

Invited Lectures

1. 241st ACS meeting, Division of Physical Chemistry, Anaheim, CA, Tuning and Quenching Entanglement of Dipole Arrays, March 30, 2011
2. Computer Science Department, Purdue University, Quantum Information and Quantum Computation, March 9, 2011.
3. Department of Physics, King Saud University, Riyadh, Saudi Arabia, Finite Size Scaling and Stability of Atomic and Molecular Systems in Superintense Laser Fields. December, 19, 2010.
4. King Abdullah Institute for Nanotechnology, Riyadh, Saudi Arabia, Research Projects in Birck Nanotechnology Center at Purdue, December 20, 2010.
5. Department of Physics (Malaz), King Saud University, Riyadh, Saudi Arabia, Quantum Information and Quantum Computation: Toward Realizing a Quantum Computer, December, 21 2010.
6. Department of Physics, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, Finite Size Scaling, December 25, 2010.
7. Department of Physics, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, Quantum Information and Computation, December 26, 2010.
8. Department of Physics, East China Normal University, China, Finite Size Scaling and Quantum Criticality, November 25, 2010.
9. Chinese Academy of Engineering Physics, Mianyang, China, Stability of Atomic and Molecular Systems in Superintense Laser Fields, November 26, 2010.
10. TMAU/Princeton Summer Workshop on Quantum Optics and Molecular Physics, “Quantum Information for Quantum Chemistry“ Casper, Wyoming, July 25-31, 2010.
11. TMAU/Princeton Summer Workshop on Quantum Optics and Molecular Physics, “Finite Size Scaling and Quantum Criticality at the Large-D Limit and $D=3$ ” “Casper, Wyoming, July 25-31, 2010.
12. TMAU/Princeton Summer Workshop on Quantum Optics and Molecular Physics, “Open Problems and Prospects for Linking D-Scaling with other Methods“ Casper, Wyoming, July 25-31, 2010.
13. Chair: 42nd Midwest Theoretical Chemistry Conference, Department of Chemistry, Purdue, May 20-22, 2010.
14. Department of Physics, Purdue, “Quantum Information for Quantum Chemistry”, February 11, 2010.

15. The 41st Midwest Theoretical Chemistry Conference, "Finite Size Scaling and Quantum Criticality", Southern Illinois University, Carbondale Illinois, May 28-30, 2009.
16. 101st Statistical Mechanics Conference, "Finite Size Scaling and Quantum Criticality", May 10-12, 2009, Rutgers University.
17. Fritz Haber Institute of the Max Planck Society, Department of Molecular Physics, Berlin, Germany "Finite Size Scaling and Quantum Criticality", December 12, 2008.
18. Ruhr University, Institute for Theoretical Chemistry, Bochum, Germany "Finite Size Scaling and Quantum Criticality", December 3, 2008.
19. Atomic Physics Workshop 2008, Max Planck Institute for Physics of Complex Systems, Dresden, Germany "Finite Size Scaling in Atomic and Molecular Physics", November 24-28, 2008.
20. Technical University of Dresden, Department of Physics, "Finite Size Scaling and Quantum Computing", November 13, 2008.
21. Technical University of Munich, Institute for Measurement Systems and Sensor Technology, Munich, Germany, "Finite Size Scaling and Quantum Computing", October 22, 2008.
22. University of Heidelberg, Institute for Theoretical Chemistry, Universitaet Heidelberg, Germany, "Finite Size Scaling and Quantum Criticality", October 20, 2008.
23. Freie Universitaet Berlin, Department of Chemistry, Berlin, Germany "Finite Size Scaling in Quantum Mechanics", September 10, 2008.
24. Max Planck Institute for Physics of Complex Systems, Dresden, Germany "Quantum Criticality", August 22, 2008.
25. University of Chicago, James Franck Institute (JFI), "Suppose We Build a Quantum Computer, How Chemistry Can Benefit From Such a Computer", June 10, 2008.
26. Santa Fe Institute, "Finite Size Scaling and Quantum Criticality", February 7, 2008.
27. Harvard-MIT-BU-BC Theory Seminar, "Finite Size Scaling in Quantum Mechanics", November 26, 2007.
28. Purdue University, Electrical and Computer Engineering, Nano501 "Finite Size Scaling and Quantum Criticality", November 12, 2007.
29. Illinois Institute of Technology, Physical Sciences, "Finite Size Scaling for Atomic and Molecular Systems", October 25, 2007.
30. Illinois Institute of Technology, Chemical Engineering, "Quantum Phase Transition and Stability of Atomic and Molecular Systems", September 5, 2007

