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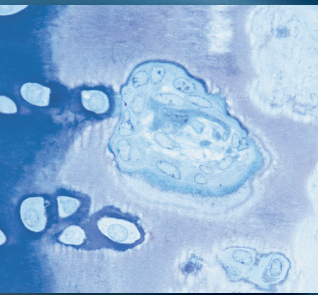


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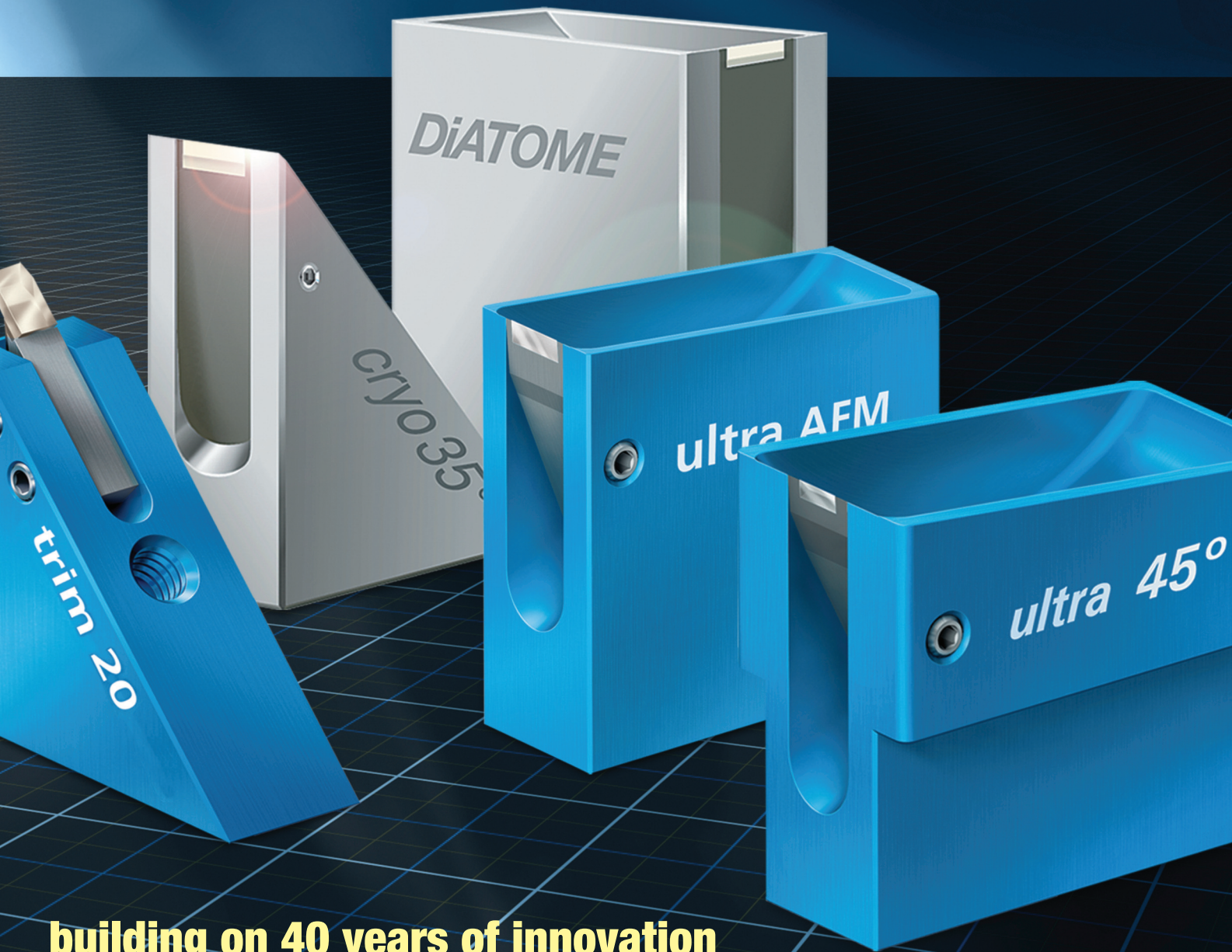
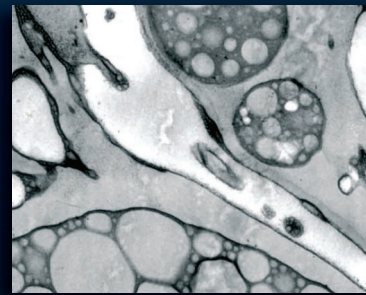
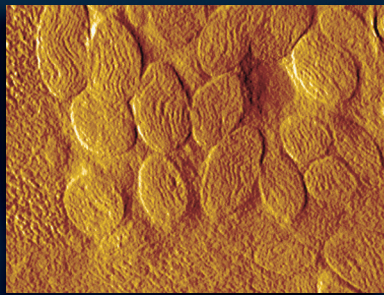
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Paper Submission Open: November 15, 2013

