The 1st Conference on Theoretical Foundations of Machine Learning (TFML 2015) will take place in Będlewo, Poland, on February 16-21, 2015.

We invite submissions of papers addressing theoretical aspects of machine learning and related topics. We strongly support a broad definition of learning theory, including, but not limited to:

- Theoretical foundations of
  - supervised learning
  - unsupervised learning
  - semi-supervised learning
  - deep learning
  - active learning
  - concept drift
  - natural language processing
  - neuroinformatics

- generalization bounds
- optimization methods
- computational complexity of learning
- information theoretic learning

All papers will be peer-reviewed. All accepted papers in journal track will be published in *Schedae Informaticae* Journal\(^1\). At least one author of each publication has to attend the conference and present it during oral/poster session. Papers in latebreaking track will not be published and authors are required to upload them to arXiv instead.

\(^1\) For Polish scientists, this journal is located on the B list of the Polish Ministry of Science and Higher Education, with 10pts. [http://www.ejournals.eu/Schedae-Informaticae/](http://www.ejournals.eu/Schedae-Informaticae/)