

# David Goldhaber-Gordon

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**Employment** **Stanford University** Palo Alto, CA  
Sept 2001– Assistant Professor of Physics, Experimental Condensed Matter. Co-founder and Deputy Director, NSF-Stanford-IBM Center for Probing the Nanoscale.

**Harvard University** Cambridge, MA  
July 1999– Junior Fellow in the Harvard Society of Fellows. Researching electronic quantum states and many-body interactions in semiconductor nanostructures.  
Aug 2001

**The MITRE Corporation** Cambridge, MA  
Summer Member of Technical Staff. Researching motion of submicron granular matter shaken in vacuum, to search for a “granular liquid” state. Research costs and salary paid by MITRE, but research conducted at Harvard.  
2000, 2001

**Education** **Massachusetts Institute of Technology** Cambridge, MA  
June 1994– Supported by Hertz Foundation PhD Fellowship. Working with Prof. Marc Kastner in collaboration with Prof. Udi Meirav (Weizmann Institute) and Dr. Olivier Klein. Thesis title: *The Kondo Effect in a Single-Electron Transistor*. Spent September 1995–July 1996 at the Weizmann Institute to fabricate and characterize samples.  
June 1999

**Harvard University** Cambridge, MA  
1990–1994

- AB Magna Cum Laude with high honors in Physics
- AM in History of Science. My coursework focused on history of Mathematics, Astronomy, and Physics.
- Master’s Paper: *Laplace and Boscovich: Controversy over the comets*

**Awards**

- National Academy of Sciences Award for Initiatives in Research, 2006. One given per year – field rotates.
- Inaugural recipient of the George E. Valley Prize of the American Physical Society, 2002. This prize is awarded every two years to an early-career individual (then under the age of thirty, now within five years of Ph.D.) “to recognize his or her outstanding scientific contribution to the knowledge of physics”.
- William McMillan Award, highest accolade for an early-career condensed matter physics experimentalist or theorist, 2002.
- Hellman Faculty Scholar, Stanford, 2008.
- Mel Schwartz Fellowship, Stanford Physics Department, 2007. Competitively awarded support for a research project based on proposal to department.
- David and Lucille Packard Fellow, 2004-9.

## Awards Cont.

- Air Force Presidential (PECASE) Awardee, 2003-7 (one of two nationwide).
- Office of Naval Research Young Investigator, 2001-4.
- Inaugural speaker for AFOSR/ONR young investigator seminar, 2007.
- Research Corporation Research Innovation Award 2004-6.
- Terman Fellow, Stanford, 2003-5.
- Alfred P. Sloan Foundation Fellowship, 2003-5.
- Best paper by a young author, Int'l Conf. on Physics of Semiconductors, 1998.
- Review of nanoelectronic computing chosen MITRE Corp. best paper of 1997.
- Martin Deutsch Award for the most promising experimental physics graduate work at MIT for 1997.
- Hertz Foundation PhD Fellow 1994-9.
- Office of Naval Research Fellowship, 1994: declined in favor of Hertz.
- MIT Karl Taylor Compton PhD Fellow 1994-6. Two fellowships were awarded to prospective graduate students in physics from over 400 applicants.

