

CURRICULUM VITAE

Andrei G. Lebed

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Education

Doctor of Sciences: Full Professor's Degree in Physics and Mathematics, Landau Institute for Theoretical Physics, Moscow, Russia, 2000;
Ph.D. in Physics: Landau Institute for Theoretical Physics, Moscow, Russia, 1985;
M.S. Degree in Physics: Moscow Institute of Physics and Technology, Moscow, 1982.

Professional Appointments

Full Professor: Department of Physics, University of Arizona, 2010-present;
Associate Professor: Department of Physics, University of Arizona, 2004-2010;
Research Professor: Department of Physics, Boston College, 2002-2004;
Full Professor: Landau Institute for Theoretical Physics, 2000-2008;
Visiting Full Professor: Kyoto University (Kyoto, Japan), 2000-2001;
Associate Professor: Okayama University (Okayama, Japan), 1998-2000;
Associate Professor: Osaka Prefecture University (Osaka, Japan), 1997-1998;
Associate Professor: Tohoku University (Sendai, Japan), 1995-1997;
Visiting Scientist: Natl. High Magnetic Field Lab. (Tallahassee), 1993-1995;
Scientist: L.D. Landau Institute for Theoretical Physics (Moscow), 1990-2000;
Post-doctoral fellow: Brookhaven National Laboratory (Upton, USA), 1989;
Younger Scientist: Landau Institute for Theoretical Physics, 1985-1990.

Five Most Cited Publications

1. A.G. Lebed and K Yamaji, *Restoration of Superconductivity in a High Parallel Magnetic Field in Quasi-Two-Dimensional Compounds*, Physical Review Letters, vol. 80, p. 2697 (1998);
2. A.G. Lebed and P. Bak, *Theory of unusual anisotropy of magnetoresistance in organic superconductors*, Physical Review Letters, vol. 63, p. 1315 (1989);
3. A.G. Lebed, *Anisotropy of an instability for a spin-density-wave induced by a magnetic field in Q1D conductors*, JETP Letters, vol. 43, p. 174 (1986);
4. A.G. Lebed, *Reversible Nature of the Orbital Mechanism for the Suppression of Superconductivity*, JETP Letters, vol. 44, p. 114 (1986);
5. L.P. Gor'kov and A.G. Lebed, *On the stability of the quasi-one-dimensional metallic phase in magnetic fields against the spin-density-wave formation*, Journal de Physique (Paris) Letters, vol. 45, p. L-433 (1984).

Honors and Awards

- 2014: Fellow of the American Physical Society;
2001: 1-st Prize at *the Landau Institute* scientific competition;
1990: Lenin Komsomol Prize (the *major USSR Government prize* for scientists younger than 34);
1989: 2-nd Prize at the Academy of Sciences of the USSR competition for scientists younger than 34;
1988: 2-nd Prize at *the Landau Institute* scientific competition.

Synergetic Activities:

- 1) Creation of a course of lectures "Conventional and Unconventional Superconductivity" (Boston College, University of Arizona);
- 2) Creation of a course of lectures "Green Functions Methods in Many-body Theory" (University of Arizona);
- 3) Sole editor of a book "The Physics of Organic Superconductors and Conductors" (Springer, Berlin, 2008) (752 pages, 343 figures), devoted to 25th anniversary of organic superconductivity;
- 4) Participation in International Advisory Committees of more than 10 major international conferences;
- 5) Supervision of a Hispanic undergraduate student Mario Aletti (University of Arizona).

Most Recent Grants:

- 2011-2015: NSF individual grant "Organic Conductors and Superconductors in High Magnetic Fields" (\$270,000).
2007-2011: NSF individual grant "Magnetic Properties of Organic Conductors and Superconductors" (\$260,000).

Advisors:

- 1) M.S. Degree's and Ph.D. advisor - Professor Lev P. Gor'kov, Landau Institute for Theoretical Physics, Moscow, Russia, 1980-1985 (currently at the National High Magnetic Field Laboratory, Florida State University, Tallahassee, USA);
- 2) Post-doctoral advisor - Prof. Per Bak, Brookhaven National Laboratory, USA (deceased).

Supervision:

- 2015: Dr. Otar Sepper received his Ph.D under my supervision (University of Arizona).
2010: Dr. Si Wu received his Ph.D. under my supervision (University of Arizona).
Also, in the past, I was Ph.D. advisor and co-advisor of the following graduate students: Dr. Omjyoti Dutta (University of Arizona), Dr. T. Hayashi (Okayama University, Japan), Dr. K. Shankar (Boston College), Dr. J.I. Oh (Boston College), and Dr. Heon-Ick Ha (Boston College).