

## PUBLICATIONS

- 1) "A New Mo(IV) Thioanion Containing the Mo = S<sub>t</sub> Unit. The Synthesis and Structural Characterization of (Et<sub>4</sub>N)<sub>2</sub>MoS<sub>t</sub>" E.D. Simhon, N.C. Baenziger, M.G. Kanatzidis, M. Draganjac and D. Coucouvanis *J. Am. Chem. Soc.* **1981** *103*, 1218-1219.
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- 651) " $(\text{Ag}_2\text{TeS}_3)_2 \square \text{A}_2\text{S}_6$  ( $\text{A} = \text{Rb}, \text{Cs}$ ): Layers of Silver Thiotellurite Intergrown with Alkali-Metal Polysulfides" S.L. Nguyen, J.I. Jang, J.B. Ketterson, M.G. Kanatzidis *Inorganic Chemistry* **2010** 49(20) 9098-9100.
- 652) "Indium Flux-Growth of  $\text{Eu}_2\text{AuGe}_3$ : A New Germanide with an  $\text{AlB}_2$  Superstructure" C.P. Sebastian, C.D. Malliakas, M. Chondroudi, I. Schellenberg, S. Rayaprol, R.D. Hoffmann, R. Pottgen, M.G. Kanatzidis *Inorganic Chemistry* **2010** 49(20) 9574-9580.

**PATENT ACTIVITY**

- 1) 1996-321044; US5531936-A  
Title: Alkali metal quaternary chalcogenides and process for the preparation thereof  
Assignee(s): Michigan State University  
Inventor(s): Marking, G.A.; Kanatzidis, M.G.; Liao, J.H.
- 2) 1997-201404; US5614128-A  
Title: Alkali metal quaternary chalcogenides and process for the preparation thereof  
Assignee(s): Michigan State University  
Inventor(s): Marking, G.A.; Kanatzidis, M.G.; Liao, J.H.
- 3) 1997-225379; US5618471-A  
Title: Alkali metal quaternary chalcogenides and process for the preparation thereof  
Assignee(s): Michigan State University  
Inventor(s): Marking, G.A.; Liao, J.H.; Kanatzidis, M.G.
- 4) 2000-363396; US6013204-A  
Title: Alkali metal chalcogenide of bismuth alone or with antimony  
Assignee(s): Michigan State University, Northwestern University  
Inventor(s): Kanatzidis, M.G.; Hogan, T.; Iordanidis, L.; Chung, D.Y.; Kannewurf, C.R.
- 5) 2001; US06312617  
Title: Conductive isostructural compounds  
Assignee(s): Michigan State University  
Inventor(s): Kanatzidis, M.G.; Chung, Duck-Young; DeNardi, Stephane; Sportouch, Sandrine
- 6) 2004-594178; WO2004067624-A2; US20060072442-A1  
Title: Phase change materials for storage media  
Assignee(s): Michigan State University  
Inventor(s): Kanatzidis, MG.
- 7) 2004-764548; US20040200519-A1; WO2004090998-A2; EP1616358-A2  
Title: Pb-Ge-Te compounds for thermoelectric generators or Peltier arrangements  
Assignee(s): Sterzel, H.; Kuhling, K.; Kanatzidis, M.G.; Chung, Duck-Young  
Inventor(s): Sterzel, H.; Kuhling, K.; Kanatzidis, M.G.; Chung, Duck-Young
- 8) 2005-342850; US20050076944-A1; WO2005036660-A2; WO2006036444-A2  
Title: Silver-containing p-type semiconductor  
Assignee(s): Kanatzidis, M.G.; Hsu, K. Michigan State University  
Inventor(s): Kanatzidis, M.G.; Hsu, Kuei-Fang
- 9) 2007-025066; US20060272697-A1; WO2006133031-A2; WO2006133031-A3  
Title: Thermoelectric compositions and process  
Assignee(s): Michigan State University  
Inventor(s): Kanatzidis, M.G.; Androulakis, John; Sootsman, Joseph R.
- 10) 2007; US20070107764  
Title: Silver-containing thermoelectric compounds  
Assignee(s): Michigan State University  
Inventor(s): Kanatzidis, Mercouri; Hsu, Kuei-Fang
- 11) 2007; USRE39640