## Colloquia and invited conference talks on electrons in nanostructures\*

March 1998	<b>APS Annual Meeting</b>	Los Angeles, CA
	In addition to giving an invited talk, I was one of four instructors for a tutorial on semiconductor quantum dots, with hundreds of attendees.	
August 1998	<b>Int'l Conference on the Physics of Semiconductors</b>	Jerusalem, Israel
August 1998	<b>ICTP Mesoscopics Workshop</b>	Trieste, Italy
Sept. 1998	<b>PHASDOM98: Meeting of the European Consortium on Mesoscopic Systems</b>	Neuchatel, Switzerland
Dec. 1998	<b>ITP Mesoscopics Workshop</b>	Santa Barbara, CA
Jan. 1999	<b>Rencontres de Moriond</b>	Les Arcs, France
March 1999	<b>NRIM Symposium on Quantum Phenomena in Advanced Materials at High Magnetic Fields</b>	Tsukuba, Japan
August 1999	<b>Electronic Properties of 2-Dimensional Systems (EP2DS-13)</b>	Ottawa, Canada
August 1999	<b>Strongly Correlated Electron Systems (SCES-99)</b>	Nagano, Japan
May 2000	<b>TPI Workshop on Interactions and Chaos in Mesoscopic Systems</b>	Minneapolis, MN
May 2000	<b>NATO Workshop on Size-dependent Kondo Effect</b>	Pecs, Hungary
July 2000	<b>ICTP Correlated Electron Systems Workshop</b>	Trieste, Italy
Oct. 2000	<b>NEC Symp. on Spins in Mesoscopic Electron Systems</b>	Nasu, Japan
Nov. 2000	<b>Iowa State Physics Department Colloquium</b>	Ames, IA
Jan. 2001	<b>University of Georgia Physics Department Colloquium</b>	Athens, GA

Jul. 2001	<b>Maurice Goldhaber Symposium</b>	Brookhaven, NY
Oct. 2001	<b>“An Open World of Physics” Symposium</b>	Stony Brook, NY
Nov. 2001	<b>IBM Physical Sciences Colloquium</b>	Almaden, CA
Dec. 2001	<b>ITP Mesoscopics Workshop</b>	Santa Barbara, CA
Feb. 2002	<b>Stanford Material Science Colloquium</b>	Stanford, CA
Mar. 2002	<b>APS George E. Valley Prize talk</b>	Indianapolis, IN
Apr. 2002	<b>SFSU Physics Colloquium</b>	San Francisco, CA
Apr. 2002	<b>UC Davis Physics Colloquium</b>	Davis, CA
Dec. 2002	<b>UIUC Physics Colloquium</b>	Urbana, IL
May 2003	<b>SLAC Physics Colloquium</b>	Stanford, CA
Aug. 2003	<b>Summer Institute on Nanotechnology</b>	Stanford, CA
Jan. 2004	<b>Workshop on Spins in Nanostructures: Public talk</b>	Aspen, CO
Feb. 2004	<b>GersonFest at LBNL</b>	Berkeley, CA
Aug. 2004	<b>Summer Institute on Semiconductor Devices and Manufacturing</b>	Stanford, CA
Aug. 2004	<b>Gordon Research Conf. on Magnetic Nanostructures</b>	Big Sky, MT
Oct. 2004	<b>IBM Almaden Science Colloquium</b>	San Jose, CA
Nov. 2004	<b>UCSD Physics Colloquium</b>	San Diego, CA
Dec. 2004	<b>Weizmann Institute Physics Colloquium</b>	Rehovot, Israel
Dec. 2004	<b>Technion Physics Colloquium</b>	Haifa, Israel
Apr. 2005	<b>Physics for the 3rd Millenium II: Plenary Speaker</b>	Huntsville, AL
Apr. 2005	<b>SUNY Stony Brook Physics Colloquium</b>	Stony Brook, NY
Apr. 2005	<b>Non-Equilibrium and Correlation Effects in Low-Dimensional Structures</b>	Minneapolis, MN
May 2005	<b>Pacific Institute for Theoretical Physics Showcase Meeting</b>	Vancouver, BC
May 2005	<b>Canadian Institute for Advanced Research Quantum Materials Meeting</b>	Vancouver, BC
Aug. 2005	<b>Frontiers of Science within Nanoscience</b>	Boston, MA
Sep. 2005	<b>Packard Fellows Annual Meeting</b>	Santa Cruz, CA
Sep. 2005	<b>Spintronics’05 Meeting</b>	Poznan, Poland

