

HANDS-ON IN SITU EM WORKSHOP

Karlsruhe Institute of Technology (KIT) - Institute of Nanotechnology (INT)
Campus North | 76344 Eggenstein-Leopoldshafen, Germany

Join us for this exciting three day workshop to learn about *in situ* experiments ranging from mechanical, thermal and liquid studies in the electron microscope to tomography, diffraction, and orientation imaging techniques. Featuring latest and greatest *in situ* solutions offered by Protochips, NanoMegas and Hysitron, numerous talks and demonstrations will show you how *in situ* techniques can accelerate your research, allowing you to discover more and publish faster. Visit the Protochips website to reserve your seat today!

REGISTER ONLINE: <http://www.protochips.com/gate/2018-kit-situ-em-workshop/>

Tuesday, May 15th

10:00 - 10:15	Welcome <i>KIT / Protochips / Hysitron / NanoMegas</i>
10:15 - 11:00	In situ Heating TEM <i>Invited talk</i>
11:00 - 11:15	Coffee Break INT Foyer
11:15 - 12:00	In situ Mechanics TEM <i>Christian Kübel, KIT Karlsruhe</i>
12:00 - 12:45	Diffraction Tomography <i>Ute Kolb, University Mainz</i>
12:45 - 13:45	Lunch Break with poster session
13:45 - 14:30	Protochips Presentation
14:30 - 16:00	Session 1 <ul style="list-style-type: none">In situ heating TEMIn situ straining TEM 1In situ heating SEMTEM Orientation Imaging 1
16:15 - 16:30	Coffee Break INT Foyer
16:30 - 18:00	Session 2 <ul style="list-style-type: none">In situ electrical TEMTEM Orientation Imaging 2In situ compression SEMTEM Diffraction Tomography 1
18:00 - 20:30	Dinner INT Foyer



Photos provided by int.kit.edu

Wednesday, May 16th

09:00 - 09:45	In situ Gas TEM <i>Invited talk</i>
09:45 - 10:30	TEM Orientation Imaging <i>Edgar Rauch, SIMaP</i>
10:30 - 10:45	Coffee Break INT Foyer
10:45 - 11:30	Development of in-situ Biasing Techniques for Resistive Memories Characterization <i>Remy Berthier, CEA, LETI, Grenoble</i>
11:30 - 12:15	In situ Mechanics TEM <i>Invited talk</i>
12:15 - 13:30	Lunch Break with poster session

Schedule and times subject to change without notice



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13:30 - 14:15	Promotion Hysitron <i>Hysitron/Bruker</i>
14:15 - 15:45	Session 1 <ul style="list-style-type: none"> • TEM Orientation Imaging 1 • In situ liquid TEM 1 • In situ heating SEM • TEM Orientation Imaging 2
15:45 - 16:00	Coffee Break INT Foyer
16:00 - 17:30	Session 2 <ul style="list-style-type: none"> • In situ straining TEM 2 • In situ liquid TEM 1 • In situ compression SEM • Diffraction Tomography Analysis 2
19:00 - 21:30	Dinner Andreasbräu Eggenstein <i>sponsored by Protochips</i>

Thursday, May 17th

09:00 - 09:45	Strain Analysis <i>Jing Lu, NanoMegas</i>
09:45 - 10:30	In situ liquid TEM <i>Arnaud Demortiere, Univ. Picardie</i>
10:30 - 10:45	Coffee Break INT Foyer
10:45 - 11:30	In situ mechanics SEM <i>Invited talk</i>
11:30 - 12:15	Promotion NanoMegas Stavros Nicolopoulos, NanoMegas
12:15 - 12:30	Concluding Remarks KIT / Protochips / Hysitron / NanoMegas
12:30 - 13:30	Lunch Break INT Foyer

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