

Invited Talks at Conferences, Workshops, and Schools

1. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices: Generalized Factorial Cumulants*,
International Workshop on “Solid-State Quantum Information and Quantum Computing”, Shangrao (China), November 2019.
2. *Unconventional Superconductivity in Quantum-Dot Systems*,
International Workshop on “Bound states in superconductors and interfaces”,
Dresden, April 2019.
3. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices: Generalized Factorial Cumulants*,
International Workshop of the School for Contacts in Nanosystems, Hannover,
July 2018.
4. *Unconventional Superconductivity in Quantum-Dot Systems*,
9th International Workshop on “Solid-State Quantum Computing”, Hangzhou
(China), Mai 2018.
5. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices: Generalized Factorial Cumulants*,
Symposium dedicated to Gerd Schön’s 70th birthday, Karlsruhe, April 2018.
6. *Theoretical Modelling of Electronic Transport through Nanostructures*,
CENIDE-Konferenz, Bergisch Gladbach, Februar 2018.
7. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices*,
International Conference “Nanophysics: from fundamentals to applications:
reloaded”, Quy-Nhon (Vietnam), August 2017.
8. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices*,
Workshop on “Non-Equilibrium Dynamics of Condensed Matter in the Time
Domain”, Bad Honnef, November 2016.
9. *Unconventional Superconductivity in Quantum-Dot Systems*,
International Conference “Spin Caloritronics 7”, Utrecht (Niederlande), July
2016.
10. *Quantum-Dot Spintronics*,
Workshop “NewSpin4: Transport beyond electrons”, Utrecht (Niederlande),
Dezember 2015.

11. *Semiconductor Spintronics: Spin Dynamics, Spin-Orbit Coupling, and Spin Relaxation*,
1 lecture at the “School on Spintronics and Nanomagnetism”, Teheran (Iran), November 2015.
12. *Quantum-Dot Spintronics*,
2 lectures at the “School on Spintronics and Nanomagnetism”, Teheran (Iran), November 2015.
13. *Spin-Dependent Transport through Nanostructures*,
7th Workshop of FOR 1154 “Towards Molecular Spintronics”, Zwickau, September 2014.
14. *Quantum Transport in Hybrid Nanosystems* ,
Workshop on “Self-Organization of Hybrid Quantum Systems”, Bochum, September 2014.
15. *Equilibrium and Nonequilibrium Superconducting Proximity Effect in Quantum-Dot Systems*,
545. WE-Heraeus Seminar “Superconducting Proximity and Josephson Effects in Nanoscale Systems”, Bad Honnef, November 2013.
16. *Spin Pumping through Quantum Dots*,
International Workshop on “Semiconductor Spintronics”, Würzburg, September 2013.
17. *Equilibrium and Nonequilibrium Superconducting Proximity Effect in Interacting Quantum-Dot Systems*,
9th Rencontres du Vietnam on “Nanophysics: from fundamentals to applications (the return)”, Quy-Nhon (Vietnam), August 2013.
18. *Quantum Transport in Nanostructures: Playing with Ferromagnetism and Superconductivity in Quantum Dots*,
4th International Conference “From Nanoparticles and Nanomaterials to Nanodevices and Nanosystems” (IC4N), Corfu (Greece), June 2013.
19. *Superconducting Proximity Effect in Quantum-Dot Systems*,
International Workshop on “Spin-Orbit and Interaction Effects in Nano-Electronics”, Aachen, February 2013.
20. *Mesoscopic Stoner Instability in Metallic Nanoparticles Revealed by Shot Noise*,
International Workshop on “Quantum Noise and Measurement in Engineered Electronic Systems”, Dresden, October 2012.

21. *Mesoscopic Stoner Instability in Metallic Nanoparticles Revealed by Shot Noise*,
International Workshop on “The Science of Nanostructures: New Frontiers in the Physics of Quantum Dots”, Chernogolovka (Russia), September 2012.
22. *Superconducting Proximity Effect in Quantum-Dot Systems*,
International Workshop on “Quantum Matter from the Nano- to the Macro-scale”, Dresden, June 2012.
23. *Superconducting Proximity Effect in Quantum-Dot Systems*,
International Workshop on “Quantum Physics of Phase”, Stockholm (Sweden), April 2012.
24. *Superconducting Proximity Effect in Quantum-Dot Systems*,
SFB 491 Conference on “Magnetic Heterostructures: Spin Structures and Spin Transport”, Bochum, September 2011.
25. *Charge and Spin Dynamics in Quantum Dots with Superconducting and Ferromagnetic Leads*,
469. WE-Heraeus Seminar “Quantum Dynamics in Nanoscale Heterostructures”, Bad Honnef, December 2010.
26. *Equilibrium and Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*,
International Workshop on “The Science of Nanostructures: New Frontiers in the Physics of Quantum Dots”, Chernogolovka (Russia), September 2010.
27. *Quantum and Spin Transport in Nanstructures*,
International Conference on “Quantum Communication and Quantum Networking”, Napoli (Italy), October 2009.
28. *Single-Electron Transport in Nanstructures*,
Summer School on “Energy Dissipation at Surfaces”, Essen, September 2009.
29. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*,
International Workshop on “Nonequilibrium Nanostructures”, Dresden, December 2008.
30. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Workshop on “Coherence and Relaxation Properties of Electron Spins”, Dresden, October 2008.

31. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*, 420. WE-Heraeus Seminar “Unconventional Proximity Effects in Novel Materials”, Bad Honnef, October 2008.
32. *Semiconductor Spintronics: Spin Dynamics, Spin-Orbit Coupling, and Spin Relaxation*, 2 lectures at the “SPP 1285 Summer School”, Goslar, September 2008.
33. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*, International Conference on “Quantum Transport and Fluctuations at Nanoscale”, Sveti Stefan (Montenegro), September 2008.
34. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*, International Workshop on “Nonlinear Electron Transport in Nano-Junctions”, Copenhagen (Denmark), July 2008.
35. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, 14th annual IASBS Meeting on Condensed Matter Physics, Zanjan (Iran), May 2008.
36. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*, International Symposium on “Nanoelectronics and Quantum Transport”, Karlsruhe, April 2008.
37. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, International Workshop on “Electronic Coherence and Correlations”, Pohang (Korea), November 2007.
38. *Spin Transport in Magnetic Nanostructures*, 2 lectures at the International Summer School on “Magnetic Heterostructures and Nanomagnetism”, Schwerte, July 2007.
39. *Interplay of Ferromagnetism and Coulomb Interaction in Quantum-Dot Spin Valves*, International Conference “SpiNor 2007: Spin and Charge Flow in Nanostructures”, Oslo (Norway), June 2007.
40. *Theory of Semiconductor Spintronics*, DPG-Frühjahrstagung, Regensburg, March 2007.
41. *Interplay of Ferromagnetism and Coulomb Interaction in Quantum-Dot Spin Valves*,

- International Workshop on “Superconductivity-Ferromagnetism Interplay in Nanostructured Hybrid Systems”, Oslo (Norway), March 2007.
42. *Adiabatic Pumping through a Quantum Dot with Coulomb Interaction*, International Workshop on “Quantum Pumping”, Technion, Haifa (Israel), January 2007.
 43. *Spin Torque in Quantum-Dot Spin Valves*, 378. WE-Heraeus Seminar “Spin Torque in Magnetic Nanostructures”, Bad Honnef, October 2006.
 44. *Interplay of Ferromagnetism and Coulomb Interaction in Quantum-Dot Spin Valves*, 6th Rencontres du Vietnam on “Nanophysics: from fundamentals to applications”, Hanoi (Vietnam), August 2006.
 45. *Interplay of Ferromagnetism and Coulomb Interaction in Quantum-Dot Spin Valves*, International Workshop on “Spin and Charge Effects at the Nanoscale”, Pisa (Italien), June 2006.
 46. *Interplay of Ferromagnetism and Coulomb Interaction in Quantum-Dot Spin Valves*, KITP program on “Spintronics”, Santa Barbara (USA), April 2006.
 47. *Electronic Transport through Quantum Dots*, series of 4 lectures at the “International Workshop on Mesoscopic and Nanoscopic Science”, Kolkata (Indien), February 2006.
 48. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, International Symposium on “Structure and Dynamics on the Nanometer Scale”, Duisburg, November 2005.
 49. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, RTN Meeting “Spintronics”, Poznan (Poland), September 2005.
 50. *Probing Single Spins in Quantum Dots by Electronic Transport*, ESF Conference “Entanglement and Coherence in Nanoelectronics”, Acquafredda di Maratea (Italien), September 2005.
 51. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, Summer School on “Nanoelectronics”, Bad Herrenalb, September 2005.