Dec. 2005	<b>NSF Nanoscale Science and Engineering Annual Meeting</b>	Arlington, VA
Dec. 2005	<b>UC Santa Cruz Physics Colloquium</b>	Santa Cruz, CA
Dec. 2005	<b>California NanoSystems Monthly Seminar</b>	Los Angeles, CA
Jan. 2006	<b>Conference on Interactions and Dynamics in Low-Dimensional Quantum Systems</b>	Rehovot, Israel
Jan. 2006	<b>Bar Ilan University Physics Colloquium</b>	Ramat Gan, Israel
Jan. 2006	<b>Hebrew University Physics Colloquium</b>	Jerusalem, Israel
June 2006	<b>UC Riverside Physics Colloquium</b>	Riverside, California
July 2006	<b>Summer Program on Interactions, Coherence &amp; Control in Mesoscopic Systems: Weekly Invited Talk</b>	Aspen, CO
July 2006	<b>Course: Principles of Advanced Electromagnetic Materials: One of Eight Lecturers</b>	McLean, VA
Jan. 2007	<b>Workshop on Spins in Nanostructures</b>	Aspen, CO
Mar. 2007	<b>Simon Fraser University Physics Colloquium</b>	Vancouver, Canada
Mar. 2007	<b>University of British Columbia Physics Colloquium</b>	Vancouver, Canada
Apr. 2007	<b>University of Connecticut Distinguished Lecture</b>	Storrs, CT
Apr. 2007	<b>Oak Ridge National Lab Colloquium</b>	Oak Ridge, TN
May 2007	<b>Strongly-Correlated Electron Systems 2007</b>	Houston, TX
May 2007	<b>UCSB Physics Colloquium</b>	Santa Barbara, CA
June 2007	<b>Inaugural ONR/AFOSR Young Investigator Seminar</b>	Arlington, VA
Aug. 2007	<b>New Frontiers in Quantum Impurity Physics. Keynote and another invited talk</b>	Dresden, Germany
Sep. 2007	<b>3rd European Conference on the Fundamental Problems of Mesoscopic Physics and Nanoelectronics</b>	Mojacar, Spain
Sep. 2007	<b>Cornell Physics Colloquium</b>	Ithaca, NY
Oct. 2007	<b>LBNL Molecular Foundry Annual Meeting</b>	Berkeley, CA
Oct. 2007	<b>Columbia Physics Colloquium</b>	New York, NY
Oct. 2007	<b>Images of the Nanoscale: From Creation to Consumption</b>	Columbia, SC

\*In addition to the talks listed above, during the last seven years I have also given about sixty-five smaller or more specialized seminars at universities and companies, including IBM T.J. Watson Research Center, Lucent Technologies Bell Labs, Agilent, HP, MIT, Harvard, Stanford, Cornell, U. of Illinois Urbana, Berkeley, University of Chicago, U. Michigan, U. Penn, SUNY Stony Brook, U. of Illinois Chicago, Rutgers, Weizmann Institute, Ben Gurion University, Yale, Princeton, UC Davis, Sandia National Lab, and Max Planck Institute-Stuttgart. Over this period, my graduate students and postdocs have also given around ten invited talks and many more contributed talks at conferences.

## Professional and University Service

### (a) Service to professional organizations

- Reviewer for *Nature*, *Nature Materials*, *Nature Physics*, *Science*, *Phys. Rev. Lett.*, *Appl. Phys. Lett.*, *J. Appl. Phys.*, *Nano Letters* and *Phys. Rev. B*.
- Reviewer for NSF (Division of Materials Research), DoE (both Basic Energy Sciences and Oak Ridge Center for Nanophase Materials Science), the Research Corporation, the Israel Science Foundation and the US-Israel Binational Science Foundation.
- Selection committee for George E. Valley Prize of the American Physical Society, the Society's top recognition for an early-career researcher, 2004.
- Selection committee for the American Physical Society's Apker Award, the top recognition for undergraduate researchers, 2006-present.
- Selection committee for the University of Illinois's William McMillan Prize, the top recognition for early-career condensed matter experimentalists and theorists, 2007-2010.

