Curriculum Vitæ

Ilya Martchenko

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Current address: Physical Chemistry 1, Lund University,
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Research interests

Experimental soft condensed matter

Investigation of its structural properties by optical, hydrodynamic methods

Colloids, tailored nanoparticles, complex fluids, polymer solutions, auto-assembly and liquid crystalline systems, surfactants, foams, films, gels, porous materials, dendrimers, polyelectrolytes, micelles, vesicles

DLS, DDLS, 3D DLS, SLS, TEM, SAXS, SANS, DWS, UV/VIS spectrometry, Kerr effect, rheooptics, (micro)rheology

Education

2012 PhD, University of Fribourg, Switzerland

research area: soft matter physics and nanoscience, focus on colloidal model systems with tunable size and interactions

expected PhD thesis title: Physics of strongly interacting anisotropic particles

advisor: prof. Peter Schurtenberger

2009 Master of Science (condensed matter physics), St Petersburg State University, Russia

M.Sc. thesis title: Electrooptical and dynamic properties of third-generation cylindrical dendrimers in solutions

advisor: prof. Nikolai Tsvetkov

2006 B.Sc. (physics), St Petersburg State University, Russia

graduation thesis title: Macromolecules of cylindrical dendrimers based on *L*-aspargic acid in chloroform solutions: electrooptical, optical and hydrodynamic properties

advisor: prof. Nikolai Tsvetkov

2002 Akademicheskaya Gimnaziya of St Petersburg State University (secondary school, focus on physics, maths, languages)

graduation research project title: Physical and chemical aspects of Liesegang rings formation

advisor: Anatoly Osadchev (Institute of Macromolecular Compounds, Russian Academy of Sciences)

Publications (soft matter physics)

Journal articles and preprints:

- Hydrodynamic properties of magnetic nanoparticles with tunable shape anisotropy: prediction and experimental verification (first author, *with Hervé Dietsch, Christian Moitzi, Peter Schurtenberger.*) The Journal of Physical Chemistry B, Vol. 115, Iss. 49, 143838–14845 (2011), **doi:**10.1021/jp2078264. **Front cover of the journal**
- Nanoengineering of partially dissolved silica coated hematite ellipsoids (first author, *with Mathias Reufer, Jérôme J. Crassous, Peter Schurtenberger, Hervé Dietsch.*) In final preparation (2012)
- Hydrodynamic shape of nanoparticles in a viscous fluid: evidence for a boundary layer (first author, *with Peter Schurtenberger.*) In preparation (2012)
- Hydrodynamic, optical and electrooptical properties of macromolecules of third-generation cylindrical dendrimers in chloroform and dichloroacetic acid (*with Nikolai Tsvetkov, Larisa Andreeva, Sergei Filippov, Stanislav Bushin, Marina Bezrukova, Irina Strelina, Victoria Alyab'eva, Nina Girbasova, Alexander Bilibin.*) Polymer Science Series A, Vol. 52, No. 1, 8–18 (2010), **doi:**10.1134/S0965545X10010025
- Third-generation cylindrical dendrimers based on *L*-aspargic acid in solutions: hydrodynamic and electrooptical properties (first author, *with Nikolai Tsvetkov.*) Proceedings of MIPT, Vol. 2, No. 2, 28–34 (2010), **arXiv:**0809.3907v1
- Structural and dynamic properties of concentrated suspensions of ellipsoids (first author, *with Chantal Rufier, Jérôme J. Crassous, Mathias Reufer, Hervé Dietsch, Peter Schurtenberger.*) In preliminary preparation (2012)
- Synthesis and characterization of mini hematite ellipsoids (*with Chantal Rufier, Hervé Dietsch, Peter Schurtenberger.*) In preliminary preparation (2012)

- Maxwell and Kerr effects in solutions of macromolecules with dendrons in side groups (*with Nikolai Tsvetkov, Larisa Andreeva, Irina Strelina, Tatyana Dmitrieva, Nina Girbasova, Alexander Bilibin.*) Proc. 4th Kargin Conf., Vol. 3, 65 (2007), **arXiv:**0905.0153v1

