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Education:

1990-1995 M.S. in Physics, Moscow State Pedagogical University (MSPU)
2000 - Ph.D. in Physics, MSPU, Moscow

Professional activity:

2002 - present: Associate Professor, MSPU
2004 - present: General Director of CJSC "Superconducting nanotechnology"
1997 - 2010: Researcher, MSPU

Honors and awards:

1996: Russian Federation President Grant for Young PhDs Students

Area of scientific interests:

• Non-equilibrium phenomen in superconductors and low-dimension semiconductor systems.
• Design and development of of Terahertz Hot Electron Bolometer Mixers and Single Photon Detectors for near infrared, optical and TeraHertz ranges.

Principle Investigator of the following grants:

- Russian Foundation for Basic Research:
  - grant #02-02-16774-a (2002 -2004),
  - grant #07-02-13626-офи_ц (2007 – 2008),
  - grant #09-02-12364-офи_м (2009 - 2010)
  - grant #12-02-01291-a (2012 – 2014).
- Russian Ministry of Science and Education State:
  - contracts #16.513.11.3017 (2011-2012),
  - contracts #П905 (2008-2009),
  - contracts #14.740.11.0269 (2011-2012),
- The Foundation for Assistance to Small Innovative Enterprises (FASIE):
  - contracts #2979p/5388 (2004-2005),
  - contracts # 4698p/5388 (2006-2008),
  - contracts # 6191p/5388 (2008-2009),
  - contracts # 9888p/16984 (2012-2013),
- INTAS Fellowship grants for Young Scientists: YSF 2002-408 (2002-2003),
- U.S. Civilian Research and Development Foundation (CRDF): No RE2-2531-MO-03 (2004-2006),
- Russian Ministry of Education and DEUTSCHER AKADEMISCHER AUSTAUSCHDIENST (DAAD): grant #04/38430 (2004).

Co-PI and Investigator in more than 30 other grants supported by CRDF, INTAS, Russian Ministry of Science and Education, Russian Foundation for Basic Research, and European Frame Programs.

List of selected publications:

Total number of citations: 1040

h-index: 17

More than 50 peer-review publications and > 100 conference presentations, including invited talks.

Selected peer-review publications:

- G.Gol'tsman, O.Okunev, G.Chulkova, A.Lipatov, A.Semenov, K.Smirnov, B.Voronov, A.Dzardanov, C.Williams, and R.Sobolewski - Picosecond superconducting single-photon optical detector.// Applied Physics Letters, v.79, №6, pp.705-707, 2001,
- G.Gol'tsman, O.Okunev, G.Chulkova, G.Lipatov, A.Dzardanov, K.Smirnov, A.Semenov, B.Voronov, C.Williams and R.Sobolewski - Fabrication and properties of an ultrafast NbN hot-electron single-photon detector.// IEEE Transactions on Applied Superconductivity, vol.11, pp.574-577, 2001,
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- R.Sobolewski, Y Xu X Zhang, C.Williams, J.Zhang, A.Verevkin, G.Chulkova, A.Korneev; A.Lipatov; O.Okunev; K.Smirnov; G.Gol'tsman - Spectral sensitivity of the NbN single-photon superconducting detector.// IEICE Transactions on Electronics, Vol. E85-C, No3, pp. 797-802, 2002,
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Commercial activity:

The scientific equipment produced by CJSC Superconducting nanotechnology under management was delivered to more than hundred scientific and research centers of Germany, France, Japan, USA, Italy, Switzerland, China, Israel, Belgium, the Netherlands, Sweden, Poland, England and other countries. The list of customers of CJSC Superconducting nanotechnology includes Tokyo Instruments Inc. (Japan), Rochester Institute of Technology (USA), University of Science and Technology of China (China), INSIGHT PRODUCT CO. (USA), Observatoire de Paris (France),

Boston University (USA), University of Vienna (Austria), NTT - New Tera Technology (ITALY), Institute of Quantum Electronics (SWITZERLAND), Université Libre de Bruxelles (Belgium), Eindhoven University of Technology (Netherlands), University of Magdeburg (Germany), Chalmers University of Technology (Sweden), Institut d'Optique Graduate School (France), Toshiba Research Europe Limited (United Kingdom), Shanghai Institute of Microsystem and Information Technology (China), Scuola Normale Superiore (Italy), Delft Technical University (Netherlands), Institute Langevin (France), Universita degli Studi di Pavia (Italy), THALES Research and Technology (France), University Paris VII (France), Technische Universität Berlin (Germany), Purple Mountain Observatory (China), Universite Pierre et Marie Curie (France), Geneva University (SWITZERLAND), Northwestern University (USA), University at Buffalo (USA) and others.

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