Paper Submission Portal

Paper Submission Deadline: February 8, 2014

Program Details

Awards Information

Hartford Area & Hotel Information

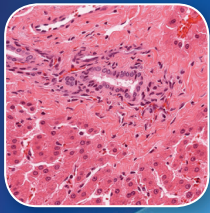
Hotel reservations available
January 2014

Online Registration

Opens February 2014

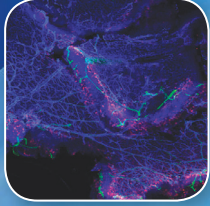


Image at Top: Cathodoluminescence image of composite SiC-diamond cutting tool; Colin MacRae, CSIRO-Minerals, Clayton, Victoria, Australia

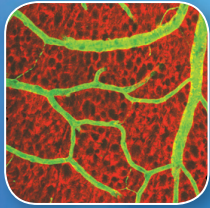


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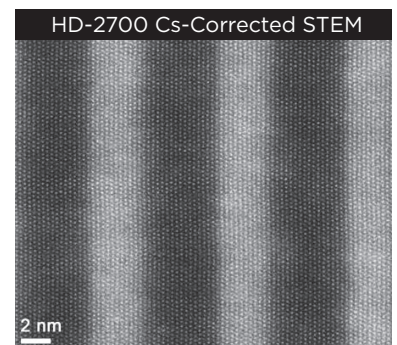
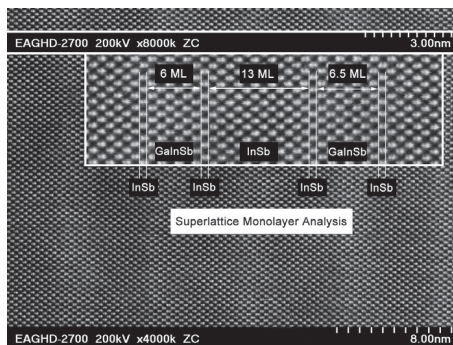
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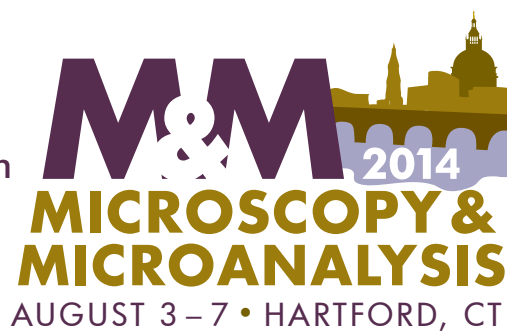
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Important dates

- September 2013 Abstracts submission and registration opening
- 3 March 2014 Abstracts submission and early registration deadline
- 1 July 2014 Standard registration deadline



SECOND ANNOUNCEMENT

Confirmed plenary speakers

Roger Y. Tsien - Nobel Prize laureate in chemistry, University of California San Diego, USA
Ondrej L. Krivanek, Nion Company and Arizona State University, USA
Kazutomo Suenaga, National Institute of Advanced Industrial Science and Technology, Japan
Xiaowei Zhuang, Howard Hughes Medical Institute, Harvard University, USA

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Scientific program

58 sessions in Instrumentation and Techniques, Materials Science, Life Sciences and Interdisciplinary