Contributed, peer reviewed conference papers:

- Dynamics and ordering of ellipsoidal magnetic nanoparticles probed with light and X-rays (first author, *with Jérôme J. Crassous, Chantal Rufier, Hervé Dietsch, Mathias Reufer, Peter Schurtenberger*.) Abstr. *9th Nordic Workshop on Scattering from Soft Matter* (Chalmers U. Tech., Gothenburg, Jan. 18–19, 2012) Talk
- Dynamics and ordering of ellipsoidal nanoparticles: from low to high volume fractions (first author, *with Jérôme J. Crassous, Chantal Rufier, Hervé Dietsch, Mathias Reufer, Peter Schurtenberger*.) Abstr. *Swiss Soft Days 6 & Annual Meeting of the Swiss Group of Rheology* (ETH Zürich, Oct. 28, 2011), p. 37. Poster n/a
- Structural and dynamic properties of concentrated suspensions of ellipsoids (first author, *with Chantal Rufier, Jérôme J. Crassous, Hervé Dietsch, Peter Schurtenberger*.) Abstr. *8th Liquid Matter Conf.* (Univ. of Vienna, Sept. 6–10, 2011), p. O5-11. Talk
- Variation in the properties of humic acids in buried soils (*with Alexander Ryumin, Irina Kechaikina*, in Russian.) Proc. Int'l Conf. *Resource Potential of Soils* (St Petersburg State Univ., Mar. 1–4, 2011), pp. 455–458. Talk
- Hydrodynamic properties of core-shell nanoparticles with tunable shape anisotropy (first author, *with Hervé Dietsch, Christian Moitzi, Peter Schurtenberger*.) Proc. *Int'l Soft Matter Conf. 2010* (Univ. of Granada, July 5–8, 2010), p. 356. Poster
- Macromolecules with side dendrons based on *L*-aspargic acid: properties and conformational analysis (single author, in Russian.) Abstr. *Physics and Progress 2008* (St Petersburg State Univ., Nov. 19–21, 2008), p. 111. Talk
- Hydrodynamic, optical and electrooptical properties of hyper-branched macromolecules with side dendrons based on *L*-aspargic acid *(with Stanislav Bushin, Nikolai Tsvetkov, Vera Ivanova, Larisa Andreeva, Nina Girbasova, Victoria Alyabyeva, Alexander Bilibin.*) Abstr. 6th Int'l Symposium *Molecular Order and Mobility in Polymer Systems* (St Petersburg, Russia, June 6–8, 2008), p. 98. Poster
- Electrooptical and hydrodynamic properties of the macromolecules of third-generation cylindrical dendrimers with dendrons based on *L*-aspargic acid (first author, with *Nikolai Tsvetkov, Larisa Andreeva, Stanislav Bushin*.) Proc. 4th *Modern Problems of Polymer Science* (Inst. of Macromolecular Compounds, Russian Acad. Sci., Apr. 15–17, 2008), p. 2-P-68. Poster
- Third-generation cylindrical dendrimers (based on *L*-aspargic acid) in solutions: hydrodynamic and electrooptical properties (first author, *with Nikolai Tsvetkov,* in Russian.) Proc. 50th *Scientific Conf. of Moscow Inst. of Physics and Technology* (Moscow, Dolgoprudny, Nov. 23–26, 2007), pp. 98–99. Talk
- Macromolecules of third-generation cylindrical dendrimers based on *L*-aspargic acid in chloroform solutions: electrooptical, optical and hydrodynamic properties (first author, *with Nikolai Tsvetkov*.) Abstr. 3rd *Modern Problems of Polymer Science* (Inst. of Macromolecular Compounds, Russian Acad. Sci., Apr. 17–19, 2007), p. 220. Poster
- Internal structure and elastic properties of aqueous foams evolving in time: a computer simulation, microscopic photography and acoustic study (first author, *with Dmitry Martchenko*.) Proc. *Physics and Progress 2006* (St Petersburg State Univ., Oct. 25–27, 2006), pp. 226–229. Talk
- Third-generation cylindrical polymers based on *L*-aspargic acid in chloroform solutions: electrooptical, optical and hydrodynamic properties. Proc. *Physics and Progress 2006* (single author, St Petersburg State Univ., Oct. 25–27, 2006), p. 184–186. Talk
- Formation of Liesegang rings: the physical aspects for the cases of translational and radial diffusion. Proc. *Physics and Progress 2005* (single author, St Petersburg State Univ., Nov. 1–3, 2005), pp. 9–11. Talk
- The qualitative study of Devaux's phenomenon. Abstr. *Physics and Progress 2005* (single author, St Petersburg State Univ., Nov. 1–3, 2005), p. M-07. Talk
- Physical models for Liesegang rings formation at translational and radial diffusion (in Russian.) Abstr. *Modern Problems of Polymer Science* (single author, Inst. of Macromolecular Compounds, Russian Acad. Sci., Feb. 1–3, 2005), part 2, p. 59. Poster

