CV and List of Publications (Evgeny Gurevich)

Personal Information

Name	**Jun.-Prof. Dr. rer. nat. Evgeny L. Gurevich**
Date of birth	10 March 1977, St.-Petersburg, Russia
Sex	male
Marital status	married
Nationality	German
Languages	English (fluent), German (fluent), Russian (mother tong)
Position	Junior Professor (W1, Verbeamtet auf Zeit)[1] Ruhr-Universität Bochum Faculty of Mechanical Engineering, Chair of Applied Laser Technologies
Address	ID 05/649, Universitätstraße 150, 44801, Bochum, Germany
Phone	(0234)32-29891
Fax	(0234)32-14259
E-mail	gurevich@lat.rub.de

Research Experience

01.01.2012	Assistant Professor (W1) at the Chair of Applied Laser Technologies, Ruhr-University of Bochum. Successful mid-term evaluation: 13.11.2014
2006-2011	Postdoctoral researcher at ISAS-Institute for Analytical Sciencies, Dortmund, Germany. Research Group of Dr. Roland Hergenröder.
2004-2006	Postdoctoral researcher, Max-Planck Institute for Dynamics and Selforganization, Göttingen, Germany. Research Group of Prof. Stephan Herminghaus.
2000-2004:	Doctoral student, Institute of Applied Physics, University of Münster, Germany. Research Group of Prof. Hans-Georg Purwins
1998-2000:	Research Engineer, JSC Mettek, St.-Petersburg, Russia
1994-2000:	Graduate student, St.-Petersburg State Technical University, Department of Plasma Physics and Ioffe Physical Technical Institure, St.-Petersburg, Russia

Teaching Experience

Summer Term 2017-2018	"Introduction to Nonlinear Optics" (Lectures, 2 Hours/Week, Nr.:139900). Ruhr-Universität Bochum (International master *Lasers and Photonics*).
Summer Term 2012-2018	"Laser Technology" (Lectures and Exercises, 4 Hours/Week, Nr.:139950). Ruhr-Universität Bochum (International master program *Lasers & Photonics*).
Summer Term 2012-2016	"Ultrashort Laser Pulses and Nonlinear Optics" (Lectures, 2 Hours/Week, Nr.:139900). Ruhr-Universität Bochum (Int. program *Lasers and Photonics*).

[1] Currently until 31.12.2018. Will be extended until May 2021, see Arbeitsplatzzusage.pdf

Winter Term 2012-2018	"Laser Metrology" (Lectures and Exercises, 4 Hours/Week, Nr.:139930). Ruhr-Universität Bochum (International master program *Lasers and Photonics*).
Winter Term 2012-2018	"Journal Club" (Literature seminar, 2 Hours/Week, Nr.:143263). Ruhr-Universität Bochum (International master program *Lasers and Photonics*).
Winter Term 2010, 2011	"Einführung in die Nichtlineare Physik" (Lectures and Exercises, 4 SWS, Nr.:114020). Lehrauftrag der Universität Münster.

Ten Selected Publications

[1] Maren Kasischke, Stella Maragkaki, Sergej Volz, Andeas Ostendorf and **Evgeny L. Gurevich**. Simultaneous nanopatterning and reduction of graphene oxide by femtosecond laser pulses. *Appl. Surf. Sci.*, 445:197–203, 2018.

[2] **Evgeny L. Gurevich**, Yoann Levy, Svetlana V Gurevich, and Nadezhda M Bulgakova. Role of the temperature dynamics in formation of nanopatterns upon single femtosecond laser pulses on gold. *Phys. Rev. B*, 95:054305, 2017.

[3] Alexander Kanitz, Jan S. Hoppius, Maria del Mar Sanz, Marco Maicas, Andreas Ostendorf, and **Evgeny L. Gurevich**. Synthesis of magnetic nanoparticles by ultrashort pulsed laser ablation of iron in different liquids. *ChemPhysChem*, 18:1155–1164, 2017.

[4] J. Köhler, J. Friedrich, A. Ostendorf, and **E. L. Gurevich**. Characterization of azimuthal and radial velocity fields induced by rotors in flows with a low reynolds number. *Phys. Rev. E.*, 93:023108, 2016.

[5] J. Köhler, R. Ghadiri, S. Ksouri, Q. Guo, **E. L. Gurevich**, and A. Ostendorf. Generation of microfluidic flow using an optically assembled and magnetically driven microrotor. *J. Phys. D: Appl. Phys.*, 47:505501, 2014.

[6] **E. L. Gurevich** and S. V. Gurevich. Laser induced periodic surface structures induced by surface plasmons coupled via roughness. *Appl. Surf. Sci.*, 302:118–123, 2014.

[7] **E. L. Gurevich**. Self-organized nanopatterns in thin layers of superheated liquid metals. *Phys. Rev. E*, 83:031604, 2011.

[8] R. Seemann, M. Brinkmann, S. Herminghaus, K. Khare, B. M. Law, S. McBride, K. Kostourou, **E. Gurevich**, S. Bommer, C. Herrmann, and D. Michler. Wetting morphologies and their transitions in grooved substrates. *J. Phys.-Cond. Matter*, 23:184108, 2011.

[9] **E. L. Gurevich** and R. Hergenröder. Femtosecond laser-induced breakdown spectroscopy: Physics, applications, and perspectives. *Appl. Spectroscopy*, 61:233A, 2007.

[10] K. Khare, M. Brinkmann, B. M. Law, **E. L. Gurevich**, S. Herminghaus, and R. Seemann. Dewetting of liquid filaments in wedge-shaped grooves. *Langmuir*, 23:12138–12141, 2007.