31. Technion, Department of Chemistry, "Finite Size Scaling in Quantum Mechanics", June 24, 2007.
32. Lewiner Institute of Theoretical Physics, Technion, Correlated Electrons Day, "Finite Size Scaling in Quantum Mechanics", June 21, 2007.
33. Yarmouk University, Jordan, "Quantum Phase Transition and Stability of Atomic and Molecular Systems", May 29, 2007.
34. APS March Meeting 2007, Denver, Colorado, March 5-9, 2007. Session W21: General Theory: Electronic Structure and Interactions "Finite Size Scaling with Gaussian Basis Set"
35. Princeton-TAMU Foundations of Quantum Mechanics Symposium, "Dimensional Scaling for Stability of Atomic and Molecular Systems", Princeton, 16-17 February 2007.
36. Department of Chemistry, Purdue University, West Lafayette "Finite Size Scaling for Stability of Atomic and Molecular Systems", February 7, 2007.
37. 38th Midwest Chemistry Conference, "Entanglement and electron Correlation in Quantum Chemistry calculations", Ohio State University Campus, Columbus Ohio, June 15-17, 2006
38. The 36th Winter Colloquium on the Physics of Quantum Electronics, "Entanglement as a measure of electron-electron correlation", Snowbird, Utah, January 2-6, 2006.
39. 230th ACS meeting, Washington DC, Aug. 28-Sept. 1, 2005, "Finite Size Scaling for Critical Phenomena in Negative Ion Clusters"
40. Casper College-Texas A M University Quantum Optics Summer Workshop, August 14-August 20, 2005, "Finite Size Scaling in Quantum Mechanics"
41. University of Berkeley, Berkeley, CA Department of Chemistry and Pitzer Center for Theoretical Chemistry. June 24, 2005. Berkeley Quantum Information and Computation Seminar, "Tuning Entanglement for Magnetic Systems"
42. Stanford University, CA, Department of Chemistry June, 23, 2005, "Finite Size Scaling in Quantum Mechanics"
43. Purdue University, Computer Science and Engineering Spring 2005 Seminar Series, April 27, 2005 "Quantum Computing"
44. Department of Chemistry, Purdue University, West Lafayette "Finite Size Scaling in Quantum Mechanics", March 9, 2005.