Selected other refereed publications

Content-based second language acquisition:

- Content-based textual criticism applied to a modern scientific discourse: restoring the problems for the early IYPTs. In preparation (2012)
- Interactive exercises in teaching skills of Slavic languages of science and technology (first author, *with Jakub Olech, Tymofii Nikolaienko*, in Russian.) Proc. 39th Int'l Philological Conf. (St Petersburg State Univ., Mar. 15–20, 2010)
- Instant messaging with native speaker as a language learning strategy (first author, *with Jakub Olech*, in Russian.) Proc. 38th Int'l Philological Conf. (St Petersburg State Univ., Mar. 16–21, 2009)
- Use of internet encyclopedia Wikipedia in learning languages of science and technology and in scientific/technical translation (single author, in Russian.) Proc. 37th Int'l Philological Conf. (St Petersburg State Univ., Mar. 11–15, 2008)
- French and English in university communication: a work and teaching experience (*with Dmitry Lisachenko*, in French.) Submitted in Nov. 2007 to *French and English in contact in situations of learning: sociolinguistic and didactical perspectives* (ed. Gilles Forlot, Éditions l'Harmattan, Collection *Espaces Discursifs*)
- Understanding scientific and technical texts in an unfamiliar language: role of background knowledge, motivation and comparative analysis (first author, *with Dmitry Lisachenko*, in Russian.) Proc. 36th Int'l Philological Conf. (St Petersburg State Univ., Mar. 12–17, 2007)
- Methods of statistical physics used to describe the internal structure of human languages: simple models, analogies and discussion. Abstr. *Physics and Progress 2006* (single author, St Petersburg State Univ., Oct. 25–27, 2006), p. 91

- Acquisition of a foreign language as a language of professional communication: error analysis (*with Dmitry Lisachenko, Maria Sorkina, Irina Kravchenko*, in Russian.) Proc. 35th Int'l Philological Conf. (St Petersburg State Univ., Mar. 13–18, 2006)

Physics education and popular physics:

