

## NEW AND/OR INTERESTING IN MICROSCOPY

● Paul Smith, formerly of Oxford Instruments and Link Analytical, has joined RÖNTEC, the German manufacturer of premium EDX systems as President and CEO of RÖNTEC USA, Inc. The company is a global supplier specializing in low LN2 consumption UHV cryo-cooled EDX detectors and will display their systems at M&M '99, booths 1016-1018.

● **Optical Microscopy in the Next Millenium**, a special 2 day pre-meeting congress prior to Microscopy & Microanalysis 99 is being organized by Brian Herman of the University of Texas Health Science Center at San Antonio. It will be held to provide a forum for the discussion of new technologies and applications of optical microscopy that will impact our understanding of biological structure and function in the next millenium. Approximately 36 internationally known speakers will cover a broad range of topics including multiphoton microscopy, confocal microscopy, fluorescence lifetime microscopy, near field/atomic force microscopy, high resolution brightfield microscopy, laser tweezers, new fluorescent probes of cellular activity and protein-protein interaction, high throughput screening and drug development, automated image analysis, ion imaging, and more. Commercial vendors will be available for participants to visit during coffee breaks, continental breakfast and lunchtime. Information about the meeting can be obtained by visiting

the M&M 99 web site at: [www.microscopy.com](http://www.microscopy.com)

● Scripps Institution of Oceanography's Analytical Facility announces their AFM/STM services lab. Unlike SEM, AFM has the unique capability to provide high resolution imaging of biological samples in solution to maintain their structural integrity. We can also vary the solution (ph, buffers, etc.) to examine the behavior of samples in vitro.

The total image size can be as high as 30  $\mu\text{m}$  x 30  $\mu\text{m}$  (lateral) and 7  $\mu\text{m}$  (height). High resolution images can produce feature sizes as low as ~5 nm (laterally) and sub-angstrom height resolution. Our capabilities for biological samples in solution and samples under environmental control (electrochemistry, humidity, and temperature) make us a unique facility compared to other contract AFM labs.

For more information, contact Kevin Walds, SIO Analytical Facility: (619)534-3558, eMail: [kwalda@ucsd.edu](mailto:kwalda@ucsd.edu)

● Ventana Medical Systems, Inc. announces that it has successfully merged all of RMC business into its daily operations. Sales and marketing, as well as service will be moving to the headquarters at 3885 North Business Center Drive, Tucson, AZ.

Plans for a new 200,000 square foot facility were announced last quarter.

For more information, call (520)903-9366, toll free: (800) 227-2155, fax: (520)903-0132, [www.ventanamed.com](http://www.ventanamed.com)

## Can software make your job easier?

### **Electron Flight Simulator**

The Leading Visualization Software for Microanalysis

Electron Flight Simulator has become the world's leading SEM/X-ray visualization software by making it easy to see what happens inside your sample. Use it to model multilayer samples, particles, and inclusions, measure film thickness, determine where your x-ray spectrum is really coming from, and much more. It also makes a great training tool.

Download a demo and see what you've been missing.

<http://www.small-world.net>

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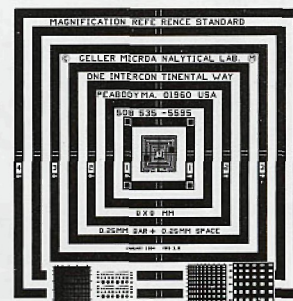
## MRS-4

*A ISO-9000 and ISO Guide-25 Standard for Microscopy*

This is our third generation, traceable, magnification reference standard for all types (SEM, Optical, STM, AFM, etc.) of microscopy. Usable from 10X to 200,000X with pitch patterns from 5  $\mu\text{m}$  to 8 mm. Pattern height is traceable to 0.1  $\mu\text{m}$ . Send for our free resource guide which discusses magnification measurement and error determination and calibration procedures (ASTM E766-98).

Visit us at booth 657 at the M&M '98 meeting.

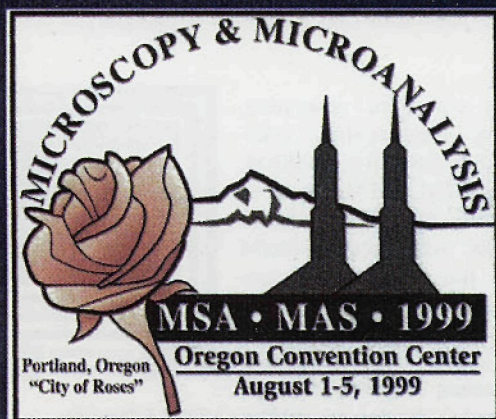
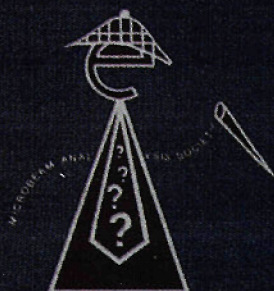
Also attend our exhibitor tutorial on magnification calibration on August 3 at 5:00 PM



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## A Special Symposium in Honor of Raimond Castaing

Sponsored by the Microbeam  
Analysis Society at  
**Microscopy & Microanalysis '99**

### *Celebrating 50 Years of Electron Probe Microanalysis*

This year is the fiftieth anniversary of Prof. Castaing's first publication describing his design of the electron microprobe. Our special MAS Symposium will celebrate the occasion, bringing together leaders in the field to review the past, present, and future directions of EPMA.

### *Symposium Sessions and Invited Speakers*

#### ***Celebrating the History of EPMA***

J. Philibert, K. F. J. Heinrich, P. Duncumb,  
and R. Shimizu

#### ***Instrumentation***

D. Wittry, C. Nielsen, J. McCarthy, and C. Conty

#### ***Some Noteworthy Applications***

K. Keil, R. Ogilvie, P. Echlin, and D. Newbury

#### ***Quantitative Analysis***

J. Armstrong, C. Nockolds, D. Joy, E. Lifshin  
and E. Essene

#### ***Round Table Discussion***

#### ***Poster Session***

## **Join us in Portland, August 1-5, 1999**

To register call 1(877) 672-6271