45. JSPS-PRISM-TAMU Symposium on Quantum materials Science, in the Honor of Prof. Dudley Herschbach, Princeton, 21-22 February 2005. "Critical Phenomena at the Large Dimensional Limit"
46. Department of Chemistry, Technion, July 27, 2004 "Tuning the Entanglement for magnetic Systems"
47. Department of Chemistry, Technion, July 25, 2004 "Finite Size Scaling and Stability of Atomic and Molecular Ions"
48. Department of Chemistry, Purdue University, West Lafayette "Finite Size Scaling in Quantum Mechanics", March 24, 2004.
49. Kansas State University, Department of Chemistry Manhattan KS 66506-3701, "Finite Size Scaling for Stability of Atomic and Molecular Systems", March 18, 2004
50. WISICT 2004, Winter International Symposium on Information and Communication Technologies, Cancun, Mexico, January 5th-8th, 2004 "Scaling of Entanglement at Quantum Phase Transitions"
51. WISICT 2004, Winter International Symposium on Information and Communication Technologies, Cancun, Mexico, January 5th-8th, 2004 Chair: Workshop on Quantum Information Processing
52. Department of Mathematics, Purdue University, West Lafayette "Finite Size Scaling in Quantum Mechanics", October 3, 2003.
53. NASA JET PROPULSION LABORATORY, California Institute of Technology "Scaling of Entanglement at Quantum Phase Transitions", August 15, 2003.
54. Workshop on Quantum Computing, "Tuning the Entanglement for magnetic Systems" University of Notre Dame, Notre Dame, IN, August 7, 2003
55. Ohio Section of the APS Spring Meeting, April 11-12, 2003 Michigan State University "Tuning the Entanglement for a 1D magnetic System with Anisotropic Coupling and Impurities"
56. International Symposium on Frontiers in Molecular Science 2002, Ocean University of Qingdao, China, July 15-18, 2002 (invited by Dr. Shu-Kun Lin, Chairman of the Executive Committee)
57. Florida State University, Department of Chemistry, "Quantum Critical Phenomena and Stability of Atomic and Molecular Ions" (invited by Prof. Sanford Safran)
58. The University of British Columbia, Department of Chemistry, Vancouver, Canada, June 10, 2002 "Finite Size Scaling and Renormalization Group for Quantum Critical Phenomena"

59. The 85th Canadian Society for Chemistry (CSC) Vancouver, June 1 to 5, 2002 , computational chemistry symposium, "Quantum Critical Phenomena and Stability of Atomic and Molecular Ions"
60. 2002 DAMOP Annual Meeting, May 29-June 1 Williamsburg, VA meeting of the APS "Finite Size Scaling for Atomic and Molecular Systems"
61. University of Wisconsin-Madison, Department of Chemistry, Madison, WI, May 20, 2002, "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
62. ONR Program Review, Arlington, Virginia, April 30- May 3, 2002 "Critical Phenomena and Renormalization Group Approach for Electronic Structure calculations"
"Finite Size Scaling for Quantum Critical Phenomena"
63. Carnegie Mellon University, Department of Chemistry, Pittsburgh, Pennsylvania April 11, 2002. "Quantum phase transitions and Stability of atomic and molecular systems"
64. APS March Meeting 2002, Indianapolis, IN, March 18, 2002 Session A31 (Chemical Physics of Complex Systems) "Finite Size Scaling in Quantum Mechanics"
65. APS March Meeting 2002, Indianapolis, IN, March 20, 2002 Session M20 (One Dimensional Theory) "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
66. Sanibel Symposium 2002 in Quantum Chemistry, Florida, February 23, 2002, Chair of plenary session on Multi-Scale Simulations
67. Illinois Institute of Technology, Department of Biological, Chemical and Physical Sciences, Chicago, IL, February 20, 2002 "Finite Size Scaling for Quantum Critical Phenomena"
68. Purdue University, CS& E Spring 2002 Seminar Series, February 13, 2002 "Finite Size Scaling for Quantum Critical Phenomena"
69. Department of Chemistry, University of Michigan, Ann Arbor, MI, November 8, 2001 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
70. Department of Chemistry, Wayne State University, Detroit, MI, November 7, 2001 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
71. Department of Chemistry, Rutgers University, Piscataway, NJ, June 19, 2001 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
72. Sanibel Symposium 2001 in Quantum Chemistry, Florida, February 28, 2001 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"