- IYPT Archive: a glimpse into the history, development, and educational expertise of the IYPT. IYPT Magazine (ASAP, 2012)
- International Young Physicists' Tournament. World Gifted, Vol. 29, No. 1, 13–15 (2010)
- Detailed history of early International Young Physicists' Tournaments in 1988–1993 (*IYPT Archive* preprint, 2011)
- Origins and history of Young Physicists' Tournaments in 1979–1988 (in preparation, 2012)
- Series of investigative interviews with participants and organizers of early International Young Physicists' Tournaments, 1988–1994; proceedings of the project focused on restoring the problems for early YPTs and IYPTs, their systematization, translation into English (since 2007)
- Annual auxiliary materials for participants of Young Physicists' Tournaments, bibliography indexes, sets of advices, open ended guidelines, tutorials (in English, Russian, since 2002)
- A physicist uses Wikipedia: is it reliable and what are the benefits? Proc. *Physics and Progress 2007* (St Petersburg State Univ., Nov. 14–16, 2007), p. 148
- A ball lifts in a rotating vessel: observations and explanation. Proc. *Physics and Progress 2007* (St Petersburg State Univ., Nov. 14–16, 2007), p. 149
- Analogies between electric current and fluid flow (in Russian.) Abstr. *Universitetskaya Gimnaziya 2002* (St Petersburg State Univ., Mar. 25–29, 2002), pp. 83–86
- A quantitative analysis of physical and chemical processes in burning out of filaments in incandescent light bulbs (in Russian.) Proc. 25th *All-Russian Scientific and Practical Chemistry Conf.* (St Petersburg State Univ., Mar. 20–Apr. 1, 2001)

Chemistry education:

- Analytical, qualitative problems in *Chemistry Problems with Solutions* (*eds Anna Kartsova, Valentin Rassadin*, St Petersburg State Univ., 2004, in Russian), pp. 56–57, 59–61, 127–132

History and toponymy:

- Problems of coverage of the Soviet-Finnish war (1939–1940) and its consequences in Soviet press (in Russian.) Proc. *Kolmogorovskie Chteniya* (Moscow State Univ., May 6–9, 2002)
- History and modern state of Finno-Ugric place-names in the toponymy of St Petersburg, North Karelia and Ingria (in Russian.) Abstr. *Universitetskaya Gimnaziya 2002* (St Petersburg State Univ., Mar. 25–29, 2002), pp. 128–130

Talks, seminars

- *International Young Physicists' Tournament: overview,* Fysikbro, Univ. of Gothenburg, Chalmers U. Tech. (Oct. 12, 2011)
- *Presentation and overview of the IYPT Archive*, IYPT, Int'l Organizing Committee Meeting, Isfahan (July 30, 2011)
- *Presentation of the IYPT Archive*, AYPT, Univ. of Leoben (May 5, 2011)
- *How to join the Brownian Movement in three easy steps*, Belarusian State Univ. (Mar. 5, 2011)
- *Predicting rotational and translational mobility of model nanoellipsoids*, Lund Univ. (Mar. 2, 2011)
- *Phase diagrams, structure, and dynamics of anisotropic colloids,* Lund Univ. (Oct. 22, 2010)
- *Dynamics of silica-coated hematite anisotropic particles,* 10th European School on *Scattering Methods Applied to Soft Condensed Matter* in Bombannes, Inst. Laue-Langevin (June 14, 2010)
- *Hydrodynamic properties of anisotropic particles,* Adolphe Merkle Inst., Univ. of Fribourg (May 21, 2010)
- *A comment on 3D Brownian diffusion of submicron-sized particle clusters,* Adolphe Merkle Inst., Univ. of Fribourg (Mar. 28, 2010)
- *Elongated model nanoparticles: combination of TEM, DLS, and DDLS studies,* Adolphe Merkle Inst., Univ. of Fribourg (Nov. 30, 2009)
- *Controlled partial dissolution of hematite cores in core-shell nanoparticles,* Adolphe Merkle Inst., Univ. of Fribourg (Nov. 20, 2009)
- *Size distributions of tunable hematite cores in nanoengineered hollow silica-shell ellipsoidal particles,* Adolphe Merkle Inst., Univ. of Fribourg (Oct. 26, 2009)
- *Notes on computational linguistics and language learning,* Language Courses, Faculty of Philology and Arts, St Petersburg State Univ. (Mar. 1, 2009)
- *Electrooptical and dynamic properties of 3G cylindrical dendrimers in solutions*, Adolphe Merkle Inst., Univ. of Fribourg (Feb. 5, 2009)
- *Thermodynamic and hydrodynamic properties of dilute solutions of cyclic and linear polystyrenes*, Inst. of Physics, St Petersburg State Univ. (Oct. 1, 2008)
- *Why learn languages: some personal experience and curious examples*, Language Courses, Faculty of Philology and Arts, St Petersburg State Univ. (Sept. 1, 2008)
- *Application of spherical dendrimers with chromophoric substituents as light-harvesting antennas*, Inst. of Physics, St Petersburg State Univ. (May 7, 2008)
- *Holding a Physics Fight in English language. Role of the Review stage at the TYuF GSR.* TYuf GSR launch round table, Russian Foundation for Education Support (Apr. 17, 2008)

