Invited Talks List

Dr. Terry M. Tritt  
Department of Physics and Astronomy  
Clemson University  
Clemson, SC 29634

Overview of Thermoelectric Phenomenon, Applications and Directions in Bulk Thermoelectric Materials Research. 
**Terry M. Tritt**  
Graduate Research Seminar, Materials Science  
University of Tennessee,  
Knoxville, TN; January 18, 2005

Overview of Thermoelectric Phenomenon, Applications and Directions in Bulk Thermoelectric Materials Research. 
**Terry M. Tritt**  
Research Fellows Seminar,  
United Technologies Research Center,  
Hartford, CN: January 21, 2005

Potential Research and Technological Directions in Bulk Thermoelectric Materials Research. 
**Terry M. Tritt**  
Dupont Central Research Center,  
Wilmington, DE: January 25, 2005

Potential Research and Technological Directions in Bulk Thermoelectric Materials Research. 
**Terry M. Tritt**  
General Motors Central Research Center,  
Warren, MI: March 11, 2005

Experimental investigation of the resistivity, thermopower and magnetoresistance of the rare earth doped hafnium pentatelluride system (REHfTe$_5$) 
**Terry M. Tritt**, Nathan D. Lowhorn and J. W. Kolis  
"Correlated electron crystals" for the 16th American Conference on Crystal Growth and Epitaxy (ACCGE-16)  
Big Sky, Montana, from July 10th through 15th, 2005.

Overview of DOE/EPSCoR Implementation Program in the Next Generation Bulk Thermoelectric Materials for Power generation Applications. 
**Terry M. Tritt**  
San Juan, Puerto Rico: September 29, 2005
Invited Presentations (cont.)

New Directions in Bulk Thermoelectric Materials Research.

Terry M. Tritt, J. He, B. Zhang, N. Gothard, Daniel Thompson, Tang Xiaoferg, Kelvin Aaron X. Ji and J. W. Kolis,

Overview of Thermoelectric Phenomena & Applications

Terry M. Tritt
BMW Meeting, Clemson University
Clemson SC; February 3, 2004

Overview of Thermoelectric Phenomena & Applications

Terry M. Tritt
DOE Argonne National Lab Meeting, Clemson University
Clemson SC; February 15, 2004

Overview of Thermoelectric Phenomena & Applications

Terry M. Tritt
General Electric Meeting, Clemson University
Clemson SC; March ??, 2004

Quasi-2D Electron Systems as Potential Thermoelectric Materials

Terry M. Tritt
AIST, Laboratory for Advanced Industrial Science & Technology
Osaka, Japan; July 20, 2004

Quasi-2D Electron Systems as Potential Thermoelectric Materials

Terry M. Tritt
Asahi-Kaes Company
Fuji City, Japan; July 22, 2004

Quasi-2D Electron Systems as Potential Thermoelectric Materials

Terry M. Tritt
Plenary Lecture, 23rd International TE Conference
Adelaide, Australia; July 27, 2004

Overview & Highlights of Upcoming ICT-2005

Terry M. Tritt
23rd International TE Conference
Adelaide, Australia; July 27, 2004
Invited Presentations (cont.)

Advances and Opportunities in Thermoelectric Materials Research

Terry M. Tritt
DARPA Materials Symposium
New Orleans, LA, Feb. 27, 2003

AOP Regional Science Fair Awards Ceremony:  **Keynote Address**

Terry M. Tritt, CoES,
Clemson University, March 20, 2003

Introduction to Thermoelectric Materials

Terry M. Tritt
Clemson University, Department of Chemistry Seminar
Clemson SC, April 21, 2003

Investigation of the Next Generation Thermoelectric Materials

Terry M. Tritt
DOE/EPSCoR-Conference: ”EPSCoR Powered: Pathways to Success.”
Albuquerque, New Mexico, June 2-4, 2003

Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler alloys

Terry M. Tritt, S.Bhattacharya, Y.Xia, V. Ponnambalam, S.J.Poon and N. Thadhani
Ottawa National Research Institute,
Ottawa Canada, June 24th 2003

Overview of Electrical and thermal properties of half Heusler Alloys as Promising Thermoelectric Materials (withdrawn due to travel constraints)

