



LEAP-3000X graphic
compliments of Northwestern

The Atom Probe
A Monthly Newsletter from
Imago Scientific Instruments Corporation
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(www.imago.com)

Oxford nanoScience Joins Imago

As publicly announced April 11, Imago has joined forces with Oxford nanoScience Ltd (OnS), formerly of Polaron plc. So now in addition to Imago's LEAP 3000X™ technology and design team, the combined company also includes OnS' 3DAP product line, patents, and technology, plus the development team based in Milton Keynes, UK. The combined resources of Imago/OnS enable us to provide customers with complete atom probe solutions.

<http://www.imago.com/imago/newsevent/pressContent.do?method=pressContents&articleID=40>

First Customer Laser Unit Installed at Northwestern University

Dr. David Seidman's research group at Northwestern University took delivery of the laser upgrade in April. Said Professor Seidman: *"The recent installation of the laser upgrade to our 3-D LEAP tomograph went flawlessly and in less than five days we were collecting data on our specimens using it. The laser enhancement will enable us to study more readily metallic, semiconducting, and oxide materials, as well as branching out into organic materials. The laser enhancement is extremely well-engineered and we are able to switch from electrical to laser pulsing with literally the push of a button."*

Dr. Seidman's research group offers a commercial program to run customer specimens on their LEAP microscope. http://arc.nucapt.northwestern.edu/Seidman_Group

Imago Seminar at SIMS 19th Annual Workshop

Imago will host an atom probe workshop being held in conjunction with 19th annual SIMS Workshop, May 16-18 in Rancho Mirage, CA. The title is: **"Future Directions in Compositional Analysis: Is Atom Probe the Heir Apparent?"** The workshop features presentations by recognized industry leaders/SIMS experts within the semiconductor community. Please email sroberts@imago.com to request an invitation.

Recent Publications

- Our new application note characterizing selective SiGe processes using an atom probe is available for download from our website at http://www.imago.com/imago/download/market/SiGe_Application_Note_20060428.pdf and <http://www.imago.com/imago/techNote/viewAction.do?tnid=9#>
- Also look for Dave Larson and Tom Kelly's feature article on the front cover of May's Microscopy & Analysis special TEM issue <http://www.imago.com/imago/download/market/Larsonarticle.pdf>
- David Larson's analysis of atom probe data for data storage (GMR/TMR)

applications is presented in the recent journal *Thin Solid Films* 505 (2006) 16-21
[doi:10.1016/j.tsf.2005.10.012](https://doi.org/10.1016/j.tsf.2005.10.012)

Upcoming Trade Shows

- InterMag 2006 Conference, San Diego, CA May 8-12;
- <http://www.intermagconference.com/intermag2006/>
- NSTI NanoTech 2006, Booth #1220, Boston MA, May 8-9. Tom Kelly will deliver a presentation “*Three-Dimensional Atom Mapping for Nanotechnology Applications with Atom Probe Tomography*” Monday, 5/8 at 2:50 PM, Room 209;
<http://www.nsti.org/Nanotech2006/showabstract.html?absno=1769>
- 19th Annual Workshop on SIMS, Rancho Mirage, CA, May 16-19. Imago-sponsored seminar “*Future Directions in Compositional Analysis: Is Atom Probe the Heir Apparent?*” takes place on Thursday, May 18, 4:30 PM – 6:00PM. Please email sroberts@imago.com to request an invitation.
<http://www.simsworkshop.org/annualworkshops/workshop06/index.htm>
- European-MRS 2006 Spring Meeting, Nice, France, May 29 – June 2. Tom Kelly will deliver a presentation titled “*Three-dimensional Mapping of Atoms in Nanotechnology with Local Electrode Atom Probe*”
<http://www.emrs-strasbourg.com/>

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