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CORROSION SCIENCE

- 12 Corrosion Science**
R.C. Newman and K. Sieradzki,
Guest Editors
- 16 Atomic-Scale Processes in
Cu Corrosion and Corrosion
Inhibition**
O.M. Magnussen and R.J. Behm
- 24 Alloy Corrosion**
R.C. Newman, S.G. Corcoran,
J. Erlebacher, M.J. Aziz, and
K. Sieradzki
- 29 In Situ X-Ray-Diffraction
Studies of Passive Oxide
Films**
M.P. Ryan, M.F. Toney,
A.J. Davenport, and L.J. Oblonsky
- 36 Environment-Assisted
Intergranular Cracking**
J.R. Scully
- 43 Surface Modification by
Ordered Monolayers: New
Ways of Protecting
Materials Against Corrosion**
M. Rohwerder and M. Stratmann

MRS NEWS

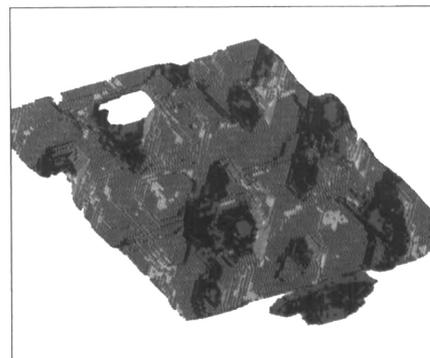
- 48 Robert P. Frankenthal
Named Editor-in-Chief of
*Journal of Materials
Research***
- 48 Arun Seraphin Appointed
MRS/OSA Congressional
Fellow for 1999–2000**
- 50 MRS Spring 1999
Meeting Features Soft,
Magnetic, and Display
Materials, Among
Other Interdisciplinary
Research Topics**

ABSTRACTS

- 66 Abstracts for August 1999
*Journal of Materials
Research***

DEPARTMENTS

- 3 Research/Researchers**
8 Washington News
9 Public Affairs Forum
11 Resources
42 Advertisers in This Issue
74 Calendar
78 Classified
80 Postterminaries



ON THE COVER: Illustrated is the onset of porosity formation in a Kinetic Monte Carlo simulation of selective dissolution of silver (de-alloying) from a $\text{Ag}_{0.9}\text{Au}_{0.1}$ alloy. The skin of the 100 atom x 100 atom section is drawn as if there is a light source off to the side (thus the shaded [dark] areas and seeming transparency). One sees several general features that are characteristics of pore growth in real systems, including (1) creation of a fully three-dimensional porous network, (2) surface enrichment of the more noble metal (gold), and (3) the creation of nanofacets. Simulation results by J. Erlebacher and M.J. Aziz; for more on this subject see the article "Alloy Corrosion" on p. 24.

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