

New Possibilities in High-End TEM Instrumentation and In Situ Analysis in Gas and Liquid Environments

Overview

The Workshop is organized by Protochips Inc., Nano Instruments Ltd., the Electron Microscopy Center in the Department of Materials Science & Engineering, in the Technion and supported by ISM .

Applications scientists from Protochips Inc., in collaboration with the Technion EM Center team, will introduce and demonstrate new tools for in situ TEM analysis and show applications in life and materials science. The keynote lectures will accompany the subsequent parallel sessions on in situ TEM.

Program and demonstration schedule (Program subject to modification)

Tuesday, 13th October

- 10:00 Get together with refreshments
- 10:15 Welcome
- 10:30 A new paradigm in environmental TEM:
Applications and capabilities of the
Atmosphere Gas E-Cell System
- 11:30 Dynamic Temperature and Electrical
control within the TEM
- 12:15 Lunch Break
- 13:00 Parallel Hands on Demo sessions
- 15:00 Short Coffee Break
- 15:15 Parallel Hands on Demo sessions
- 17:15 End of first day



Wednesday, 14th October

- 10:00 Get together with refreshments
- 10:15 Imaging in Solution:
Imaging Wet Specimen in situ using EM
- 11:15 Liquid cell - Sample preparation process
- 12:00 Lunch Break
- 13:00 Parallel Hands on Demo sessions
- 15:00 Short Coffee Break
- 15:15 Parallel Hands on Demo sessions
- 17:15 End of Workshop

Location

Technion - Israel Institute of Technology
Department of Materials Sciences &
Engineering
Lectures: Auditorium, floor 3
Demonstrations: Electron Microscopy Center,
floor 0

Demonstrations program

	Time	Tuesday	Wednesday
Titan Room	13:00	Group 1	Group 3
(Poseidon)	15:15	Group 2	Group 4
T-20 Room	13:00	Group 2	Group 4
(Aduro)	15:15	Group 1	Group 3

Registration

Registration is free for the workshop. However, due to limited seating and space in the TEM rooms, attendees must register for the lectures and the demonstrations. Lunch will be provided every day of the workshop.

[Register Here](#)

Deadline for registration:

Thursday, October 8th, 2015

Contacts

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**Technion – Israel
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Technology**

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