### (b) Organizing workshops

- Aspen Winter Workshop on Spins in Nanostructures, Lead Organizer, Jan. 2004. Location: Aspen, CO.
- First two one-day Annual Workshops of the Center for Probing the Nanoscale, Organizer, May 2005 and 2006. Helped transition workshop to a more distributed organization model for the third workshop, March 2007. Location: Stanford, CA.
- Two-day workshop on Metrology for Beyond CMOS, covering a wide variety of advanced metrology techniques, Co-organizer, Dec. 2006. Location: San Francisco, CA. This workshop was sponsored jointly by the Center for Probing the Nanoscale, the Center for Functionally Engineered NanoArchitectonics (FENA) at UCLA, and the California NanoSystems Institute (CNSI).

### (c) University service

- Center for Probing the Nanoscale (CPN), 2003-present: Co-founder (with Kam Moler) and Deputy Director of \$7.5M NSF-sponsored Stanford-IBM joint venture. Through CPN, over twenty professors at Stanford, several staff members at IBM, and around thirty graduate students and postdocs work to develop new methods for imaging nanoscale electronic, magnetic, and mechanical properties of materials and structures. I play an active role in all CPN's programs, including K-12 educational outreach (Summer Institute for Middle School Teachers).
- Committee to select the next director of the Geballe Laboratory for Advanced Materials (GLAM), 2002-3. The committee helped Dean of Research Artie Bi- enstock successfully recruit Mac Beasley as GLAM director.
- GLAM Long-range Planning Committee (*ex officio*), 2002-3.
- GLAM Committee on charging for nitrogen gas usage, which proposed a way to meter gas use and recover costs, 2004. In Dec. 2004 this was implemented with the help of the Dean of Research, removing an important drain on GLAM resources.
- Stanford Nanofabrication Facility Faculty Advisory Board, 2005-present. Help set priorities for the facility and plan for future capabilities, especially enhanced electron-beam lithography.

### (d) Departmental service: Stanford Physics Department

- Colloquium Committee, 2002-5. Co-chair 2003-4, Chair 2004-5. In 2004-5, as sole chair of the committee, I strove to increase the broad appeal of the Colloquium series by asking the speakers to address a first-year graduate student audience, and by including speakers (physicists in academia, industry, or national labs) on such topics as Asteroid Mining, Energy Policy, and the Physics of Violins. In 2005 I facilitated then-graduate student Adam Cohen's vision of having student-hosted colloquia. These special colloquia just completed their second year (I've helped transition to a new set of student coordinators), and they appear to be becoming a once-per-quarter tradition.
- Graduate Study Committee, 2001-present. I consider acting as an advocate for graduate students and trying to improve their experience at Stanford to be one of my most important roles within the department.
- Co-advising. Served as nominal co-advisor and link to the Physics department for five Physics Ph.D. students working with faculty in other fields: Applied Math, Biochemistry, Chemical Engineering, Chemistry, and Developmental Biology.
- Summer Research College, 2002-present. Mentored eleven undergraduate researchers in my lab over at least one summer each (about half continued during

the academic year or over another summer.)

- Undergraduate advising, 2003-present
- First-year graduate advising, 2007.
- Long-range Planning Committee, 2003.
- Undergraduate Study Committee, 2001-4.
- Undergraduate biophysics advising, 2002-present. Advise undergraduates who want to study biophysics (an area in which I have an amateur interest) on coursework and other aspects of their studies.
- Atomic, Molecular, and Optical Physics Faculty Search Committee, 2002-present.
- Condensed Matter Theory Faculty Search Committee, 2007-8.
- Qualifying Exam Committee, 2005-6.
- Committee to Revamp the Freshman Labs, 2007.

