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EDUCATION

Ph. D. in Physics, 2000	Duke University, Durham, NC
M. S. in Physics, 1993	Moscow Institute of Physics and Technology, Moscow, Russia

PROFESSIONAL EXPERIENCE

September 2004 -- present	Assistant Professor, University of Cincinnati, Cincinnati, OH
June 2003 – August 2004	Research Scientist, Massachusetts Institute of Technology, Cambridge, MA
September 2000 – June 2003	Research Associate, Massachusetts Institute of Technology, Cambridge, MA
February - September 2000	Postdoctoral Associate, Duke University, Durham, NC
1994 - 2000	Research Assistant, Duke University, Durham, NC
September - November 1993	Teaching Assistant, Kapitza Institute for Physical Problems, Moscow, Russia
1991 - 1993	Research Assistant, Kapitza Institute for Physical Problems, Moscow, Russia

PEER- REVIEWED PUBLICATIONS (14 TOTAL)

- S. Amasha, I. J. Gelfand, M. A. Kastner and **A. Kogan**. “Kondo temperature dependence of the Kondo splitting in a single-electron transistor”, 2005. *Phys. Rev. B* **72**, 045308-045313
- **A. Kogan**, S. Amasha, M. Kastner “Photon-Induced Kondo Satellites in a Single-Electron Transistor”, 2004. *Science* **304**, 1293-1295
- **A. Kogan**, S. Amasha, D. Goldhaber-Gordon, G. Granger, M. A. Kastner, and Hadas Shtrikman “Measurements of Kondo and Spin Splitting in Single-Electron Transistors”, 2004. *Phys. Rev. Letters*, **93**, 166602
- **A.Kogan**, G. Granger, M. A. Kastner, D. Goldhaber-Gordon, and Hadas Shtrikman. "Singlet-Triplet Transition in a Single-Electron Transistor at Zero Magnetic Field", 2003. *Phys. Rev B* **67**, 113309-113312
- A. Furukawa, H. Meyer, A. Onuki, and **A. B. Kogan**, 2003. “Convection in a Very Compressible Fluid: comparison of simulations with experiments”, *Phys. Rev. E*, **68**, p. 056309
- H. Meyer and **A. B. Kogan**, 2002, “ Onset of Convection in a Very Compressible fluid: the Transient Toward Steady-State”, *Phys Rev E* **66**, p. 056310.

- **A. B. Kogan** and H. Meyer, 2001. "Heat transfer and convection onset in a compressible fluid: ^3He near the critical point". *Phys Rev E* 63, p. 056310.
- **A. B. Kogan** and H. Meyer, 2000. "Heat transfer in a pure near-critical fluid: diffusive and convective regimes in ^3He ". Proceedings of the 22nd International Conference on Low Temperature Physics LT22, *Physica B*, vol. 284, p. 208.
- **A. B. Kogan**, D. Murphy and H. Meyer, 1999. "Rayleigh-Benard Convection in a very compressible fluid", **Phys. Rev. Letters** **82**, 4635.
- **A. Kogan** and H. Meyer, 1998. "Density Response and Equilibration in a Pure Fluid Near the Liquid-Vapor Critical Point: ^3He ". *J. Low. Temp. Phys.*, 112, p. 419.
- **A. Kogan** and H. Meyer, 1998. "Sound Propagation in ^3He and ^4He above the Liquid-Vapor Critical Point", *J. Low. Temp. Phys.*, 110, p. 899.
- F. Zhong, **A. Kogan** and H. Meyer, 1997. "Thermal Response of a Fluid near Its Critical Point: ^3He at $T > T_C$ ", *J. Low. Temp. Phys.*, 108, p. 161.
- **A. Kogan**, F. Zhong and H. Meyer, 1996. "Dynamics of Density Equilibration near the Liquid-Vapor Critical Point of ^3He ", Proceedings of the 21st International Conference on Low Temperature Physics, *Czechoslovak Journal of Physics*, 46 suppl. S1, p. 71.
- O.A. Andreeva, K.O. Keshishev, **A. B. Kogan** and A.N. Marchenkov, 1992. "Growth kinetics of vicinal surfaces of ^4He crystals", *Europhys. Lett.* 19 (8) pp. 683-686.

OTHER PUBLICATIONS

- **A. B. Kogan**, D. Murphy and H. Meyer, 1998. "Onset of Rayleigh-Benard Convection in a Very Compressible Fluid: ^3He Near T_C " Proc. 1998 JPL/NASA workshop on Fundamental Physics in Microgravity. NASA Document **D-18442** (1999) p. 247
- **A. B. Kogan**, D. Murphy and H. Meyer, 1999. "Diffusive heat transfer and Convection Onset in a Compressible Fluid: ^3He Near T_C ", Proc. 1999 JPL/NASA workshop on Fundamental Physics in Microgravity. NASA Document **D - 18925** (2000) p. 197

INVITED LECTURES

- “**AC Kondo effect in a single-electron transistor**”. September 2004, Duke University, Durham, NC
- “**AC Kondo effect in a single-electron transistor**”. July 2004, Stanford University, Stanford, CA
- “**AC Kondo effect in a single-electron transistor**”. May 2004, Chez Pierre Seminar, MIT, Cambridge, MA
- “**Experimental studies of nonequilibrium Kondo phenomena in single-electron transistors**” DCMF symposium on Novel Exotic Kondo States in Quantum Dots, APS March meeting, 2004.
- “**Non-equilibrium Kondo effect in single electron transistors**”. March 2004, Purdue University, West Lafayette, IN
- “**Non-equilibrium Kondo effect in single electron transistors**”. February 2004, University of Cincinnati, Cincinnati, OH
- “**Non-equilibrium Kondo effect in single electron transistors**”. January 2004, University of California, Riverside, CA
- “**Observation of photon-induced Kondo satellites in a single-electron transistor**”, Aspen Winter Workshop on Spins and Nanostructures, Aspen Center for Physics, Aspen, CO, 1/7/04
- “**Electron spin resonance in quantum dots**” March 2003. Industry outreach workshop, Harvard University, Cambridge, MA.
- “**Thermodynamics and Hydrodynamics of a Highly Compressible Fluid: ^3He Near the Liquid-Vapor Critical Point**” May 2000. Department of Physics, Massachusetts Institute of Technology, Cambridge, MA.

PRESENTATIONS AT PROFESSIONAL MEETINGS

- 1 2004 Winter Conference on Condensed Matter Physics: Spin in Nanostructures, January 4-11, 2004, Aspen, Colorado
- 2 American Physical Society Meeting, Indianapolis, IN, March 2002.
- 3 American Physical Society Meeting, Minneapolis, MN, March 2000.
- 4 22nd International Conference on Low Temperature Physics, Helsinki, Finland Aug 4-11, 1999.
- 5 American Physical Society Meeting, Atlanta, GA, March 19-26, 1999.
- 6 1998 JPL/NASA Workshop on Fundamental Physics in Microgravity, Oxnard, CA, June 22-25, 1998.
- 7 13th Symposium on Thermophysical Properties, Boulder, CO, June 22-27, 1997.
- 8 21st International Conference on Low Temperature Physics, Prague, August 8-14, 1996.

PROFESSIONAL SOCIETIES

Sigma Xi, member since 1998.

AWARDS

- 1 Fritz London Graduate Fellowship, 1996. Duke University, Durham, NC.
- 2 M. S. degree "cum laude", 1993. Moscow Institute of Physics and Technology, Moscow, Russia.