

Anastasia Pentina

Address: 3400 Austria, Klosterneuburg, Am Campus 1

Phone: +43 664 88349229

Email: apentina@ist.ac.at, apentina@gmail.com

Website: <http://pub.ist.ac.at/~apentina/>

Google Scholar: <https://scholar.google.com/citations?user=rA16s4oAAAAJ&hl=ru>

Education

- 09/2012 – 11/2016 **PhD Student**
Institute of Science and Technology (IST) Austria, Austria
Computer Vision and Machine Learning Group
Supervisor: Christoph Lampert
Topic: Theoretical foundations of multi-task and lifelong learning
- 09/2007 – 06/2012 **MSc (with honors) in Mathematics**
Lomonosov Moscow State University, Russia
Department of Mathematics and Mechanics
Discrete Mathematics Division
Supervisor: Oktay M. Kasim-Zade
Thesis: On the complexity of circuits realizing some classes of Boolean functions

Research Experience

- 12/2016 – now **Postdoctoral researcher**, IST Austria, Computer Vision and Machine Learning group.
- 04/2016 – 05/2016 **Visiting Student**, Max Planck Institute for Intelligent Systems, Department of Empirical Inference, Tübingen, Germany. Collaborating with Dr. Ruth Uerner.
- 01/2015 – 03/2015 **Visiting Student**, School of Computer Science at the University of Waterloo, Canada. Collaborating with Prof. Shai Ben-David.

Teaching Experience

- 05/2014 – 07/2014 Teaching Assistant, "Machine Learning" course, IST Austria
- 09/2013 – 11/2013 Teaching Assistant, "Algorithms I" course, IST Austria

Publications

Preprints

- Anastasia Pentina, Christoph H. Lampert
Active Task Selection for Multi-Task Learning
arXiv:1602.06518

Conferences

- Anastasia Pentina, Ruth Urner
Lifelong Learning with Weighted Majority Votes
Conference on Neural Information Processing Systems (**NIPS**), 2016
- Anastasia Pentina, Christoph H. Lampert
Lifelong Learning with Non-i.i.d. Tasks
Conference on Neural Information Processing Systems (**NIPS**), 2015
- Anastasia Pentina, Shai Ben-David
Multi-task and Lifelong Learning of Kernels
Algorithmic Learning Theory (**ALT**), 2015
- Anastasia Pentina, Viktoriia Sharmanska, Christoph H. Lampert
Curriculum Learning of Multiple Tasks
Conference on Computer Vision and Pattern Recognition (**CVPR**), 2015
- Anastasia Pentina, Christoph H. Lampert
A PAC-Bayesian bound for Lifelong Learning
International Conference on Machine Learning (**ICML**), 2014

Workshop Contributions

- Anastasia Pentina, Ruth Urner
Lifelong Learning with Weighted Majority Votes
Continual Learning and Deep Networks Workshop at NIPS 2016
- Anastasia Pentina, Christoph H. Lampert
Curriculum Learning of Multiple Tasks
Women in Computer Vision Workshop at CVPR 2015
- Anastasia Pentina, Christoph H. Lampert
A PAC-Bayesian bound for Lifelong Learning
New Directions in Transfer and Multi-Task: Learning Across Domains and Tasks
Workshop at NIPS 2013
- Anastasia Pentina and Christoph H. Lampert
A PAC-Bayesian bound for Lifelong Learning
Women in Machine Learning Workshop at NIPS 2013

Invited Talks

- Max Plank Institute for Intelligent Systems, Germany, May 2016
The role of task order in transfer learning
- Skoltech, Russia, December 2015
Curriculum learning of multiple tasks
- University of Sussex, UK, September 2015
The role of task order in transfer learning

- Microsoft Research Cambridge, UK, September 2015
The role of task order in transfer learning
- 5th IST Austria Symposium on Machine Learning and Computer Vision, Austria, January 2015
Curriculum learning of multiple tasks

Activities

Member of Organization Committees

- co-organizer of Transfer and Multi-Task Learning: Trends and New Perspectives Workshop at NIPS'15

Member of Program Committees/Reviewer

- Journal of Machine Learning Research (JMLR)
- Conference on Neural Information Processing Systems (NIPS'16)
- Conference on Uncertainty in Artificial Intelligence (UAI'16)
- International Conference on Machine Learning (ICML'16,17)
- International Conference on Artificial Intelligence and Statistics (AISTATS'16, 17)
- The Austrian Association for Pattern Recognition Workshop (OAGM'15)
- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- AAAI Conference on Artificial Intelligence (AAAI'15)

References

- Christoph H. Lampert
IST Austria
chl@ist.ac.at
- Shai Ben-David
School of Computer Science, University of Waterloo
shai@cs.uwaterloo.ca; bendavid.shai@gmail.com