## David Goldhaber-Gordon's Refereed Publications

(\* indicates a student or postdoc for whom I am the primary advisor, or was at the time the research was done)

1. O. Klein, D. G.-G., C. de C. Chamon, and M.A. Kastner, Magnetic-field dependence of the level spacing of a small electron droplet, *Phys. Rev. B, Rapid Comm.* **53**, R4221-4224 (1996).
2. D. G.-G., Michael S. Montemerlo, J. Christopher Love, Gregory J. Opiteck, and James C. Ellenbogen, "Overview of Nanoelectronic Devices", *Proceedings of the IEEE* **85**, 521–540 (1997). Special issue devoted to nanoelectronics.
3. D. G.-G., Hadas Shtrikman, D. Mahalu, David Abusch-Magder, U. Meirav, and M.A. Kastner, "Kondo effect in a single-electron transistor", *Nature* **391**, 156–159 (1998).
4. D. G.-G., J. Göres, M.A. Kastner, Hadas Shtrikman, D. Mahalu, and U. Meirav, "From the Kondo regime to the mixed-valence regime in a single-electron transistor", *Phys. Rev. Lett.* **81**, 5225–5228 (1998).
5. Jeroen M. Elzerman, Silvano De Franceschi, D. G.-G., Wilfred G. van der Wiel, and Leo P. Kouwenhoven, "Suppression of the Kondo effect in a quantum dot by microwave radiation", *J. Low Temp. Phys.* **118**, 375–389 (2000).
6. J. Göres, D. G.-G., S. Heemeyer, M.A. Kastner, Hadas Shtrikman, D. Mahalu, and U. Meirav, "Fano resonances in electronic transport through a single-electron transistor", *Phys. Rev. B* **62**, 2188–2194 (2000).
7. D.S. Duncan, D. G.-G., R.M. Westervelt, K.D. Maranowski, and A.C. Gossard, "Coulomb-blockade spectroscopy on a small quantum dot in a parallel magnetic field", *Appl. Phys. Lett.* **77**, 2183–2185 (2000).
8. I.G. Zacharia, D. G.-G., G. Granger, M.A. Kastner, Yu. B. Khavin, Hadas Shtrikman, D. Mahalu, and U. Meirav, "Temperature dependence of Fano line shapes in a weakly coupled single-electron transistor", *Phys. Rev. B* **64**, 155311/1–5 (2001).
9. S.M. Cronenwett, H.J. Lynch, D. G.-G., L.P. Kouwenhoven, C.M. Marcus, K. Hirose, and N.S. Wingreen, and V. Umansky, "The Low-Temperature Fate of the 0.7 Structure in a Point Contact: A Kondo-like Correlated State in an Open System", *Phys. Rev. Lett.* **88**, 226805/1–4 (2002).
10. J.B. Miller, D.M. Zumbuhl, C.M. Marcus, Y.B. Lyanda-Geller, D. G.-G., K. Campman, and A.C. Gossard, "Gate-Controlled Spin-Orbit Quantum Interference Effects in Lateral Transport", *Phys. Rev. Lett.* **90**, 076807/1–4 (2003).

