Czech Technical University in Prague
Faculty of Nuclear Sciences and
Physical Engineering

List of Publications

Author:	Ing. Václav Mácha
Supervisor:	doc. Ing Václav Šmídl, Ph.D.
Supervisor Specialist:	Mgr. Lukáš Adam, Ph.D.
Academic Year:	2022/2023

Publication related to the doctoral thesis:

reviewed

1. L. Adam and V. Mácha. Projections onto the canonical simplex with additional linear inequalities. *Optimization Methods and Software*, pages 1–29, 2020
   (??? citations)

2. L. Adam, V. Mácha, V. Šmídl, and T. Pevný. General framework for binary classification on top samples. *Optimization Methods and Software*, pages 1–32, 2021
   (??? citations)

non reviewed

3. V. Mácha, L. Adam, and V. Šmídl. Nonlinear classifiers for ranking problems based on kernelized svm. *arXiv preprint arXiv:2002.11436*, 2020
   (??? citations)

4. L. Adam, V. Mácha, and V. Šmídl. Deeptoppush: Simple and scalable method for accuracy at the top. *arXiv preprint arXiv:2006.12293*, 2020
   (??? citations)

Other publications:

reviewed

5. V. Šmídl, V. Mácha, Š. Janouš, and Z. Peroutka. Predictive current limiter for lq based control of ac drives. In *2015 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics (PRECEDE)*, pages 55–60. IEEE, 2015
   (??? citations)

6. V. Šmídl, V. Macha, Š. Janouš, and Z. Peroutka. Analysis of cost functions and setpoints for predictive speed control of pmsm drives. In *2016 18th European Conference on Power Electronics and Applications (EPE'16 ECCE Europe)*, pages 1–8. IEEE, 2016 **(??? citations)**

7. V. Mácha, V. Šmídl, and Z. Peroutka. Implementation of predictive spectrum control of a lc filter using admm. In *2017 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics (PRECEDE)*, pages 78–82. IEEE, 2017 **(??? citations)**