52. *Nonmonotonic Charge Occupation in Double Dots*,
Workshop on “Fundamentals of electronic nanosystems”, St. Petersburg (Russia), June 2005.
53. *The Interplay of Interaction and Interference in Nanoscopic Transport*,
Summer School on “Nanoscopic Quantum Transport”, Les Houches (France), July 2004.
54. *Collective Spin Excitations in Diluted Magnetic Semiconductors*,
Workshop on “Local-Moment Ferromagnets: Unique Properties for Modern Applications”, Wandlitz, March 2004.
55. *Ferromagnetism and Collective Spin Excitations in Diluted Magnetic Semiconductors*,
317. WE-Heraeus Seminar “Spintronics”, Bad Honnef, January 2004.
56. *Transport through Quantum Dots Attached to Ferromagnetic Leads*,
Workshop on “Physics of Spin in Solids: Materials, Methods & Applications”, Baku (Azerbaijan), October 2003.
57. *Transport through Quantum Dots Attached to Ferromagnetic Leads*,
Conference on Functional Nanostructures, Karlsruhe, October 2003.
58. *Transport through Quantum Dots Attached to Ferromagnetic Leads: Interaction-Induced Spin Precession, Spin-Valve Effect, and Kondo Physics*,
ISSP International Summer School for Young Researchers on “Quantum Transport in Mesoscopic Scale and Low Dimensions”, University of Tokyo, Kashiwa (Japan), August 2003.
59. *Collective Spin Excitations in Diluted Magnetic Semiconductors*,
International Workshop on “Diluted Magnetic Semiconductors”, Lyon (France), June 2003.
60. *Diagrammatic Approach to Electron Transport through Strongly Interacting Quantum Dots*,
Workshop on “Off-Shell Effects in Quantum Transport”, MPI Dresden, May 2003.
61. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*,
Workshop on “Electrons in zero-dimensional conductors: beyond the single-particle picture”, MPI Dresden, November 2002.
62. *Ferromagnetism in (III,Mn)V Semiconductors*,
DPG-Frühjahrstagung, Regensburg, March 2002.

63. *Dissipationless Spin Transport in Thin Film Ferromagnets & Theory of (III,Mn)V Semiconductor Ferromagnetism*, International Workshop on Ferromagnet-Semiconductor Nanostructures, Regensburg, July 2001.
64. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*, Third DIP-Meeting “Quantum Electronics in Low-Dimensional Systems”, Max-Planck-Institut für Festkörperforschung, Stuttgart, May 2001.
65. *Quantum Fluctuations and the Kondo Effect in Small Quantum Dots*, DPG-Frühjahrstagung, Hamburg, March 2001.
66. *Theory of (III,Mn)V Semiconductor Ferromagnetism*, APS March Meeting, Seattle (USA), March 2001.
67. *Theory of Diluted Magnetic Semiconductor Ferromagnetism*, 236. WE-Heraeus Seminar “Interacting Electrons in Nanostructures”, Bad Honnef, June 2000.

Colloquia, Seminars, and other Invited Talks

68. *Full Counting Statistics of Electron Tunneling in Coulomb-Blockade Devices*, Seminar, Universität Hannover, December 2016.
69. *Unconventional Superconductivity in Quantum-Dot Systems*, Kolloquium, Universität Würzburg, November 2016.
70. *Quantum-Dot Spintronics*, Kolloquium, Universität Osnabrück, June 2016.
71. *Quantum Transport in Nanostructures: Playing with Charge and Spin in Quantum Dots*, Kolloquium, Sharif University Teheran (Iran), November 2015.
72. *Unconventional Superconductivity in Quantum-Dot Systems*, Seminar, IASBS Zanjan (Iran), November 2015.
73. *Unconventional Superconductivity in Quantum-Dot Systems*, Seminar, University of Cambridge (UK), November 2014.
74. *Quantum Transport in Nanostructures: Playing with Magnetic and Superconducting Correlations in Quantum Dots*, Kolloquium, HU Berlin, January 2014.

75. *Equilibrium and Nonequilibrium Superconducting Proximity Effect in Quantum-Dot Systems*,
Seminar, Universität Basel (Schweiz), October 2013.
76. *Superconducting Proximity Effect in Quantum-Dot Systems*,
SFB-Kolloquium, Universität Konstanz, January 2013.
77. *Quantum Transport in Hybrid Nanosystems*,
Seminar, TU München, December 2012.
78. *Superconducting Proximity Effect in Quantum-Dot Systems*,
Seminar, Universität Hamburg, July 2012.
79. *Superconducting Proximity Effect in Interacting Quantum Dots: Equilibrium and Nonequilibrium*,
Theory Colloquium, Universität Karlsruhe, December 2010.
80. *Quantentransport in Nanostrukturen*,
Symposium, Universität Göttingen, October 2010.
81. *Quantentransport in Nanostrukturen*,
Kolloquium, Bergische Universität Wuppertal, July 2010.
82. *Quantentransport in Nanostrukturen: Ferromagnetismus und Supraleitung in Quantenpunkten*,
Kolloquium, Universität Duisburg-Essen, May 2010.
83. *Quantum Transport in Nanostructures: Playing with Ferromagnetism and Superconductivity in Quantum Dots*,
Kolloquium, TU Dortmund, December 2009.
84. *Electronic Quantum Transport in Nanostructures*,
Kolloquium, FZ Jülich, November 2009.
85. *Quantum Transport in Nanostructures: Playing with Ferromagnetism and Superconductivity in Quantum Dots*,
Kolloquium, Universität Kaiserslautern, July 2009.
86. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Seminar, Universität Regensburg, July 2008.
87. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*,
Seminar, Isfahan University of Technology, Isfahan (Iran), May 2008.