- *Multilingual Wikipedia as a language aid for a physicist* (talk). *Neutrality in Wikipedia* (round table). *Interaction between Wikipedia and scientific community* (round table). 1st Russian Wikiconference, St Petersburg (Oct. 27–28, 2007)
- *What is common among human languages: a physicists' approach to the subject*, Dept of Physics, St Petersburg State Univ. (Feb. 16, 2007)
- *Foam physics*, Russian-Polish Physics School, Dept of Physics, St Petersburg State Univ. (Feb. 13, 2007)
- *Science Museum in 21st Century*, Dynasty Foundation's round table (Nov. 27, 2006)

Workshops, schools

- 10th Annual Surface and Colloid Symposium *Molecular Processes at Solid Surfaces*, Lund Univ. and Swedish Chem. Soc. (Nov. 24–26, 2010)
- 23rd Annual User Meeting, *MAX-lab* laboratory, Swedish Research Council and Lund Univ. (Nov. 8–10, 2010)
- 2nd *Swiss Soft Days*, École Polytechique Fédérale de Lausanne (June 23, 2010)
- 10th European School on *Scattering Methods Applied to Soft Condensed Matter* in Bombannes, Inst. Laue-Langevin (June 12–19, 2010)
- *Natotech Day Fribourg,* Adolphe Merkle Inst., Univ. of Fribourg (Oct. 1, 2009)
- *Sun Tech Days,* Sun Microsystems, St Petersburg (2009, 2007)
- *Fedorovskie chteniya,* Faculty of Philology and Arts, St Petersburg State Univ. (2008, 2007, 2006, 2005), research and practical talks and lectures in written translation and interpretation, workshops on consecutive, simultaneous interpreting
- *Polymerization Mechanism and Polymer Synthesis* laboratory, Inst. of Macromolecular Compounds, Russian Acad. Sci., research practice in physical chemistry (June 2001)

Computer skills

Win/Mac/Linux

LaTeX, html, CSS, office and graphics software, web CMSs, web 2.0 services

WoS, arXiv, bibliography indexes, experience in retrieving gray literature

Origin, SASfit, sansview, ImageTool, (basic) MATLAB, and other data processing environments

TRADOS

Languages

- Russian, native speaker
- English, fluent
- French, fluent
- Polish, Belarusian, fluent; other Western, Eastern and South Slavic languages, strong written and oral comprehension and communication skills, experience of professional communication
- German, basic; Spanish, Italian, Portuguese (and other Romance languages), basic
    - interested in Indo-European comparative linguistics and SLA research, with published peer-reviewed papers, some in co-authorship with linguists
    - experienced interpreter, translator, copy editor, and language tutor with an emphasis on languages for special purposes; long-term professional experience in multilingual environment, e.g. teaching a French-language semester physics exercise course at the University of Fribourg
    - responsible editor of books (2008, 2006 (ii)) and webpage (since 2008) by independent award-winning Russian poet Elena Shostak
    - registered contributor at English, Russian, Belarusian, Polish, and French Wikipedias
    - independent and collaborative (with Dmitry Lisachenko) freelance projects in consecutive French-Russian, English-Russian, Polish-Russian interpretation for *Envirolyte France & Afrique*, *NPO Izumrud Russia*, St Petersburg Oncological Coloproctology Centre; *NPO Ecros Russia* with manuals from *Analytik Jena*; *St Petersburg Technical Translations* with manuals, advertisement from *Rexam plc*, *Avaya Inc.*, *Mettler Toledo, Loyola Enterprises Inc.*; consecutive conference interpretation at St Petersburg State University (since 2001)
    - on-air experience with Polish Radio (2008), Russian Channel 5 (2005–2008), Télévision Suisse Romande (2010)