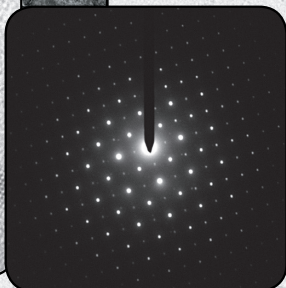
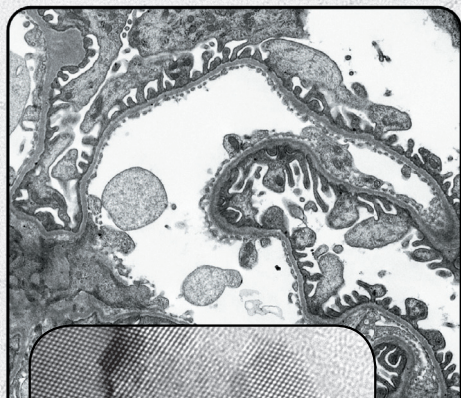
Other highlights

IFSM symposium, IFSM school, pre-and post-congress activities, lunch workshops
Congress party "In Art Nouveau" in the historical Prague Municipal House
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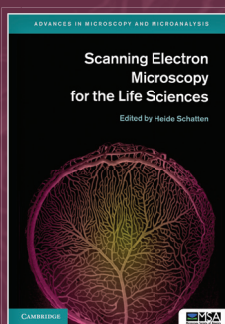
Scanning Electron Microscopy for the Life Sciences

Heide Schatten

University of Missouri, Columbia

US\$120.00; Hb: 978-0-521-19599-7: 312 pp

Recent developments in scanning electron microscopy (SEM) have resulted in a wealth of new applications for cell and molecular biology, as well as related biological disciplines. It is now possible to analyze macromolecular complexes within their three-dimensional cellular microenvironment in near native states at high resolution, and to identify specific molecules and their structural and molecular interactions. New approaches include cryo-SEM applications and environmental SEM (ESEM), staining techniques and processing applications combining embedding and resin-extraction for imaging with high resolution SEM, and advances in immuno-labeling. With chapters written by experts, this guide gives an overview of SEM and sample processing for SEM, and highlights several advances in cell and molecular biology that greatly benefited from using conventional, cryo, immuno, and high-resolution SEM.



About the series

The Press currently publishes the Microscopy and Microanalysis (MAM) journal in conjunction with the MSA, which reaches 4,000 microscopists and is affiliated with 12 international microscopy societies. The series would be a natural development from this journal, and will take a broad view of the discipline, covering topics from instrumentation to imaging, methodology and analysis across physical science, materials science, biology and medicine. Books commissioned for the series will range from advanced undergraduate textbooks through to research and practitioner oriented monographs for researchers. The series aims to produce a coherent source of material, encouraging the communication and exchange of ideas across these divergent fields, ensuring that the series appeals to a broad community in the physical and life sciences.

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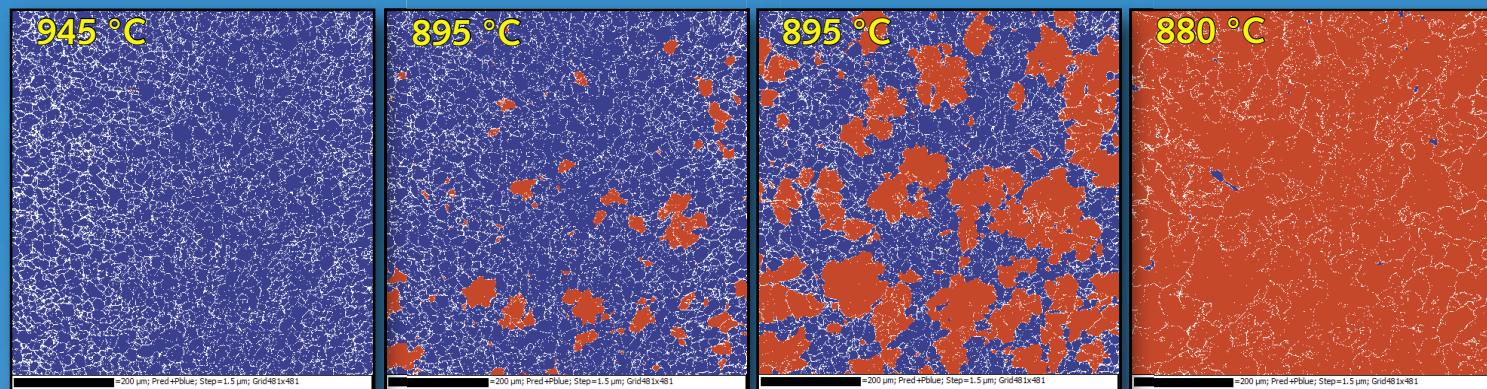