88. *Nonequilibrium Superconducting Proximity Effect in Interacting Quantum Dots*, Kolloquium, Institute for Studies in Theoretical Physics and Mathematics, Teheran (Iran), May 2008.
89. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, Seminar, Universität Karlsruhe, January 2008.
90. *Quantum Transport in Nanostructures*, Kolloquium, IFW Dresden, December 2007.
91. *Adiabatic Pumping through a Quantum Dot with Coulomb Interaction*, Seminar, Korea Advanced Institute of Science and Technology, Daejeon (Korea), December 2007.
92. *Quantum Transport in Nanostructures*, Seminar, Universität Dortmund, November 2007.
93. *Von Spionen, Codeknackern und Quantenphysikern*, Schülertage, Ruhr-Universität Bochum, April 2007.
94. *Quantentransport in Nanostrukturen*, Seminar, Universität Duisburg-Essen, December 2006.
95. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, Seminar, Universität Augsburg, July 2006.
96. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*, SFB-Kolloquium, Max-Planck-Institut für Festkörperforschung, Stuttgart, May 2006.
97. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, Abteilungskolloquium, PTB Braunschweig, February 2006.
98. *Vielteilchen-Quantenphysik mit Spins*, Kolloquium, Universität Konstanz, January 2006.
99. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*, Kolloquium, Universität Würzburg, November 2005.
100. *Spinelektronik trifft Nanophysik: Spinabhängiger Transport durch Quantenpunkte*, Berliner Physikalisches Kolloquium im Magnus-Haus, Berlin, October 2005.

101. *Spintronics with Many-Body Quantum Systems*,
Theorie-Kolloquium, Universität zu Köln, Juni 2005.
102. *Persistent Spin Currents in Ferro- and Helimagnets*,
Seminar, Scuola Normale Superiore, Pisa (Italy), May 2005.
103. *Persistent Spin Currents in Ferro- and Helimagnets*,
Seminar, Institut für Angewandte Physik, Universität Hamburg, May 2005.
104. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Theorie-Kolloquium, Universität Genf (Schweiz), April 2005.
105. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Seminar, Kavli Institute of Nanoscience, TU Delft (Niederlande), April 2005.
106. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Seminar, Massey University Palmerston North (Neuseeland), February 2005.
107. *Elektronischer Transport durch mesoskopische Quantensysteme*,
Seminar, Universität Bayreuth, January 2005.
108. *Zappelnde Moleküle, Minutensteaks und Aktienkurse: was hat das mit Einstein zu tun?*,
Saturday Morning Physics, Bochum, January 2005.
109. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Seminar, Universität Genua (Italien), September 2004.
110. *Spintronics meets Nanophysics: Spin-Dependent Transport through Quantum Dots*,
Seminar, Scuola Normale Superiore, Pisa (Italien), September 2004.
111. *Electron Transport through Interacting Quantum Dots*,
Theoretisch-Chemisches Seminar, Ruhr-Universität Bochum, June 2004.
112. *Spintronics meets Nanophysics: spin-dependent transport through quantum dots*,
Seminar, Universität Göttingen, June 2004.
113. *Spintronics meets Nanophysics: spin-dependent transport through quantum dots*,
Seminar, Institut für Theoretische Physik, RWTH Aachen, May 2004.