Awards

Education, teaching and undergraduate research honors:

- International Young Physicists' Tournament, team leader and supervisor (2006, 2005, 2004 n/a) of bronze-winning Russian national teams (2006, 2004 n/a), team member (2001) with a group distinction for the most balanced team
- Austrian Young Physicists' Tournament, team leader and supervisor (2008, 2007) of silver-winning Russian national teams
- All-Russian Young Physicists' Tournament, team leader and supervisor of gold (2006, 2005, 2004), silver (2008, 2007), bronze (2003) winning teams, silver winner (2002, 2001) in team score, gold winner (2002, 2001) in personal ratings, team captain (2002)

- Local Young Physicists' Tournament, team leader and supervisor of top rank teams (since 2003), gold (2002, 2001) winner in team score and in personal ratings
- Dean's shortlist of best undergrads at the Dept of Physics, St Petersburg State Univ. (since 2002)
- *First Step to Nobel Prize in Physics*, Inst. of Physics, Polish Acad. Sci., participation with *The effect of optical rectification as a sensitive method of investigation of defective structure of organic films* (2002)
- Distinctions and awards for undergraduate research projects presented at plenary talks at 5+ research conferences for secondary school students at Moscow State Univ. and St Petersburg State Univ. (in physics, chemistry, history, 2001, 2002)
- St Petersburg Chemistry Olympiad, silver (2002, 2000), bronze (2001) winner
- St Petersburg Physics Olympiad, gold (1999, 1998), bronze (2002) winner

Scholarships and graduate-level awards:

- Adolphe Merkle Foundation, Fribourg Center for Nanomaterials, Swiss National Science Foundation, PhD scholarship (since 2009)
- Moscow Inst. of Physics and Technology's silver award for the research of hydrodynamic and electrooptical properties of third-generation cylindrical dendrimers in solutions (2007)
- Ukrainian Physicists' Tournament for University Students, Kyiv National Univ., team captain of the gold co-winning St Petersburg State University team, gold winner in personal score (2007)
- Moscow State Univ.'s and *InnoCentive*'s All-Russian Chemistry Olympiad for graduates and PhD students, bronze winner (2003)
- *Physics and Progress* conferences, St Petersburg State Univ., distinctions for research excellence (2005–2008)
- *Scientific Inquiry* Olympiad for physics undergrads, Dept of Physics, St Petersburg State Univ., gold winner (2006, 2005)

Teaching experience

- Faculty of Science, Univ. of Fribourg, taught undergraduate exercise course in electricity, magnetism, and optics (*Physique-II*) as a teaching assistant to prof. Christian Bernhard, led problem-solving seminars, organized tests for a group of 20 students, co-authored weekly tutorials to several groups of students and teaching assistants, co-organized examination for a group of *ca.* 200 students during a spring semester (2010)
- Taught, advised and co-supervised teams of secondary school students preparing to international, national and local Young Physicists' Tournaments (led regular seminars, lab sessions, discussion groups with about 5…10 students in a group, made talks and presentations, assisted students with research-based problems via long-term correspondence) since 2002
    - 120…150 research projects in "everyday life" physics directly advised since 2002, all lead to proper written reports and presentations at university-based meetings
    - 70…80 with nontrivial results, won awards at international and local research-oriented competitions, lead to publications at university-based "school science" proceedings
    - 10…12 ended with peer reviewed papers at university-based conferences
- Taught English for Special Purposes, e.g. to members of Russian national teams at IYPTs and AYPTs
- University science fairs, physics popularization talks and demos
- Seminars on the usage of Origin, arXiv.org, LaTeX, Wikipedia
- Freelance private tutor (since 2003)

