

Research Plan for 2013-2015

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Abstract. Here I summarize the proposed research plan for the upcoming one year, and it is possibly extended till 2015. The research plan is supposed to be finally presented as a united research package covering my previous work as a whole, and hopefully the plan is implemented as my doctoral results in the end.

1 Main research lines in Machine Learning

- 1.1 Adversarial Machine Learning
- 1.2 Robust Learning Theory
- 1.3 Semi-supervised Learning
- 1.4 Applications in Anomaly Detection

2 Project bounded Work

- 2.1 Development of VMI Monitoring Module in ARAMiS
- 2.2 Machine Learning based VMI Appliances
- 2.3 Open Framework of Learning API for VMI

3 Teaching based Projects

- 3.1 Master Thesis Topics Selected
- 3.2 Spatio-Temporal Anomaly Detection
- 3.3 Anomaly Detection Challenges