11. A. Kogan, G. Granger, M.A. Kastner, D. G.-G., and Hadas Shtrikman, “Singlet-triplet transition in a single-electron transistor at zero magnetic field” *Phys. Rev. B* **67**, 113309/1–4 (2003).
12. Gergely Zarand, Arne Brataas, and D. G.-G., “Kondo effect and spin filtering in triangular artificial atoms”, *Solid State Comm.* **126**, 463–466 (2003).
13. Y. Oreg and D. G.-G., “Two-channel Kondo effect in a modified single-electron transistor”, *Phys. Rev. Lett.* **90**, 136602/1–4 (2003).
14. A. Kogan, S. Amasha, D. G.-G., G. Granger, M.A. Kastner, and H. Shtrikman, “Measurements of Kondo and spin splitting in single-electron transistors”, *Phys. Rev. Lett.* **93**, 166602/1–4 (2004).
15. H.T. Chou\*, S. Lüscher\*, D. G.-G., M.J. Manfra, A.M. Sergent, K.W. West, and R.J. Molnar, “High-quality quantum point contacts in GaN/AlGaN heterostructures”, *Appl. Phys. Lett.* **86**, 073108/1–3 (2004).
16. D.M. Zumbuhl, J.B. Miller, C.M. Marcus, D. G.-G., J.S. Harris, K. Campman, and A.C. Gossard, “Conductance fluctuations and partially broken spin symmetries in quantum dots”, *Phys. Rev. B* **72**, 081305/1–4 (2005).
17. John Cumings\*, D. G.-G., A. Zettl, M.R. McCartney, and J.C.H. Spence, “Electron microscopy of the operation of nanoscale devices”, *Materials Research Society Symposium Proceedings* **839**, 165–176 (2005).
18. J. Cumings\*, L.S. Moore\*, H.T. Chou\*, K.C. Ku, S.A. Crooker, N. Samarth, and D. G.-G., “A Tunable Anomalous Hall Effect in a Non-Ferromagnetic System”, *Phys. Rev. Lett.* **96**, 196404/1–4 (2006).
19. H.T. Chou\*, D. G.-G., S. Schmult, M.J. Manfra, A.M. Sergent, and R.J. Molnar, “Single-electron transistors in GaN/AlGaN heterostructures”, *Appl. Phys. Lett.* **89**, 033104/1–3 (2006).
20. J.A. Sulpizio\*, Z.Z. Bandic, and D. G.-G., “Nanofabrication of top-gated carbon nanotube-based transistors: Probing electron-electron interactions in one-dimensional systems”, *Journal of Mat. Res.* **21**, 2916–21 (2006).
21. R.M. Potok\*, I.G. Rau\*, Hadas Shtrikman, Yuval Oreg, and D. G.-G., “Observation of the two-channel Kondo effect”, *Nature* **446**, 167–171 (2007).
22. S. Lüscher\*, L.S. Moore\*, T. Rejec, Hadas Shtrikman, Yigal Meir and D. G.-G., “Charge rearrangement and screening in a quantum point contact”, *Phys. Rev. Lett.* **98**, 196805/1–4 (2007).
23. B. Huard\*, J.A. Sulpizio\*, N. Stander\*, K. Todd\*, B. Yang\*, and D. G.-G., “Transport measurements across a tunable potential barrier in graphene”, *Phys. Rev. Lett.* **98**, 236803/1–4 (2007).
24. C.H.L. Quay\*, John Cumings\*, S.J. Gamble\*, A. Yazdani, R. de Picciotto, H. Kataura, and D. G.-G., “Transport properties of carbon nanotube C<sub>60</sub> peapods”, *Phys. Rev. B* **76**, 073404/1–5 (2007).

25. M. Grobis\*, I.G. Rau\*, R.M. Potok\*, and D. G.-G.. “Kondo Effect in Mesoscopic Quantum Dots”, in *Handbook of Magnetism and Magnetic Materials*, Vol. **5**, H. Kronmüller and S. Parkin, eds., Wiley (2007). Draft available as *arXiv:cond-mat/0611480*. Review article.
26. M.P. Jura\*, M.A. Topinka\*, L. Urban, A. Yazdani, H. Shtrikman, L.N. Pfeiffer, K.W. West, and D. G.-G., “Unexpected features of branched flow through high mobility two-dimensional electron gases”, *Nature Physics* **3**, 841-845 (2007). Also selected as cover illustration.
27. C.H.L. Quay\*, John Cumings\*, Sara Gamble\*, R. de Picciotto, H. Kataura, and D. G.-G., “Magnetic field dependence of the spin-1/2 and spin-1 Kondo effects in a quantum dot”, *Phys. Rev. B* **76**, 245311 (2007).

