

Dr. Edward Goldobin. Curriculum Vitae.

Personal Data

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| Office | Oxxel GmbH, Fahrenheit Str. 9 D-28359, Bremen, Germany Phone: +49 (421) 204663-53 FAX: +49 (421) 204663-50 E-Mail: gold@oxxel.de URL: http://www.oxxel.de |
| Home | Carl-Schurz-Str. 61 28209, Bremen, Germany Phone: +49 (177) 2548856 E-Mail: e_gold@mail.ru URL: http://www.geocities.com/e_goldobin |
| Birth date | September 24, 1970, Volgograd, Russia. |
| Marital status | married, no children |
| Nationality | Russian |

Education

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| 09.1977–06.1987 | School. Volgograd, Russia. Graduated with honor & silver medal. |
| 08.1987–06.1993 | Undergraduate student, Department of Physical and Quantum Electronics, Moscow Institute of Physics and Technology, Moscow, Russia. Obtained M.Sc. degree in Physics (with honor = cum laude). The title of the thesis: "A Josephson junction sampler", supervisor Dr. S. Kaplunenko |
| 09.1993–02.1997 | Graduate (Ph.D.) student, Department of Physical and Quantum Electronics, Moscow Institute of Physics and Technology, Moscow, Russia. Obtained Ph.D. degree. Title of the thesis: "Coupled long Josephson junctions," supervisor Prof. A. V. Ustinov and Prof. V. K. Koshelets. |

Present Position

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| 03.2001–present | Oxxel Oxide Electronics Technology GmbH, Bremen, Germany, Senior scientist |
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Previous positions

- 01.1998–02.2001 Institute of Thin Film and Ion Technology, Research Center Jülich GmbH, Postdoctoral researcher
- 09.1992–12.1997 Institute of Radioengineering and Electronics, Moscow, Russia, junior researcher.

Visiting positions

- 07.1997–08.1997 post. doc. researcher, Physics Institute III, University of Erlangen-Nuremberg, Erlangen, Germany.
- 01.1996–04.1997 visiting Ph.D. student, Institute of Thin Film and Ion Technology, Research Center Jülich GmbH, Jülich, Germany.
- 09.1995–12.1995 guest researcher, Institute of Thin Film and Ion Technology, Research Center Jülich GmbH, Jülich, Germany.
- 05.1995–07.1995 guest researcher, German Institute of Standards, Braunschweig, Germany.
- 02.1995–05.1995 guest researcher, Institute of Thin Film and Ion Technology, Research Center Jülich GmbH, Jülich, Germany.
- 09.1994–12.1994 guest researcher, Institute of Thin Film and Ion Technology, Research Center Jülich GmbH, Jülich, Germany.
- 09.1993–12.1993 guest researcher, Physics Department, Chalmers University of Technology, Gothenburg, Sweden.

Languages English is fluent, Russian is native

Specialization

Superconductivity, Josephson effect, non-linear dynamics, solitons, micromagnetic simulations.

Scientific interests

non-linear dynamics (solitons, chaos) in Josephson structures, (stacks, arrays, etc.), flux-flow oscillators, dy-

namics of fluxon in a ratchet potential. Experiment, simulation and theory.

Josephson devices embedded into resonators. Experiment, simulation and theory.

digital devices based on Josephson Junctions (RSFQ). Experiment and simulation.

micromagnetic simulations of remagnetization dynamics in ferromagnetic particles and films.

data acquisition software for investigation of Josephson devices. This software is installed in 6 research labs in Europe.

Invited talks

1999 NATO ASI on "Microwave Superconductivity" in Millau (France). Title: "Flux-flow oscillators and phenomenon of Cherenkov radiation by fast moving fluxons."

Other skills

Computer Professional photomask design (AutoCAD & AutoLISP).
Programming: C/C++ (incl. under Win32), AutoLISP, Pascal, FORTRAN, HTML, PostScript, PERL, Assembler 80x86 & PDP-11, Windows API, \LaTeX . Programming experience: since 1987. OSs: Windows 3.x/9x/NT (expert), UNIX (advanced user). Graphics design in Adobe Photoshop, WWW pages development.

Hobby

Sport table tennis, downhill skiing, badminton, swimming.

PC digital photography (Adobe Photoshop), digital publishing (\LaTeX , PostScript), WWW pages design and support. In general, I am fond of modern technologies.

Books computers, humor, detectives, science fiction.

Bremen, August 20, 2001