

Invited Talk
Center for Excellence in Synthesis and Processing Workshop
October 25-26, 2004
Hotel Durant, Berkeley, CA

Spin-Polarization, Oxides, and Electrical Transport at ORNL/UT*
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The Low-Dimensional Materials by Design group at ORNL and UT have a long-standing collaboration to study the fundamental physics of electrons in oxides. Recent results and directions in dilute magnetism, oxide growth, and electrical transport at nanoscale levels are reported. Effort has been directed toward fabrication and characterization of materials with new properties, particularly properties relating to the spin-orientation and electrical conductivity as material size and dimensions are reduced.

*Research sponsored by the U.S. Department of Energy under contract DE-AC05-00OR22725 with the Oak Ridge National Laboratory, managed by UT-Battelle, LLC.

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