

**CENTER FOR DIELECTRIC STUDIES  
FALL 2009 MEETING  
CELEBRATION HALL/DAYS INN  
STATE COLLEGE, PENNSYLVANIA  
OCTOBER 19-20, 2009**

**Poster List**

CDS-Funded:

1. Thermochemical and Electrochemical Issues Influencing Reliability in Lead Based Perovskite Materials *Russell Maier*
2. Dielectric Reliability at High AC Power *Doo Hyun Choi*
3. Damage Mapping in Layered Devices *Roi Meirum and Wade Lanning*
4. Phase-field Model of Resistance Degradation of Ferroelectric Dielectrics *Ye Cao*
5. Development of High Strain, High Coupling Piezoelectrics *Shujun Zhang*
6. Relationship Between Thermally Stimulated Depolarization Current Spectra and Dielectric Breakdown and Degradation Performance Limitations *Dennis Shay*
7. Binder Removal from Noble Metal and Base Metal Multilayer Ceramic Capacitors *Brandon Abeln*
8. Tantalum Anodization: Effects on Curvature *Angela Kramer*
9. Fundamental Studies of Reduction Resistance, High K Dielectrics *Soonil Lee*
10. High Temperature Piezoelectrics: Testing and Characterization *Beth Jones*
11. Excimer Laser Annealing of Electroceramic Thin Films *Srowthi Bharadwaja*

CDS-Related:

12. Characterization of Leakage Current in Tantalum Oxide Films *Brian Bontempo*
13. Ceramic Dielectric Resonators Based on Calcium Titanate for High Field Magnetic Resonance Imaging *Kristina Haines*

14. La-doped Strontium Barium Niobate and Sodium Cobalt Oxide for Thermoelectric Materials *Hiroo Yamakawa*
15. Investigation of Re-oxidation Process in Ni-electroded Multilayer Ceramic Capacitors through Impedance Spectroscopy *Kazumi Kaneda*
16. Mixed Conduction in Perovskites : the Case of Nb-doped PZT *Niall Donnelly*
17. Nanocomposites: Effect of Spatial Distribution, Orientation and Modified Interfaces of Fillers on Electrical Energy Storage *Vivek Tomer*
18. Correlation Between Resistance Degradation and Thermally Stimulated Depolarization Current (TSDC) in Acceptor (Mg)-doped BaTiO<sub>3</sub> Submicron Fine-Grain Ceramics *Seok Hyun Yoon*
19. Monte Carlo Modeling of Electrical Breakdown of Layered Dielectrics *Eugene Furman*
20. Tilt Transitions in Ag(Ta<sub>1-x</sub>Nb<sub>x</sub>)O<sub>3</sub> Thin Films *Raegan Johnson-Wilke*
21. Octahedral Tilt Transitions in Strained Perovskite Films *Dan Tinberg*
22. Design of Organic Materials for Less Residual Carbon in Ni-MLCC *J.R. Kim/Amanda Baker*