- Title: Conductive isostructural compounds  
 Assignee(s): Michigan State University  
 Inventor(s): Kanatzidis, Mercouri G.; Chung, Duck-Young; DeNardi, Stephane; Sportouch, Sandrine
- 12) 2007; US20070227577  
 Title: Pb-Te-compounds doped with tin-antimony-tellurides for thermoelectric generators or peltier arrangements  
 Assignee(s): BASF Aktiengesellschaft and Michigan State University  
 Inventor(s): Sterzel, Hans-Josef; Kuehling, Klaus; Kanatzidis, Mercouri G.; Chung, Duck-Young
- 13) 2008; US7326851  
 Title: Pb-Ge-Te-compounds for thermoelectric generators or Peltier arrangements  
 Assignee(s): BASF Aktiengesellschaft and Michigan State University  
 Inventor(s): Sterzel, Hans-Josef; Kuehling, Klaus; Kanatzidis, Mercouri G.; Chung, Duck-Young
- 14) 2009 us 2009095684-A1  
 Title: New chalcogenide compound for treatment of wastes with extremely low yet highly toxic mercury concentrations  
 Assignee: Northwestern University  
 Inventor(s): Ding, Nan; Kanatzidis, M.; Manos, E.
- 15) 20080241050  
 Title: Semiconducting Aerogels from Chalcogenide Clusters with Broad Applications  
 Assignee: Northwestern University  
 Inventor(s) Kanatzidis, Mercouri; Bag, Santanu

### ***Invited Talks***

- 140) University of Montpellier, Montpellier, France, March 1996.  
 141) Institute des Materiaux de Nantes, Nantes, France, March 1996.  
 142) University of Nantes, Nantes, France, May 1996.  
 143) University of Caen, Caen, France, May 1996.  
 144) University of Bonn, Bonn, Germany, May 1996.  
 145) University of Bochum, Bochum, Germany, May 1996.  
 146) University of Muenster, Munster, Germany, May 1996.  
 147) University of Bielefeld, Bielefeld, Germany, May 1996.  
 148) University of Duisburg, Duisburg, Germany, May 1996.  
 149) Inorganic Gordon Conference, July 1996  
 150) Materials Research Society Meeting, Symposium on Solid State Inorganic Materials, December 1996, Boston.  
 151) University of Southern California, January 1997  
 152) Florida State University February 1997  
 153) University of Puerto Rico, February 1997  
 154) Materials Research Society Meeting, Symposium on Thermoelectric Materials, San Francisco, April 1997.  
 155) Iowa State University, April 1997  
 156) High Temperature and Solid State Chemistry Conference, Ann Arbor, June 1997  
 157) Central Regional ACS Meeting, Midland MI, Symposium on Nanostructured Materials, D. Curtis, S. Lee organizers., June 1997.  
 158) International Thermoelectrics Society Meeting, Dresden, Germany, August 26-29.  
 159) Eastman Kodak Co., September 1997.  
 160) University of Texas Austin, October 1997.  
 161) Texas A&M University, October 1997.  
 162) NSF Workshop on Solid State and Materials Chemistry, Wash. D. C., January 1998.  
 163) Clemson University, Clemson, South Carolina, February 1998.  
 164) Cornell University, Ithaca, NY, March 1998.