114. *Spintronics meets Nanophysics: spinabhängiger Transport durch Quantenpunkte*,
Seminar, Universität Frankfurt, April 2004.
115. *Persistent Spin Currents in Ferro- and Helimagnets*,
Seminar, MPI Dresden, February 2004.
116. *Spinelektronik mit Quantenpunkten*,
Kolloquium, Ruhr-Universität Bochum, February 2004.
117. *Spinelektronik mit Quantenpunkten*,
Kolloquium, Universität Dortmund, January 2004.
118. *Kondo Physics in Quantum Dots*,
Seminar, Universität Dresden, December 2003.
119. *Elektronentransport durch wechselwirkende Quantenpunkte*,
Seminar, Universität Erlangen-Nürnberg, October 2003.
120. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*,
Seminar, ISSP, University of Tokyo, Kashiwa (Japan), August 2003.
121. *Elektronentransport durch wechselwirkende Quantenpunkte*,
Theorie-Kolloquium, Universität Kaiserslautern, July 2003.
122. *Quantum Fluctuations in Metallic Single-Electron Devices*,
Seminar, Forschungszentrum Karlsruhe, January 2003.
123. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*,
Seminar, Universität Genua (Italien), October 2002.
124. *Ferromagnetism in Mn-doped III-V Semiconductors*,
Seminar, Scuola Normale Superiore, Pisa (Italien), September 2002.
125. *Ferromagnetismus in Mn-dotierten III-V Halbleitern*,
Seminar, Institut für Festkörperphysik, Universität Hannover, July 2002.
126. *Ferromagnetismus in Mn-dotierten III-V Halbleitern*,
Seminar, Institut für Festkörperphysik, Universität Hamburg, June 2002.
127. *Aharonov-Bohm Interferometry with Interacting Quantum Dots*,
Seminar, Institut für Festkörperphysik, Universität Hannover, May 2002.
128. *Ferromagnetism in Mn-doped III-V Semiconductors*,
Seminar, Universität Augsburg, May 2002.

129. *Ferromagnetism in Mn-doped III-V Semiconductors*,
Festkörpertheorie-Kolloquium, Humboldt-Universität Berlin, May 2002.
130. *Nanoelektronik und Quantencomputer*,
Schülertag, Universität Karlsruhe, May 2002.
131. *Ferromagnetismus in Mn-dotierten III-V Halbleitern*,
Kolloquium, Universität Regensburg, May 2002.
132. *Ferromagnetismus in Mn-dotierten III-V Halbleitern*,
Seminar, Ruhr-Universität Bochum, January 2002.
133. *Dissipationless Spin Transport in Thin Film Ferromagnets*,
Seminar, Department of Physics and Astronomy, Basel (Schweiz), January 2002.
134. *Dissipationless Spin Transport in Thin Film Ferromagnets*,
Seminar, Institut für Theoretische Physik, RWTH Aachen, December 2001.
135. *Aharonov-Bohm Interferometry with Quantum Dots*,
Seminar, Department of Applied Physics, TU Delft (Niederlande), December 2001.
136. *Dissipationless Spin Transport in Thin Film Ferromagnets*,
Seminar, Institut für Theoretische Physik, Universität Hamburg, November 2001.
137. *Kondo Physics in Quantum Dots*,
Seminar, Max-Planck-Institut für Festkörperforschung, Stuttgart, September 2001.
138. *Theory of (III,Mn)V Semiconductor Ferromagnetism*,
Theorie-Kolloquium, Institut für Theoretische Physik, RWTH Aachen, July 2001.
139. *Theory of (III,Mn)V Semiconductor Ferromagnetism*,
Seminar, Institut für Theoretische Physik, FU Berlin, June 2001.
140. *Dissipationless Spin Transport in Thin Film Ferromagnets*,
Seminar, Sektion Physik, LMU München, June 2001.
141. *Theory of (III,Mn)V Semiconductor Ferromagnetism*,
Theorie-Kolloquium, Universität Karlsruhe, December 2000.
142. *Coherence and Partial Coherence in Interacting Electron Systems*,
Seminar, Weizmann Institute of Science, Rehovot (Israel), November 2000.

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143. *Theory of Diluted Magnetic Semiconductor Ferromagnetism*, Seminar, Center for NanoScience, LMU München, July 2000.
 144. *Spin-Wave Theory for Ferromagnetic Semiconductors*, Seminar, Institut für Theoretische Festkörperphysik, Karlsruhe, November 1999.
 145. *Strong Tunneling in the Single-Electron Transistor*, Seminar, Department of Physics, Jyväskylä (Finland), August 1998.
 146. *Starkes Tunneln in Einzel-Elektron Transistoren*, Seminar, Institut für Angewandte Physik, Universität Tübingen, July 1998.
 147. *Resonanztunneln in mesoskopischen Systemen*, Verleihung des “Preises der Stadt Karlsruhe”, Karlsruhe, February 1998.
 148. *Cotunneln und Renormierungseffekte im Einzel-Elektronen-Transistor*, Seminar, Institut für Theoretische Festkörperphysik, Universität Freiburg, December 1997.
 149. *Kondo Physik bei resonantem Tunneln in Quantenpunkten*, Seminar, Institut für Festkörperphysik, Universität Hannover, November 1997.