### Papers in Press, Review, or Preparation

- P1. T. Brintlinger, Yi Qi, K.H. Baloch, D. G.-G., and John Cumings, “Electron Thermal Microscopy”, under review. Draft available as *arXiv:0708.1522*.
- P2. M. Grobis\*, I.G. Rau\*, R.M. Potok\*, Hadas Shtrikman, and D. G.-G., “Universal scaling in non-equilibrium transport through a single-channel Kondo dot”, under review. Draft available as *arXiv:0710.3211*.
- P3. L. Borda, G. Zarand, and D. G.-G., “Dissipative quantum phase transition in a single electron transistor”, *arXiv:cond-mat/0602019* (2006). Revising for resubmission.
- P4. M.A. Topinka\*, M. Rowell, M. McGehee, and D. G.-G., “Scanning potentiometry of carbon nanotube films for use as transparent electrodes”, manuscript in preparation.

### Other Science-Related Publications

- R1. D. G.-G. and I. Goldhaber-Gordon, News and Views Commentary “Molecular electronics: Momentous period for nanotubes”, *Nature* **412**, 594–597 (2001).
- R2. R.M. Potok\* and D. G.-G., News and Views Commentary “Nanotechnology: New spin on correlated electrons”, *Nature* **434**, 451–2 (2005).
- R3. I. Goldhaber-Gordon and D. G.-G., “Schrödinger’s mousetrap - Part 6: A cryptic response”, *Nature* **433**, 805 (2005). Chapter of a serialized physics murder mystery.
- R4. Ilana Goldhaber-Gordon and D. G.-G., “Silicon Stranger”, *Nature Phys.* **2** 723 (2006). Review of a biography of William Shockley, one of the inventors of the transistor.

- R5. F. Goldhaber, M. Goldhaber, and D. G.-G., “Greetings from three generations of Goldhabers to Academician Ginzburg, on the occasion of your 90th birthday”, *J. Superconductivity and Novel Magnetism* **19**, 467 (2006).
- R6. L.S. Moore\* and D. G.-G., News and Views Commentary “Magnetic lattice surprise”, *Nature Physics* **3**, 295–6 (2007).

**Conference proceedings or papers in special issues of journals. These papers are refereed but substantially overlap other refereed papers I have published.**

- C1. O. Klein, C. de C. Chamon, D. G.-G., M.A. Kastner, and X.-G. Wen, “Phase Transitions in Artificial Atoms”, *Quantum Transport in Semiconductor Submicron Structures NATO ASI Series E*, B. Kramer ed., 239–249 (1996).
- C2. M.A. Kastner and D. G.-G., “Kondo physics with single electron transistors”, *Solid State Comm.* **119**, 245–252 (2001).
- C3. D. G.-G., J. Göres, H. Shtrikman, D. Mahalu, U. Meirav, and M.A. Kastner, “The Kondo effect in a single-electron transistor”, *Mat. Sci. and Eng. B* **84**, 17–21 (2001). Proceedings of the 8th NEC Symposium on Fundamental Approaches to New Material Phases: Spin-Related Quantum Transport in Mesoscopic Systems, 22-26 Oct. 2000, Nasu, Japan.
- C4. D. G.-G., J. Göres, H. Shtrikman, D. Mahalu, U. Meirav, and M.A. Kastner, “The Kondo effect in a single-electron transistor”, Proceedings of the NATO Advanced Research Workshop on Kondo Effect and Dephasing in Low-Dimensional Metallic Systems, 29 May-1 June 2000, Pecs, Hungary, pp. 163-70.
- C5. S. Schmult, M.J. Manfra, A.M. Sergent, A. Punnoose, H.T. Chou\*, D. G.-G., and R.J. Molnar, “Quantum transport in high mobility AlGa<sub>N</sub>/Ga<sub>N</sub> 2DEGs and nanostructures”, *Physica Status Solidi B* **243**, 1706–12 (2006).
- C6. Y. Oreg and D. G.-G.. “Two-channel Kondo effect in a quantum dot”, in *Physics of Zero- and One-Dimensional Nanoscopic Systems* Editors: Sachindra N. Karmakar, Santanu K. Maiti and Jayeeta Chowdhury, Springer Series in Solid State Sciences **156** (2007).