- 165) Frontiers in Science Workshop for High School Teachers, April 3-4, 1998.
- 166) Gordon Conference in Solid State Chemistry, July 1998, Colby Sawyer College, New London, NH.
- 167) International Conference on Coordination Chemistry" Florence Italy, September 1998.
- 168) University of Minnesota, October 1998
- 169) Materials Research Society Meeting, Fall 1998 Boston: Invited Lecture in Symposium on "Inorganic Solid State Materials"
- 170) Oakland University, Rochester MI, February 1999.
- 171) University of North Carolina, Chapel Hill, February 1999.
- 172) Wake Forest University, Winston-Salem, NC, February 1999.
- 173) North Carolina State University, Raleigh, February 1999.
- 174) Pennsylvania State University, March 1999.
- 175) Exxon Research and Engineering Corp., March 1999.
- 176) Rational Design of Materials, Knowledge Foundation, Philadelphia PA, May 1999
- 177) University of Thessaloniki, June 1999
- 178) University of Crete, June 1999
- 179) International Conference on Solid State Ionics, Halkidiki, Greece, June 1999.
- 180) International Conference on Thermoelectrics, Baltimore Maryland, August 31-Sept 3, 1999
- 181) EUCHEM Conference on the Reactivity of Microporous Materials, Plenary Speaker, Madrid Spain, September 1999.
- 182) NSF Workshop in Materials Chemistry, Minneapolis MN, October 1999.
- 183) University of Notre Dame, South Bend IN, December 1999. Lecture on Advanced Thermoelectrics.
- 184) DOW Chemical Company, December 1999. Lecture on Advanced Thermoelectrics.
- 185) University of California Los Angeles, Los Angeles, CA, January 2000. Lecture on Advanced Thermoelectrics.
- 186) University of California Irvine, Irvine, CA, January 2000. Lecture on Advanced Thermoelectrics.
- 187) University of California San Diego, San Diego, CA, January 2000. Lecture on Advanced Thermoelectrics.
- 188) University of Cincinnati, OH. Dept. of Electrical Engineering, February 2000. Lecture on Advanced Thermoelectrics.
- 189) ACS National Meeting, San Francisco, CA, March 2000. Invited Lecture in Symposium on "Synthetic Methods in Solid State Chemistry"
- 190) Northwestern University, April 14, 2000. Lecture on Advanced Thermoelectrics.
- 191) Materials Research Society Meeting, April 2000. Lecture on Thermoelectrics.
- 192) Brandeis University, May 2000, Lecture on Advanced Thermoelectrics.
- 193) Canadian Chemical Society Meeting, Calgary Canada, June 2000, Symposium on Functional Solids.
- 194) 9th International Conference on Inorganic Ring Systems, Saarbruecken, Germany, July 2000.
- 195) Wayne State University, October 2000, Lecture on Synthesis in Liquid Aluminum
- 196) University of Waterloo, October 2000, Lecture on "Solid State Chemistry and Thermoelectrics"
- 197) University of Michigan, February 2001, , Lecture on "Solid State Chemistry and Thermoelectrics"
- 198) University of Windsor, February 2001, Lecture on "Lamellar and Non-lamellar Nanocomposites"
- 199) Penn State University, Frontiers in Materials Lecturer, State College Lecture on "Lamellar and Non-lamellar Nanocomposites" March 2001.
- 200) ACS National Meeting, San Diego, CA. Tobin Marks Awards Symposium, April 2001.
- 201) ACS National Meeting, San Diego, CA. John Fackler Awards Symposium, April 2001.
- 202) ACS National Meeting, San Diego, CA. Symposium on Impact of Solid State Chemistry to Technology, April 2001.
- 203) University of Michigan, April 2001, , Lecture on "Synthetic Adventures in Liquid Aluminum"
- 204) University of Ioannina, Lecture on New Thermoelectric Materials, June 2001, Ioannina, Greece.
- 205) Lecture on "Novel layered chalcogenides. Disorder and superstructures everywhere" in From Semiconductors to Proteins: Beyond the Average Structure A workshop sponsored by Michigan State University Traverse City, MI, July 28th - August 1st, 2001.
- 206) University of Kiel, October 2001, Kiel, Germany.
- 207) University of Muenster, October 2001, Muenster, Germany.
- 208) Lecture on "Novel layered chalcogenides. Disorder and superstructures everywhere" in Workshop on Ionic Motion in Glasses, SFB sponsored, Muenster, Germany.
- 209) Lecturer in Linus Pauling Symposium to Honor Prof. Tobin J. Marks, November 2001, Portland, Oregon.
- 210) Lecture on New Thermoelectric Materials. Kalamazoo College, November 2001.