Terry M. Tritt

Overview of Ceramic Oxide Materials for Potential Thermoelectric Applications

Terry M. Tritt
2003 Fall Meeting of the Electronic Ceramics Symposium
Orlando, Florida; October 13-17th, 2003

Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler Alloys

Terry M. Tritt, S.Bhattacharya, Y.Xia, V. Ponnambalam, S.J.Poon and N. Thadhani
Proceedings of the 27th International Conference on Thermal Conductivity and Thermal Expansion in Solid Materials
ITCC27, Knoxville, TN; October 27-31st, 2003
Invited Presentations (cont.)

Overview of Ceramic Oxide Materials for Potential Thermoelectric Applications

**Terry M. Tritt**

2003 DARPA –Strategic Analysis MCALC-IV Symposium
San Diego CA; November 19 & 20th, 2003

Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler Alloys

**Terry M. Tritt, S.Bhattacharya, Y.Xia, V. Ponnambalam, S.J.Poon**
and N. Thadhani
Fall MRS Meeting, Boston MA, Symposium S
Boston, MA; December 1-4th, 2003

Overview of Ceramic Oxide Materials and Transition Metal Dichalcogenides for Potential Thermoelectric Applications

**Terry M. Tritt**

2003 DARPA DTEC Kickoff Meeting
Las Vegas NV; December 8-11th, 2003

Introduction to Thermoelectric Materials

**Terry M. Tritt**

South Carolina State University,
Orangeburg, SC, November 13, 2002

Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler alloys

**Terry M.Tritt, S.Bhattacharya, Y.Xia, V. Ponnambalam, S.J.Poon**
and N. Thadhani
Proceedings of the 20th International Conference on Thermoelectrics, P 7, Bejing China, (June 8-11, 2001)
Invited Plenary talk at ICT-2001,

Overview of Thermoelectric Materials Research and Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler alloys

**Terry M.Tritt,**
Invited Talk at Asahi Chemical Company, Fuji City Japan (June 15, 2001)

Overview of Thermoelectric Materials Research and Effects of various Grain structure and Sizes on the Thermal Conductivity of Ti-based Half-Heusler alloys

**Terry M.Tritt**
Invited Talk at Osaka Research Institute, Osaka, Japan (June 14, 2001)
Invited Presentations (cont.)

Overview of Various Strategies for the Development of New Bulk Materials for Thermoelectric Applications

Terry M. Tritt
2001 Fall MRS Meeting, Symposium G, (G1.1)
Boston, MA, Nov. 30, 2001

Introduction to Thermoelectric Materials

Terry M. Tritt
Special Dept. of Energy Workshop on Future Directions in Thermoelectric Materials Research
Oak Ridge National Laboratory,
Oak Ridge, Tenn., January 10 & 11, 2000

The Next Generation Thermoelectric Materials Under Investigation at Clemson University

Terry M. Tritt
Special Dept. of Energy Workshop on Future Directions in Thermoelectric Materials Research
Oak Ridge National Laboratory,
Oak Ridge, Tenn., January 10 & 11, 2000

Electrical and Thermal Thermal Transport Rapid Measurement Equipment Using a Cryocooler Based Cooling System.

Terry M. Tritt and Roy T. Littleton, IV,
Quantum Design
San Diego, CA, January 14, 2000

The Synthesis Of Metastable Skutterudites and Crystalline Superlattices.

T. M. Tritt, H. Sellinschegg, Joshua R. Williams, Fred Harris, D.C. Johnson and M. Kaeser, and G.S. Nolas,
2000 Spring MRS Meeting, Symposium Z,
San Francisco, CA April XX, 2000

Transport and Thermoelectric Properties of Half-Heusler Phases Based on Transition Metals

2000 Spring MRS Meeting, Symposium Z,
San Francisco, CA April XX, 2000
Invited Presentations (cont.)

Strategies for the Investigation of New Bulk Materials for Thermoelectric Applications


Proceedings of the 19th International Conference on Thermoelectrics, P 5, Cardiff Wales, (August 20-24th, 2000)
Invited Plenary talk at ICT-2000,