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| CONTACT INFORMATION     | INRIA - SIERRA project-team<br>2 rue Simone Iff<br>75012 Paris<br>dmitrii.ostrovskii@inria.fr  |
| WEBSITE                 | dostrovsky.com   |
| CURRENT POSITION        | <b>ERCIM Alain Bensoussan Postdoctoral Fellow</b> <i>Feb. 2018 – present</i><br>Host institution: INRIA Paris.<br>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                 | <b>PhD, Université Grenoble Alpes</b> <i>Oct. 2014 – Jan. 2018</i> <ul style="list-style-type: none"><li>• Thesis: <i>Adaptive Signal Recovery by Convex Optimization.</i><br/>Advisers: Anatoli Juditsky, Zaid Harchaoui, Laurent Desbat.</li></ul> <b>MSc, Moscow Institute of Physics and Technology</b> <i>Sep. 2012 – Jul. 2014</i> <ul style="list-style-type: none"><li>• Thesis: <i>Concentration Inequalities for the Exponential Weighting Method.</i><br/>Adviser: Yuri Golubev.</li></ul> <b>BSc, Moscow Institute of Physics and Technology</b> <i>Sep. 2008 – Jul. 2012</i> <ul style="list-style-type: none"><li>• Thesis: <i>Analytical Study of NHDP Link Management Protocol.</i><br/>Adviser: Andrey Lyakhov.</li></ul> |
| PREPRINTS               | <b>Finite-Sample Analysis of M-Estimators using Self-Concordance.</b><br>With F. Bach.<br><i>Submitted, 2018.</i><br><br><b>Adaptive Denoising of Signals with Shift-Invariant Structure.</b><br>D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski.<br><i>Submitted, 2018.</i><br><br><b>Adaptive Deconvolution by Convex Optimization.</b><br>D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski.<br><i>In preparation, 2018.</i><br><br><b>Sublinear-Time Training of Multiclass Classifiers with Fenchel-Young Losses.</b><br>With D. Babichev.<br><i>In preparation, 2018.</i>  |
| CONFERENCE PUBLICATIONS | <b>Efficient First-Order Algorithms for Adaptive Signal Denoising.</b><br>D. Ostrovskii, Z. Harchaoui.<br><i>ICML 2018. arXiv:1803.11262.</i>  |

**Structure-Blind Signal Recovery.**

D. Ostrovskii, Z. Harchaoui, A. Juditsky, A. Nemirovski.  
*NIPS 2016. arXiv:1607.05712.*

**Adaptive Recovery of Signals by Convex Optimization.**

Z. Harchaoui, A. Juditsky, A. Nemirovski, D. Ostrovskii.  
*COLT 2015. hal:01250215.*

**Dynamic Resource Allocation for MCCA-Based Streaming in Wi-Fi Mesh Networks.**

E. Khorov, A. Krasilov, A. Lyakhov, D. Ostrovskii.  
*WiFlex 2013.*

**Analytical Study of Neighborhood Discovery and Link Management in OLSR.**

E. Khorov, A. Kiryanov, A. Lyakhov, and D. Ostrovskii.  
*IFIP 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 *Dec. 2017 – May 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, NIPS 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

Optimization and Learning workshop 2018, Toulouse.  
ICML 2018, Stockholm.  
CWI seminar, Amsterdam, 2018.  
SIERRA Team seminar, INRIA Paris, 2018.  
PhD Defense, Université Grenoble Alpes, 2018.

Institut für Mathematische Stochastik, University of Goettingen, 2017.  
IMT, Toulouse, 2017.  
ORFE seminar, Princeton, 2017.  
NIPS 2016, Barcelona.  
PGMO Days 2016, Palaiseau.  
Optimization without Borders 2016, Les Houches.  
COLT 2015, Paris.  
Statlearn 2015, Grenoble.

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 Fellowship, 2018-2019  
NIPS 2016 Travel Grant  
Increased State Academic Scholarship of the Russian Government, 2012-2014  
Abramov-Frolov Fund Scholarship, 2009-2011

LANGUAGE SKILLS

|                      |                  |
|----------------------|------------------|
| English (proficient) | Russian (native) |
| French (fluent)      | German (basic)   |