- 211) Invited Lecturer in Symposium on New Thermoelectric Materials, Materials Research Society Meeting, November 2001 Boston, MA.
- 212) Invited Speaker in Workshop on Direct Energy Conversion (ONR, DARPA Sponsors), Alexandria, Virginia December 2001.
- 213) Case Western Reserve University, Department of Physics Colloquium, February 2002.
- 214) Georgia Tech, Colloquium, March 2002.
- 215) Universite de Nantes, June 2002, France.
- 216) Universite Pierre et Marie Curie, 4 place Jussieu, Paris, France.
- 217) University of Bourdeaux, June 2002, France.
- 218) Central Michigan University, Dept. of Physics Colloquium, November 2002.
- 219) University of Michigan, Dept. of Physics Colloquium, January 2003.
- 220) February 2003, University of Muenster, Germany, "Research in New Intermetallic Compounds".
- 221) February 2003, Max Planck Institute, Stuttgart, Germany, "Role of Solid State Chemistry in Thermoelectrics Research".
- 222) March 2003, Haemdsarmel Kolloquium, Dormund, Germany, "Phase Homologies".
- 223) March March 2003, ACS National Meeting, New Orleans "Phase Homologies".
- 224) March March 2003, ACS National Meeting, New Orleans "Non-oxidic Mesostructured Solids".
- 225) April 2003, University of Aachen, Germany, "Role of Solid State Chemistry in Thermoelectrics Research".
- 226) April 2003, Conference on Non-crystalline Solids, Bonn, Germany, "Application of the Pair Distribution Analysis Technique".
- 227) May 2003, University of Cologne, Germany, "Role of Solid State Chemistry in Thermoelectrics Research".
- 228) May 2003, Max Planck Institute, Dresden, Germany, "Role of Solid State Chemistry in Thermoelectrics Research".
- 229) May 2003, University of Regensburg, Germany, Distinguished Lecturer (2 lectures)"Role of Solid State Chemistry in Thermoelectrics Research"/"New Synthesis Approaches in Solid State Inorganic Chemistry"
- 230) July 2003, "Physics of Advanced Materials" Summer School, Thessaloniki Greece.
- 231) 39th IUPAC Congress 86th Conference of The Canadian Society
- 232) September 2003, "Gordon Research Conference in Solid State Chemistry-II" Oxford, UK
- 233) Hillsdale College, Hillsdale MI, "Advances in Solid State Chalcogenide Chemistry"
- 234) December 2003, Boston, Materials Research Society Symposium on Thermoelectric Materials.
- 235) December, 2003, Las Vegas, DARPA Workshop on Thermoelectric Power Generation
- 236) April 2004, Du Pont Company, Delaware, "Thermoelectric Materials for Power Generation"
- 237) June 2004. Molecular Electronics and Electronic Materials Symposium (6/2-3/04), IUPUI, American Chemical Society Meeting, Indianapolis IN.
- 238) July 2004. ACA 20th July 2004 'Materials for the 21st Century, Chicago.
- 239) International Workshop in Intermetallics, Sigtuna Sweden, September 2004.
- 240) Washington University, Saint Louis, October 2004, Colloquium
- 241) Materials Research Society Meeting, Symposium on Inorganic Solid State Materials, December 2004.
- 242) December, 2004, San Diego, DARPA Workshop on Thermoelectric Power Generation.
- 243) February 2005, Oberlin College, Oberlin OH, "[Energy from Waste Heat and Solid State Chemistry: The Search for New Thermoelectric Materials](#)"
- 244) March 2005, Harvard University, Colloquium, Dept. of Applied Physics.
- 245) April 2005, Northwestern University, Colloquium, Dept of Chemistry.
- 246) April 2005, Distinguished Lecturer at United Technologies Research Center, Hartford CT.
- 247) May 2005. University of Notre Dame, Midwest Solid-State Chemistry Conference 2005. The Metal Flux - A Preparative Tool for the Exploration of Intermetallic Compounds.
- 248) July 2005, Athens, Greece. 8th FIGIPAS Meeting in Inorganic Chemistry, which will be held in Athens, Greece, 6-9 July 2005. Recent Advances in Thermoelectric Materials.
- 249) Plenary Lecturer, 15th International Symposium, Boron, Borides and Related Compounds, ISBB 2005, Hamburg, 21-26 August 2005.
- 250) December 2005 Invited speaker, Materials Research Society Conference, Symposium on Thermoelectric Materials, Boston, MA.
- 251) February 2006, Arizona State University, Colloquium, Dept of Chemistry.
- 252) 2006 ACS National Meeting, Symposium on Phase change materials, San Francisco, CA.
- 253) March 2006, Invited speaker, American Physical Society, Session on emerging energy materials. Baltimore, MD.