73. Purdue University, Department of Chemistry West Lafayette, IN, January 17, 2000 "Quantum Phase Transitions and Stability of Atomic and Molecular Ions".
74. Department of Chemistry, Hebrew University, Jerusalem November 28, 2000 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
75. Department of Chemistry, Ben Goroun University, November 15, 2000 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems"
76. Advances in Finite Time Thermodynamics, Jerusalem, November 12-14, 2000 "Quantum Phase Transitions at $T = 0$."
77. 2000 Midwest Thermodynamics and Statistical Mechanics Conference, Minneapolis, Minnesota, May 14-16,2000. "Finite Size Scaling for Critical Parameters of Simple Diatomic Molecules"
78. Department of Chemistry, Wabash College, Crawfordsville, IN 47933, Tuesday Feb. 29, 2000 "Recent Advances in Electronic Structure Theory".
79. Department of Chemistry, Indiana University Bloomington, Indiana 47405, Thursday, September 23, 1999 "Phase Transitions and Stability of Atomic and Molecular Ions."
80. Department of Chemistry and Physics, Indiana University, Bloomington, Indiana 47405, Friday, September 24, 1999 "Finite Size Scaling in Quantum Mechanics".
81. Technion Department of Chemistry, Sunday June 13, 1999 "Recent Advances in Density Functional Theory"
82. The Ohio State University Department of Chemistry Columbus, OH 43210, Monday, April 26, 1999 "Phase Transitions and Stability of Atomic and Molecular Ions".
83. Purdue University, Department of Physics West Lafayette, IN, January 29, 1999 "Phase Transitions and Stability of Atomic and Molecular Ions".
84. University of Illinois at Urbana-Champaign, Department of Chemistry Urbana, IL, December 2, 1998 "Phase Transitions and the Stability of Atomic and Molecular Ions".
85. Purdue University, Department of Chemistry West Lafayette, IN, September 7, 1998 "Phase Transitions and Stability of Atoms and Molecules".
86. 31st Midwest Theoretical Chemistry Conference Department of Chemistry, Purdue University Chair of the Conference.
87. University of California UCLA, Department of Chemistry Los Angeles, CA, March 11, 1998 "Phase Transitions and Stability of Atoms and Molecules".
88. The American Physical Society - 1998 March Meeting Los Angeles, CA 16-20 March, 1998 "Phase Transitions and Stability of Atomic and Molecular Negative Ions".

89. Southern Methodist University Department of Chemistry Dallas, Texas, April 23, 1998 "Phase Transitions and Stability of Atoms and Molecules".
90. Hebrew University, Department of Chemistry Jerusalem, December 22, 1997 "Phase Transitions and Stability of Atoms and Molecules".
91. Technion, Department of Chemistry, December 23, 1997 "Phase Transitions and Stability of Atoms and Molecules".
92. Ninth Annual Conference on Recent Developments in Electronic Structure Methods Cornell University, Ithaca, NY, May 31-June 2, 1997 "Finite Size Basis Set Scaling Ansatz for Atoms".
93. 30th Midwest Theoretical Chemistry Conference University of Illinois, Urbana-Champaign, May 22-24, 1997 "Comparison of Pivot Methods for Global Optimization (with
94. The American Physical Society - 1997 March Meeting Kansas City, MO 17-21 March, 1997 "A New Approach for Global Optimization".
95. 29th Midwest Theoretical Chemistry Conference Indiana University-Purdue University Indianapolis, May 30- June 1, 1996 "A New Approach to Global Minimization".
96. The American Physical Society: Atomic, Molecular and Optical Physics Indianapolis, Indiana, April 2, 1996 "Critical Phenomena for Electronic Structure at the Large-D limit".
97. The University of Illinois at Chicago Department of Chemistry Chicago, Illinois, March 7, 1996 "Dimensional Renormalization for the Treatment of Electron Correlation".
98. Purdue University: The Dean's Freshman Honors Seminar (SCI 110), Nov. 20, 1995 "New Challenges in Quantum Chemistry".
99. Molecular Quantum Mechanics: Methods and Applications University of Cambridge, England, 3-7 September 1995 "Charge Renormalization at the Large-D Limit for Electronic Structure Calculations".
100. Technion, Physics Department, June 13, 1995 "Dimensional Renormalization for Electronic Structure of Atoms and Molecules".
101. Regensburg University, Institute for Theoretical Chemistry Regensburg, Germany, May 22, 1995 "Dimensional Renormalization for Electronic Structure of Atoms and Molecules".
102. NATO Advanced Research Workshop on New Methods in Quantum Theory Halkidiki, Greece, May 14-19, 1995 "Dimensional Renormalization for Electronic Structure Calculations".

