

CONTACT INFORMATION	INRIA - SIERRA project-team 2 rue Simone Iff 75012 Paris dmitrii.ostrovskii@inria.fr
WEBSITE	dostrovsky.com
PERSONAL DATA	Place of birth: Samara, Russia
PRESENT OCCUPATION	<b>ERCIM Alain Bensoussan Postdoctoral Fellow</b> <i>Feb 2018 – present</i> Host institution: INRIA Paris. Hosts: Francis Bach (INRIA Paris), Peter Grünwald (CWI Amsterdam).
RESEARCH INTERESTS	<ul style="list-style-type: none"><li>- Statistical signal processing;</li><li>- Statistical theory;</li><li>- Computationally efficient and robust statistical learning.</li></ul>
DEGREES	Ph.D., Université Grenoble Alpes. <i>January 2018</i> <ul style="list-style-type: none"><li>• Thesis: <i>Adaptive Signal Recovery by Convex Optimization.</i> Advisers: Anatoli Juditsky, Zaid Harchaoui, Laurent Desbat.</li></ul> M.S., Moscow Institute of Physics and Technology. <i>July 2014</i> <ul style="list-style-type: none"><li>• Thesis: <i>Concentration Inequalities for the Exponential Weighting Method.</i> Adviser: Yuri Golubev.</li></ul> B.S., Moscow Institute of Physics and Technology. <i>July 2012</i> <ul style="list-style-type: none"><li>• Thesis: <i>Analytical Study of NHDP Link Management Protocol.</i> Adviser: Andrey Lyakhov.</li></ul> Yandex School of Data Analysis  M.S. in Computer Science and Machine Learning <i>Sep 2011 – Jul 2013</i> <ul style="list-style-type: none"><li>• GPA: 5.0/5.0</li></ul>
PREPRINTS	Efficient first-order algorithms for adaptive signal denoising. (D. Ostrovskii, Z. Harchaoui). Submitted.  Adaptive signal denoising with approximate shift-invariance. (D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski). To be submitted to IEEE Transactions on Information Theory.  Adaptive deconvolution by convex optimization. (D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski). To be submitted.

CONFERENCE PUBLICATIONS

Structure-blind signal recovery (D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski). *Neural Information Processing Systems (NIPS 2016)*. arXiv:1607.05712.

Adaptive recovery of signals by convex optimization. (Z. Harchaoui, A. Juditsky, A. Nemirovski, D. Ostrovskii). *Conference on Learning Theory (COLT 2015)*. hal:01250215.

Dynamic resource allocation for MCCA-based streaming in Wi-Fi mesh networks. E. Khorov, A. Krasilov, A. Lyakhov, D. Ostrovskii). *Wireless Access Flexibility 2013*.

Analytical study of neighborhood discovery and link management in OLSR. E. Khorov, A. Kiryanov, A. Lyakhov, and D. Ostrovskii. *IFIP Wireless Days 2012*.

JOURNAL PUBLICATIONS

Concentration inequalities for the exponential weighting method. Y. Golubev and D. Ostrovskii. *Mathematical Methods of Statistics*, vol. 23, no. 1, pp. 20-37, 2014.

A dynamic channel reservation method for multimedia streaming in Wi-Fi Mesh networks. A. Krasilov, A. Lyakhov, D. Ostrovskii, and E. Khorov. *Automation and Remote Control*, vol. 74, no. 9, pp. 1460-1473, 2013.

Analytical study of the quality of links established by the neighbourhood discovery protocol. A. Lyakhov, D. Ostrovskii, and E. Khorov. *Journal of Communications Technology and Electronics*, vol. 57, no. 12, pp. 1314-1321, 2012.

RESEARCH EXPERIENCE

Visting Researcher University of Washington, Seattle, 2017-2018.

- Efficient Algorithms for Large-Scale and Robust Supervised Learning.  
Host: Zaid Harchaoui.

Research Intern INRIA Grenoble, 2014.  
Research Assistant Institute for Information Transmission Problems, 2011-2013.

COMMUNITY SERVICE

Reviewer: COLT 2016, NIPS 2016, ICML 2017, ALT 2018.  
Co-organizer: Khronos-Persyvact Spring School 2015, Grenoble.

TEACHING

Calculus for science and engineering, 2015/16, 2016/17.  
Statistical methods in biology, 2015/16

TALKS

SIERRA Team seminar, INRIA Paris, 2018.  
PhD Defense, Université Grenoble Alpes, 2018.  
Institut für Mathematische Stochastik, University of Goettingen, 2017.  
INP-ENSEEIH, Toulouse, 2017.  
ORFE seminar, Princeton, 2017.  
NIPS 2016, Barcelona (poster).  
PGMO Days 2016, Palaiseau.  
Optimization without Borders 2016, Les Houches.  
COLT 2015, Paris (spotlight).  
Statlearn 2015, Grenoble.

OTHER VENUES Meeting in Mathematical Statistics 2015, Fréjus.  
 Optimization and Statistical Learning 2015, Les Houches.  
 Meeting in Mathematical Statistics 2014, Luminy.  
 ICML 2015, Lille.  
 Machine Learning and Very Large Data Sets 2013, Moscow.  
 International Workshop on Statistical Learning 2013, Moscow.

SCIENTIFIC SCHOOLS Structural Inference 2016, Brodten.  
 GPU for Signal and Image Processing 2015, Grenoble.  
 Machine Learning Summer School 2015, Kyoto.  
 Khronos-Persyvact Spring School at *Statlearn* 2015 workshop, Grenoble.  
 Microsoft School on Algorithms for Massive Data 2013, Moscow.

HONORS ERCIM Alain Bensoussan Postdoctoral Fellow, 2018-2019;  
 Increased State Academic Scholarship of the Russian Government, 2012-2014;  
 Abramov-Frolov Fund Scholarship, 2009-2011.

OTHER ACTIVITIES Mathematical blog [ostrodmit.wordpress.com](http://ostrodmit.wordpress.com)

LANGUAGE SKILLS English (proficient, 113/120 ToEFL) Russian (native)  
 French (fluent) German (basic)