- 254) April 6, 2006, Texas A&M University, Colloquium, Dept of Chemistry.
- 255) April 11, 2006, Purdue University, Colloquium, Dept of Chemistry.
- 256) May 2006, Conference on Nanomaterials for Defense Applications, Invited Speaker, Virginia Beach, VA.
- 257) June 2006, Energy Nanotechnology International Conference, Keynote speaker, Massachusetts Institute of Technology (MIT), Cambridge, MA.
- 258) August 2006, Direct Energy Conversion Workshop, Coronado, CA.
- 259) September 2006, Air Force Research Laboratory, Colloquium, Dayton, OH.
- 260) October, 2006, Invited speaker, Pittsburgh Diffraction Conference, Pittsburgh, PA.
- 261) December 2006, Nanostructured LAST and PbTe-based Thermoelectrics for Power Generation J. R. Sootsman, P. F. P. Poudeu, M. K. Han, H.J. Kong, C. Uher, A. Downey, J. J. D'Angelo, C.-I Wu, T. P. Hogan, R. Fen, E. Case, E. Timm, H. Schock, M. G. Kanatzidis, MRS Meeting Symposium on Solar Energy Conversion, Boston, MA.
- 262) February 2007, Air Force Research Laboratory Workshop on Reconfigurable Materials, Albuquerque, NM.
- 263) February 2007, Naval Research Laboratory, "What to expect from Exploratory Synthesis. From Chalcogenides to Intermetallics to Thermoelectrics", Washington, D.C.
- 264) April 2007, "What to expect from Exploratory Synthesis. From Chalcogenides to Intermetallics to Thermoelectrics", Materials Science Division, Argonne National Laboratory, Argonne, Illinois.
- 265) May 2007, DARPA/MTO Components from Thermoelectric Materials Workshop "Recent Progress in Advanced Thermoelectric Materials", Washington, D.C.
- 266) May 2007, Canadian Chemical Society Meeting, Symposium on Energy Conversion, "Nanostructured Thermoelectrics for Thermal to Electrical Energy Conversion", Winnipeg, Canada.
- 267) June 2007, Stable Nanostructured Thermoelectrics J. Sootsman, F. Poudeu, C.-I Wu, H.-J. Kong, C. Uher, T. Hogan, D. Y. Chung, and M. G. Kanatzidis, Electronic Materials Conference, Notre Dame, IN.
- 268) June 2007, "The Quest for Porous Semiconductors", Plenary Lecture in ISIC-14, International Symposium on Intercalation Compounds, Seoul, S. Korea.
- 269) July 2007, The Quest for Porous Semiconductors, Department of Chemistry, University of Crete.
- 270) August 2007, Direct Energy Conversion Workshop, Vail, CO.
- 271) September 2007, Energy from Waste Heat: Solid State Chemistry and Thermoelectrics, Keynote Lecture, German Chemical Society Meeting, Ulm, Germany.
- 272) September 2007, Colloquium Speaker, University of Marburg, Marburg, Germany.
- 273) September 2007, Colloquium Speaker, University of Giessen, Giessen, Germany.
- 274) October 2007, Chemistry Division Seminar Argonne National Laboratory.
- 275) October 2007, "The Promise of Exploratory Synthesis" Regional Opportunities in Materials Synthesis, Argonne National Laboratory.
- 276) October 2007, "Energy from Waste Heat" Dow Corning, Midland, Michigan.
- 277) November 2007 - MRS Meeting, Boston, MA
- 278) December 2007, "High Performance Nanostructured LAST materials", Thermoelectric Materials Symposium.
- 279) January 2008, "Energy from Waste Heat", Department of Chemistry, University of Chicago, Chicago, IL.
- 280) February 2008. UCSB-MPG Workshop on Inorganic Materials for Energy Conversion, Storage, and Conservation, UCLA Lake Arrowhead Conference Center in Lake Arrowhead, CA.
- 281) February 2008, "What to Expect from Exploratory Synthesis" and "Nanostructured Thermoelectrics for Power Generation", University of Northern Iowa, Sigma Xi Lecturer.
- 282) February 2008, "Nanostructured Thermoelectrics for Power Generation", University of California Berkeley.
- 283) March 2008, Plenary Lecture, Zing Solid State Chemistry Conference, Cancun, Mexico.
- 284) March 2008 Spring MRS Symposium KK, Energy Harvesting--From Fundamentals to Devices.
- 285) April 2008, "Growing Nanocrystals Inside Crystals", ACS National Meeting, New Orleans, LA. Symposium on Nanomaterials
- 286) April 2008, "Porous semiconductors" ACS National Meeting, New Orleans, LA. ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry in Honor of Tobin J. Marks.
- 287) April 2008, "What to Expect from Exploratory Synthesis," Colloquium, Department of Materials Science and Engineering, Northwestern University
- 288) April 2008, "The metallic flux as a synthesis tool for intermetallics", Colloquium, Department of Chemistry, University of Delaware

