JVSTB

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Nanotechnology and Microelectronics:
Materials, Processing, Measurement, and Phenomena

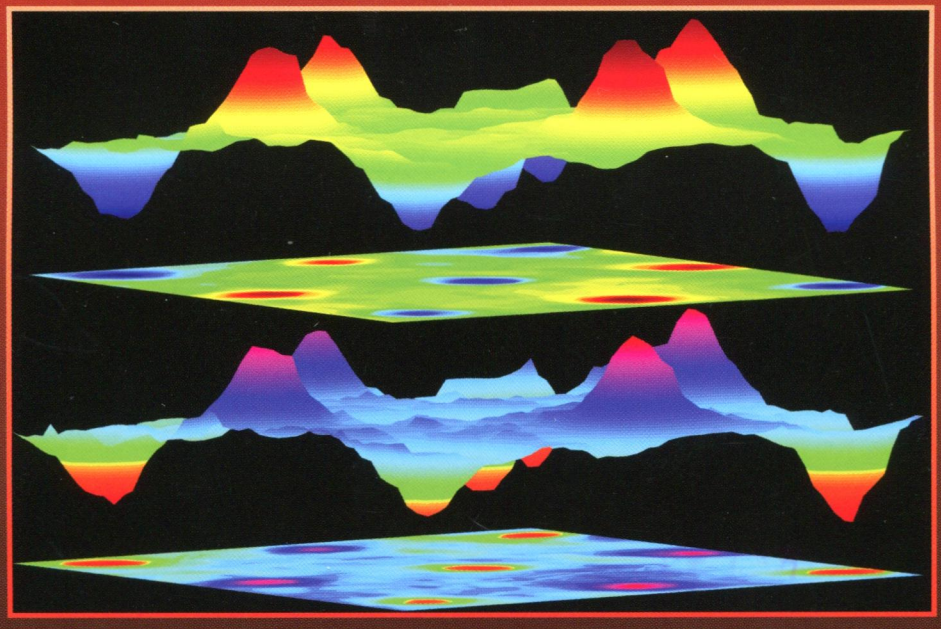

Image credit: William D. Rice, Palak Ambwani, Joe D. Thompson, Christopher Leighton, and Scott A. Crooker, JVST B 32(4), p. 04E102-1.

Review Articles:

Role of Molybdenum Oxide for Organic Electronics: Surface Analytical Studies
-by Chenggong Wang, Irfan Irfan, Xiaoliang Liu and Yongli Gao

Access Devices for 3D Crosspoint Memory
-by Geoffrey W. Burr, Rohit S. Shenoy, Kumar Virwani, Pritish Narayanan, Alvaro Padilla, Bülent Kurdi and Hyunsang Hwang

Papers from the 41st Conference on the Physics and Chemistry of Surfaces and Interfaces

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Letters

Review Articles

(Continued)

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Electronic & Optoelectronic Materials, Devices & Processing

Lithography

Nanometer Science & Technology

MEMS & NEMS

Microelectronic & Nanoelectronic Devices

(Continued)

Errata

PAPERS FROM THE 41ST CONFERENCE ON THE PHYSICS AND CHEMISTRY OF SEMICONDUCTOR INTERFACES (41ST PCSI 2014)

On The Cover: *William D. Rice, Palak Ambwani, Joe D. Thompson, Christopher Leighton, and Scott A. Crooker, JVST B* ***32****(4), p. 04E102-1 (2014). Cover shows a pattern of nine magnetic dots that were optically written into SrTiO3-δ – a nominally nonmagnetic material – using circularly polarized light. Adjacent dots have opposite magnetic moment. The 250 μm $\times$ 250 μm pattern was optically detected using magnetic circular dichroism imaging. The persistent optically-induced magnetization holds promise for optically-addressable memory components in an archetypal complex oxide material.*