103. Northwestern University, XXVIII Midwest Theoretical Chemistry Conference Evanston, Illinois, May 11-13, 1995 "Charge Renormalization at the Large-D Limit for Electronic Structure Calculations".
104. Purdue University, Department of Physics West Lafayette, IN March 20, 1995 "Theoretical Problems in Frontier Research Involving Atoms, Molecules and Clusters".
105. Oregon State University, Department of Chemistry Corvallis, Oregon, April 14, 1993 "Electronic Structure Calculations by Density Functional Theory and Dimensional Scaling Methods".
106. Harvard University, Dudley Herschbach's 60th Birthday Cambridge, MA, July 1992 "Dimensional Scaling the Quasistationary States".
107. Cambridge University, Department of Chemistry Cambridge, England, June 1992 "Electronic Structure Calculations by Density Functional and Dimensional Scaling".
108. Cornell University, Department of Physics Ithaca, NY, March 3, 1992 "Electronic Structure Calculations by Density Functional and Dimensional Scaling".
109. M.I.T., Department of Chemistry Cambridge, MA, October 30, 1991 "Tunneling in Multi-Dimensional Systems".
110. New York University, Department of Physics New York, New York, October 21, 1991 "Dimensional Scaling Method in Atomic and Molecular Physics".
111. Orsted Institute, Department of Chemistry Copenhagen, Denmark, June 1991 Conference in Dimensional Scaling in Chemical Physics "Symmetry Breaking and Electronic Exchange Energy".

Other Presented Papers

112. Dynamics of entanglement in a two-dimensional spin system Xu Qing, Gehad Sadiak and sabre Kais, APS March Meeting, Texas, Marh 24, 2011.
113. 241st National ACS Meeting, Anaheim, CA, Decomposition of Unitary Matrices for Finding Quantum Circuits, March 30, 2011 (with Anmer Daskin).
114. 42nd Midwest Theoretical Chemistry Conference, Purdue, IN, Quantum Information and Quantum Computaion, may 20, 2010 (with Jing Zhu, Qing Xu and Anmer Daskin).
115. 41st Midwest Theoretical Chemistry Conference, Southern Illinois University, Carbon-dale, IL, Finite Size Scaling in Quantum Mechanics, May 28, 2009 (With Winton Moy and Jing Zhu).
116. 39th Midwest Theoretical Chemistry Conference Indiana University, Bloomington, June 28-30, 2007. "Quantum Algorithm for Obtaining the Energy Spectrum of Molecular System" (with Hefeng Wang)
117. 39th Midwest Theoretical Chemistry Conference Indiana University, Bloomington, June 28-30, 2007. "Finite Size Scaling and gaussian Basis Sets" (with Winton Moy)
118. 39th Midwest Theoretical Chemistry Conference Indiana University, Bloomington, June 28-30, 2007. "Dimensional Scaling Treatment of Stability of Atomic and An-ions Induced by Superintense Laser Fields" (with Qi Wei)
119. 39th Midwest Theoretical Chemistry Conference Indiana University, Bloomington, June 28-30, 2007. "Entanglement Amplification by external Interactions" (with Zhen Huang)
120. 39th Midwest Theoretical Chemistry Conference Indiana University, Bloomington, June 28-30, 2007. "Entanglement and Quantum Phase Transitions" (with Hefeng Wang)
121. Chair a seesion on Conductance in Molecules, The Fritz Haber Center, Hebrew University, June 11, 2007, and
122. Chair of a seesion on Electron Dynamics, The Quantum World in Real Time: Is it Accessible?, Safed, June 25, 2007.
123. APS March Meeting 2007, Denver, Colorado, March 5-9, 2007. Session W18: Theoretical Methods and Algorithms, with Hefeng Wang "Quantum Entanglement and Electron Correlation in Molecular Systems"
124. APS March Meeting 2007, Denver, Colorado, March 5-9, 2007. Session K1: Poster Session II, with Hefeng Wang "Quantum Teleportation in One-Dimensional Quantum Dots System"