- 289) May 2008, "Quaternary nanocrystals of the thermoelectric materials  $\text{AgPb}_m\text{SbTe}_{m+2}$ : phase-segregated or solid solutions? Pair Distribution Function in Complex Materials Workshop, Arizona State University, Tempe, AZ
- 290) May 2008, Plenary Lecture, Nanoporous Materials V, "The Quest for Porous Semiconductors", Vancouver, British Columbia
- 291) June 2008, International Symposium on Structure-Property Relationships in Solid State Materials, "Energy from Waste Heat: Bulk Thermoelectric Nanostructures", Nantes, France
- 292) June 2008, NSF Summer Institute on Nanomechanics, Nanomaterials and Micro/Nanomanufacturing. Lectures on Challenge and Nanotechnology, Northwestern University, Evanston, IL
- 293) August 2008, International Conference on Thermoelectrics, "Nanostructured lead chalcogenides for efficient thermoelectric power generation applications", Corvallis, OR
- 294) October 2008, Colloquium, University of Illinois, Urbana Champaign, IL
- 295) November 2008, Colloquium, University of Aarhus, Denmark
- 296) December 2008, MRS Meeting, Boston, MA
- 297) December 2008, Direct Thermal-to-Electric Energy Converstion Program Review & Workshop, Monterrey, CA
- 298) February 2009, Munich, Germany
- 299) February 2009, AMS Winterschool, Alps, Austria
- 300) February 2009, Colloquium, Environmental Engineering Department, Northwestern University, Evanston, IL
- 301) April 2009, Colloquium, University of Pittsburgh, "The Quest for Porous Semiconductors", Pittsburgh, PA.
- 302) April 2009, Materials Research Society Meeting, San Francisco, CA
- 303) April 2009, Initiative for Sustainability and Energy at Northwestern University, Argonne National Laboratory, Argonne, IL
- 304) June 2009, North American Solid State Chemistry Conference, Ohio State University
- 305) June 2009, Gordon Research Conference, "The Quest for Porous Semiconductors", Biddeford, ME
- 306) August 2009, 42<sup>nd</sup> IUPAC Congress Chemistry Solutions, "From heat to electricity: Bulk thermoelectric nanostructures", Glasgow, UK
- 307) August 2009, 17<sup>th</sup> American Conference on Crystal Growth and Epitaxy, Lake Geneva, WI.
- 308) August 2009, American Chemical Society Meeting "Materials discovery in intermetallics using liquid metals as solvents", Washington, D.C.
- 309) October 2009, DTRA-Basic Research Technical Review "Novel Semiconductor Chalcogenide Materials for Gamma Ray Detection", Springfield, Virginia.
- 310) November 3 & 4, 2009, Direct Thermal-to-Electrical Energy Conversion (DTEC), Washington, D.C.
- 311) November 18, 2009, University of Wisconsin, Madison, WI
- 312) December 3, 2009, Talk @ UOP R&D, Des Plaines, IL
- 313) December 10, 2009, Talk @ National Institute of Standards and Technology (NIST) "Power from waste heat with nanostructured thermoelectrics" Gaithersburg, MD
- 314) January 27, 2010, "Thermal to Electrical Energy Conversion with Nanostructure Semiconductors: Phonon Blocking Electron Transmitting Materials", Distinguished Speaker Series, Electrical Engineering & Computer Science Department, Northwestern University, Evanston, IL
- 315) February 11, 2010 Talk @ Stanford University
- 316) April 2010, Materials Research Society Meeting, San Francisco, CA
- 317) April 12, 2010, 3rd Annual Academic Research Initiative (ARI) Grantees Conference, Alexandria, Virginia.
- 318) May 24, 2010, National Synchrotron Light Source User's Meeting, "Understanding and Controlling Nanoscale Fluctuations in Thermoelectric Materials", Brookhaven National Laboratory, Upton, New York
- 319) June 23, 2010, Weizmann Institute, Israel
- 320) August 5, 2010, Gordon Research Conference, New London, NH
- 321) August 12, 2010, DTRA Basic Research Tech Review, Springfield, VA
- 322) October 1, 2010, Renewable Sciences & Tech Workshop at Harvard, Cambridge, MA
- 323) November 2010, Materials Research Society Meeting, Boston, MA