INDEX TO ADVERTISERS

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Bruker Nano GmbH	A21
Carl Zeiss Microscopy, LLC	A11
Denton Vacuum	A24
Diatome	A17
EDAX, Inc.	A12
Electron Microscopy Sciences, EMS	Cover 2
Evans Analytical Group	A19
FEI Company	A14
Gatan	Cover 3
IMC Conference	A22
IUMAS-6	A18, A20
JEOL USA	Cover 4, A6
MSA Ads	A20, A23
SIA Scientific Applications	A23
SPI Supplies	A10
Ted Pella	A13, A19
Tescan	A15

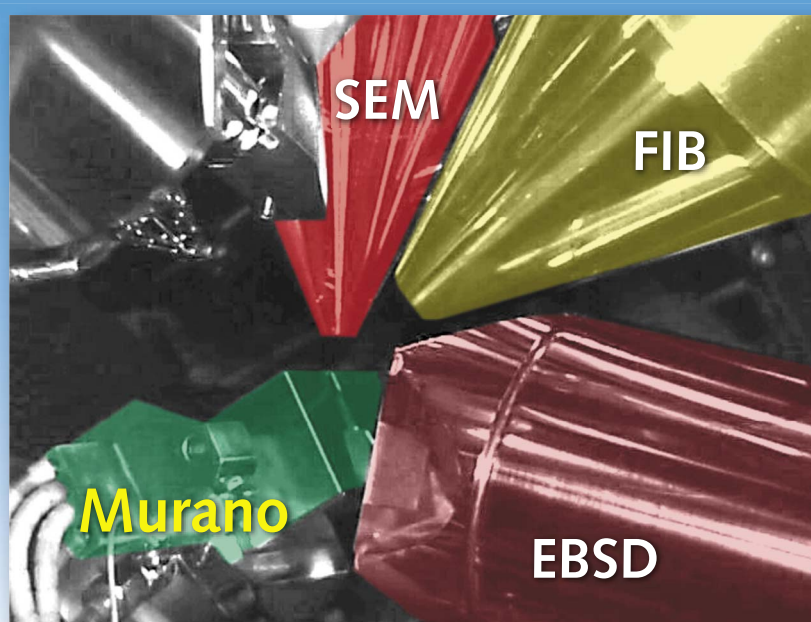
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Top Images: EBSD phase maps showing austenite to ferrite transformation from 945 °C to 880 °C, austenite is blue (dark) and ferrite is red (light). Measurements were taken using a single low carbon steel specimen heated to 945 °C then cooled at 1 °C per minute until the start of phase transformation was observed. Once transformation started, temperature was held to observe development of the phase change in individual grains before cooling resumed. Data courtesy of Dr. Singh Ubhi from Oxford Instruments. Bottom Image: SEM chamber view with EBSD, FIB, SED.



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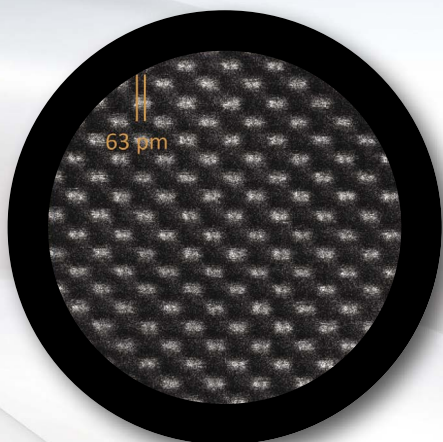
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