125. Princeton-TAMU Foundations of Quantum Mechanics Symposium, Poster "Finite Size Scaling in Quantum Mechanics", Princeton, 16-17 February 2007.
126. 3rd International Congress of Nanotechnology, San Francisco "Quantum Teleportation using Quantum Dots", with Hefeng Wang, November 2, 2006.
127. 38th Midwest Chemistry Conference, "Finite Size Scaling in Quantum Chemistry", Ohio State University Campus, Columbus Ohio, June 15-17, 2006.
128. Nanostructured materials and nanotechnology Symposium, IMRC2006. with Zhen Huang "Entanglement Evolution under Fluctuation of external magnetic Field" August 22, 2006.
129. International Congress of Nanobiotechnology and nanomedicine, Poster with Hefeng Wang, "Quantum Teleportation in One-Dimensional Quantum Dots", San Francisco, June 19-21, 2006.
130. NASA INAC Molecular Conductivity and Sensor Workshop, Purdue University, July 27-29, 2005.
131. 37th Midwest Theoretical Chemistry Conference, June 16-18, 2005, University of Missouri-Columbia, MI "Dephasing of Entanglement Under Fluctuation of External Magnetic Field" Zhen Huang and Sabre Kais.
132. 37th Midwest Theoretical Chemistry Conference, June 16-18, 2005, University of Missouri-Columbia, MI "Finite Size Scaling with Gaussian Basis Set" Winton Moy and Sabre Kais.
133. 37th Midwest Theoretical Chemistry Conference, June 16-18, 2005, University of Missouri-Columbia, MI "Entanglement and Quantum Phase Transition in 1D Hubbard Model with Impurity" Hefeng Wang and Sabre Kais.
134. 37th Midwest Theoretical Chemistry Conference, June 16-18, 2005, University of Missouri-Columbia, MI "Tuning the Entanglement for 2D Array of Quantum Dots" David Lyvers and Sabre Kais.
135. 37th Midwest Theoretical Chemistry Conference, June 16-18, 2005, University of Missouri-Columbia, MI "Finite Size Scaling for Quantum Critical Phenomena in a Laser Field" Qi Wei and Sabre Kais.
136. Sanibel Symposium 2005 in Quantum Chemistry, Florida, March 5, 2005. "Tuning Entanglement for Magnetic Systems"
137. 36th Midwest Theoretical Chemistry Conference, June 17-19, 2004 "Dynamics of Entanglement for One-Dimensional Spin Systems in an External Time-Dependent Magnetic Field" with Zhen Huang

