15th IEEE International Symposium On the Applications of Ferroelectrics

-ISAF-2006-

July 30 to August 02, 2006 - SUNSET BEACH, NC

www.mse.ncsu.edu/isaf2006

Technical Program
Abstracts are requested from the following areas:

I. Processing of Ferroelectrics
Ceramics, and Composites; Thick and Thin Films; Single Crystals and New Developments

II. Characterization of Ferroelectrics
Electron, Neutron, and X-ray Techniques; Optical Techniques and *in-situ* methods; Surface Characterization Techniques

III. Theory and Modeling
Domains, Relaxors and Size Effects; Multi-scale Modeling Techniques; Multi-ferroic Systems; Phase Transformations

IV. Piezoelectric Applications
Sensors and Actuators and Transducers; Ultrasonics; High Temperature Materials

V. Thin Film Applications
FRAM, Logic, Device Design; Tunable Dielectrics; Integration and Architecture and Circuit Simulation; Testing, Reliability and Scaling; Multiferroic devices and concepts

VI. Capacitor Applications
Multilayer Capacitors; Tunable Materials; Energy Storage

VII. Other Applications
Optical Devices; Pyroelectrics; Photoelectric/Catalytic Devices; Organic Ferroelectrics; Lead Free Materials: Biological Systems

VIII. Electromechanical Behavior
Constitutive Modeling; Non-Linear Deformation; Reliability/Fatigue Phenomena; Nanoindentation Techniques

Host Organization	North Carolina State University
General Chair	Jon-Paul Maria
Technical Chairs	David Cann Hiroshi Funakubo Glen Fox Xiaoli Tan
Financial Chair	Angus Kingon
Proceedings Chair	Alexei Gruverman
Publicity Chair	Susan Trolier-McKinstry
Venue	The Sea Trail Golf Resort and Conference Center

Sponsored by the Ultrasonics, Ferroelectrics and Frequency Control Society of the IEEE

Abstract deadline:

February 20, 2006

A NOTE FROM THE ORGANIZERS:

The 15th ISAF meeting will feature an all-inclusive format. The registration fee will cover all conference activities and meals. We have worked with our corporate sponsors, IEEE, and the Sea Trail to provide a professional, comfortable, and affordable venue which will promote a collaborative discussion-oriented atmosphere. We hope this will promote participation from a diverse technical cross-section, with significant student participation.