**Service:**

- Invited Panelist for 1992 NSF Young Investigator Awards, Washington, D.C., March 1992.
- Invited Review Panelist for 1992 DOE Research Projects (Panel 9), Bethesda, Maryland, September 1992.
- Invited Panelist for 1995 NSF Program on Environmentally Conscious Manufacturing, Washington, D.C., August 1995.
- Co-organizer of Symposium on “Synthesis and Reactivity of Non-Oxidic Solids”, ACS National Meeting, Chicago, August 1995.
- American Chemical Society, Div. of Chemical Education, Examinations Institute: 1996 Inorganic Chemistry Committee.
- Invited Panelist for 1996 NSF competition for International Programs, July 1996.
- American Chemical Society, Div. of Chemical Education, Examinations Institute Cmte: 1996.
- Co-organizer of Symposium on “Thermoelectric Materials and Devices”, Materials Research Society Meeting, San Francisco, April 1997.
- Review Panelist for the Beckman Foundation to Select the “Beckman Young Investigators” Fall 1997.
- Participant in the NSF-DMR Sponsored Workshop on the “Future of Solid State and Materials Chemistry”. January 1998.
- Review Panelist for the Beckman Foundation to Select the “Beckman Young Investigators” Fall 1998.
- Co-organizer of Symposium on “Thermoelectric Materials and Devices”, Materials Research Society Meeting, Boston, December 1998.
- Review Panelist for the Department of Energy, Carbon Management Program, Gaithersburg Maryland, May 1999.
- American Chemical Society, Div. of Chemical Education, Examinations Institute: 2003 Inorganic Chemistry Committee.
- Editor-in-Chief Journal of Solid State Chemistry since 1997.
- American Chemical Society, Div. of Chemical Education, Examinations Institute Cmte: 2003 Inorganic Chemistry Committee.
- Organizer: “New Thermoelectric Materials Workshop Chemistry, Physics and Materials Science of Thermoelectric Materials: Beyond Bismuth Telluride “A workshop sponsored by Michigan State University. Held in Traverse City, Michigan, August 17-21, 2002.
- Organizer: “Midwest High Temperature and Solid State Chemistry Conference”, May 29-31, 2003, East Lansing, MI
- DOE Panel to Review the Materials Chemistry and Physics Program of Ames Lab, Iowa State University, June 2004.
- Co-organizer: Materials Research Society: Solid-State Chemistry of Inorganic Materials V Editors: Jing Li, Nathaniel E. Brese, Mercouri G. Kanatzidis, Martin Jansen
- Michigan State University: Member of the Provost Search Committee 2004-2005.
- DOE workshop: Basic Research Needs for Effective Solar Energy Utilization area Subpanel on Materials Synthesis and Processing, April 18-21, 2005 in the Washington, D.C. Sponsored by DOE's Office of Basic Energy Sciences (BES).
- Co-organizer of NSF sponsored workshop to review status and future of solid state chemistry, June 2006. A report was prepared and delivered to NSF Fall of 2006.  
(<http://chemgroups.northwestern.edu/poepelmeier/dmr/>)
- Organizer of the Summer 2008 Gordon Research Conference in Solid State Chemistry
- DOE Panel Reviewer 2009

#### **RESEARCH GROUP INFORMATION**

Twenty six students earned PhDs under my supervision

Four received Masters degrees

More than 60 Postdoctoral Fellows studied with me

More than 30 undergraduates gained research experience in my laboratories  
(eight female alumni in faculty positions)

#### **CURRENT GROUP SIZE**

14 Graduate Students

14 Postdocs