel Institute of Technology

Microstructure Evolution and Atomic-Scale Redistribution in Sb/In co-Doped Thermoelectric Bi_2Te_3 : Insights from Atom Probe Tomography

16:00 Closing Remarks

16:15 Conference Adjourns