Service, affiliations, fellowship

- Adolphe Merkle Inst. and Fribourg Center for Nanomaterials, Univ. of Fribourg, research assistant (since 2009)
- Faculty of Science, Univ. of Fribourg, teaching assistant (since 2010), research assistant (since 2011)
- Division of *Physical Chemistry 1*, Faculty of Science, Lund Univ., visiting researcher (since 2010)
- Swiss Neutron Spallation Source SINQ (SANS-*II* facility), Swiss Light Source SLS (cSAXS beamline), Paul Scherrer Inst., visiting user (since 2009)
- Vermant research group, Dept. of Chem. Engineering, Univ. of Leuven, short-term visitor (2011)
- *Igra Uma* TV show, Russian Channel 5, author and presenter of regular *ca.* biweekly physics questions and demonstrations, aired nationwide in Russia (2005–2008)
- International Young Physicists' Tournament, jury chairman (2011), committee member for problem selection (2012), problem author and contributor (2011, 2010, 2009), archivist and historical researcher (since 2007) with *IYPT Archive* project (since 2011)
- Austrian Young Physicists' Tournament (Univ. of Leoben), jury chairman (2012, 2011, 2010), juror (2009, 2008)
- Swiss Young Physicists' Tournament (Naturwissenschaftliches Inst., MNG Rämibühl Zürich), juror chairman (2010)
- Belarusian Republican Young Physicists' Tournament (Belarusian State Univ.), juror, speaker (2011, 2010)
- Polish National Young Physicists' Tournament (Inst. of Physics, Polish Acad. Sci.), juror (2010, 2009)
- Slovak Young Physicists' Tournament (Slovak Acad. Sci., Slovak Youth Inst.), keynote speaker (2010)
- Swedish Young Physicists' Tournament (Malmö Borgarskola), speaker (2012), invited observer (2011)

- International, Ukrainian, and All-Russian *Physicists' Tournaments* for University Students (Kyiv National Univ., Moscow Inst. of Physics and Technology), problem author, member of the problem selecting community (2011, 2010, 2009, 2008)
- Centre du Français Scientifique, St Petersburg State Univ., activist and researcher (since 2002)
- POISK Centre, St Petersburg State Univ., among three founding members in 2004, responsible for preparation of teams representing Russia at IYPTs, AYPTs, responsible for language programs, seminars, keynote and warm-up meetings, news releases, communication, infrastructure, event organization, IT coordination (since 2004); speaker, host, juror, jury chairman and member of LOCs (since 2004) at POISK Centre's events, at Local Young Physicists' Tournament (since 2003)
- *Scientific Inquiry* Olympiad for undergraduate students (Dept of Physics, St Petersburg State Univ.), juror (2007)

References

- Prof. Peter Schurtenberger, Lund Univ., Sweden peter.schurtenberger@fkem1.lu.se, +46 46 222 8219
- Dr Hervé Dietsch, Univ. of Fribourg, Switzerland herve.dietsch@unifr.ch, +41 26 300 9254
- Prof. Nikolai Tsetkov, St Petersburg State Univ., Russia n.tsvetkov@mail.ru, +7 911 910 1285
- Dr Dmitry Lisachenko, St Petersburg State Univ., Russia da@fr.spb.ru, +7 921 752 9688
- Dr Alla Sotnikova, St Petersburg State Univ., Russia allasotnikova111@gmail.com, +7 812 328 9715
- Dr Martin Plesch, Masaryk Univ., Czech Republic plesch@savba.sk, +420 549 49 4365

Personal and contact details

Name: Martchenko, Ilya

- sometimes spelled *Marchenko*, as in several papers, due to Russian transliteration variances; original Russian spelling is *Илья Анатольевич Марченко;* has been also spelled in media, public sources and official documents as *Ільля Марчанка, Ilja Marczenko, Ілля Марченко*

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