138. 36th Midwest Theoretical Chemistry Conference, June 17-19, 2004 "Finite Size Scaling for the Atomic Shannon Entropy", with Qicun Shi
139. 36th Midwest Theoretical Chemistry Conference, June 17-19, 2004 "Metal-Insulator Transition and Entanglement for a 2D array of Quantum Dots", with David Lyvers
140. Sanibel Symposium 2004 in Quantum Chemistry, Florida, February 28, 2004. "Finite Size Scaling for the Entanglement in an Itinerant Two-Dimensional Fermionic Systems"
141. Fourth International Conference on Dynamic Systems and Applications May 21-24, 2003 Department of Mathematics, Morehouse College Atlanta, Georgia, USA, "Finite Size Scaling for Quantum Critical Phenomena and Stability of Atomic and Molecular Systems".
142. Sanibel Symposium 2003 in Quantum Chemistry, Florida, February 23, 2003. "Finite Size Scaling in Quantum Mechanics"
143. APS March Meeting 2003, March 3-7, Austin, Texas "Proposal for an entanglement switch using impurities in a 1D magnetic system," Session S19, (Focus Session: Quantum Information Science II)
144. Quantum Information Science March 23-28, 2003, Ventura, CA "Proposal for an entanglement switch using impurities in a 1D magnetic system,"
145. 35th Midwest Theoretical Chemistry Conference, June 12-14th 2003, Iowa State University, Ames, IA "Quantum Phase Transitions and Stability of Atomic and Molecular Systems". "Tuning the Entanglement for a 1D Magnetic System with Anisotropic Coupling and Impurities"
146. Ohio-Michigan Physics Conference on Quantum Computing, Michigan State University, April 11-12, 2003 "Tuning the Entanglement for a 1D Magnetic System with Anisotropic Coupling and Impurities"
147. The 15th annual workshop on recent developments in electronic structure algorithms, May 17-19, 2003, University of Minnesota ,Minneapolis, Minnesota "Quantum Phase Transitions and Stability of Atomic and Molecular Systems".
148. Harvard University, Department of Chemistry, Cambridge, MA Sept.20-22, 2002, Attending "New Frontiers of Chemical Physics Symposium"
149. 2002 American Conference on Theoretical Chemistry, Champion, PA July 13th-18, 2002 "Finite Size Scaling for Extended Systems"
150. 2002 International Conference on Computational Nanoscience and Nanotechnology, ICCN 2002, April 22-25, 2002 San Juan , Puerto Rico "Finite Size Scaling in Quantum Mechanics"

151. APS March Meeting 2002, Indianapolis, IN, March 22, 2002 Session X26 (Ice: Surface Structure and Dynamics II) "Parallel Tempering Microcanonical Monte Carlo Study of Water Cluster"
152. APS March Meeting 2002, Indianapolis, IN, March 19, 2002 Session G21 (Structural Phase Transition) "Phase Transitions and Stability of Three-Body Coulomb Systems"
153. APS March Meeting 2002, Indianapolis, IN, March 18, 2002 Session B21 (Metal-Insulator Phase Transition II) "Study of MIT in pure and disordered Hubbard Model on triangular lattice with real-space renormalization-group method"
154. Sanibel Symposium 2002 in Quantum Chemistry, Florida, February 23, 2002. "Poster: Finite Size Scaling for Quantum Dots"
155. 34th Midwest Theoretical Chemistry Conference, October 5-6, 2001, Minneapolis, Minnesota. "Quantum Phase Transitions and Stability of Atomic and Molecular Systems".
156. Molecular Quantum Mechanics, An International Conference in Honor of Prof. E.R. Davidson Seattle, WA, July 21-26, 2001. "Quantum Phase Transitions and Stability of Atomic and Molecular Systems".
157. Quantum Applications Symposium, University of Michigan, Ann Arbor, MI, July 1-3, 2001.
158. The 13th annual workshop on recent developments in electronic structure algorithms, Princeton University, Princeton NJ, June 15-18, 2001 "Quantum Phase Transitions and Stability of Atomic and Molecular Systems".
159. Condensed Matter Brazilian Meeting (XXIV ENFMC) May 15-18, 2001, Brazil "Critical Phenomena in Atomic and Molecular Systems: Mapping to Classical Lattices" Talk (with R.A. Sauerwein)
160. MOLEC 2000 Symposium, Hebrew University, "Resonance States of Atomic Anions" Poster with A.V. Sergeev
161. The 33rd Midwest Theoretical Chemistry Conference, May 25-27, 2000, University of Iowa, Talk (with R.A. Sauerwein) "Path Integral Approach to Critical Phenomena in Atomic and Molecular Systems" Talk (with P. Nigra) "A Study of the Correlation Between Intensive Properties and Finite Size Effects in Water Clusters" Poster (with Q. Shi) "Finite Size Scaling Method for Diatomic Molecules".
162. VI Latin American Workshop on Nonlinear Phenomena, Huerta Grande, Crdoba, Argentina, October 12-16, 1999, "Finite Size Scaling In Quantum Mechanics", (with Pablo Serra).

163. 32st Midwest Theoretical Chemistry Conference Department of Chemistry, University of Notre Dame, Indiana, May 20-22, 1999 Chair of one session at the Conference. "Stability of Simple Molecular Systems in a Strong Magnetic Field, with Dr. Qicun Shi", and "Finite Size Scaling Method and Gaussian Basis Sets for Molecular Critical Parameters, (Poster), "Pivot Method for Global Optimization: A Study of Water Clusters $(H_2O)_N$ with $2 < N < 33$ ", with Pablo Nigra, (Poster).
164. The American Physical Society - 1999 March Meeting Atlanta, Ga 20-27 March, 1999 Poster: Finite Size Scaling method for the Stability of Atomic and Molecular Ion. and Stability of one-electron bond in a strong magnetic field
165. Sanibel Symposium in Quantum Chemistry Florida, February 27-March, 1999 Poster: Critical Charges for N-Electron Atoms: Stability of Atomic Negative Ions.
166. The American Physical Society - 1998 March Meeting Los Angeles, CA 16-20 March, 1998 Talk: Phase Transitions and Stability of Atomic and Molecular Negative Ions Poster: Critical Parameters for Few Electron Systems.
167. Sanibel Symposium in Quantum Chemistry Florida, February 21-27, 1998 Poster: Finite Size Scaling for Electronic Structure of Atoms and Molecules.
168. Coupled Cluster Theory and Electron Correlation Workshop Cedar Key, Florida, June 15-19, 1997 Abstract: Finite Size Basis Set Scaling Ansatz for Atoms.
169. Ninth Annual Conference on Recent Developments in Electronic Structure Methods Cornell University, Ithaca, NY, May 31-June 2, 1997 Poster: Finite Size Basis Set Scaling Ansatz for Atoms.
170. 30th Midwest Theoretical Chemistry Conference University of Illinois, Urbana-Champaign, May 22-24, 1997 Poster: Symmetry Breaking and Stability of Binary Clusters (with Pablo Serra) Poster: Finite Size Basis Set Scaling for Helium Like Atoms (with Juan Pablo Neirotti and Pablo Serra).
171. Sanibel Symposium in Quantum Chemistry Florida, March 1-7, 1997 Poster: Renormalization Group Approach for Electronic Excitations in Atoms.
172. Eighth Annual Conference on New Methods in Electronic Structure Calculations University of Minnesota, Minneapolis, June 14-17, 1996 Poster: Symmetry Breaking and Critical Phenomena for Electronic Structure at the Large-Dimension Limit.
173. Sanibel Symposium in Quantum Chemistry Florida, February 24-March 2, 1996 Abstracts: Critical Phenomena for Electronic Structure of Atoms and Molecules.
174. Molecular Quantum Mechanics: Methods and Applications University of Cambridge, England, 3-7 September 1995 Poster: Charge Renormalization at the Large-D Limit for Electronic Structure Calculations.

175. Northwestern University, XXVIII Midwest Theoretical Chemistry Conference Evanston, Illinois, May 11-13, 1995 Poster: Charge Renormalization at the Large-D Limit for Electronic Structure Calculations.
176. Sanibel Symposium in Quantum Chemistry Florida, February 25 - March 4, 1995 Poster: Dimensional Renormalization for Electronic Structure Calculations.
177. Seventh Conference on Superconductivity and Application, SUNY at Buffalo Buffalo, NY, September 7-9, 1994 Superconductivity and Applications.
178. Gordon Research Conference, New Hampshire Brewster Academy, NH, July 17-July 22, 1994 Solid State Chemistry.
179. Institute for Theoretical Atomic and Molecular Physics Cambridge, MA, May 17-19, 1991 Hidden Crossings in Ion-Atom Collisions and in Other Nonadiabatic Transitions.