

Summary report for project
RATS - Robust Automatic Transcription of Speech

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By Brno University of Technology

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We have analyzed the behavior of our state-of-the-art Deep Neural Network/i-vector/PLDA-based speaker recognition systems in multi-language conditions. On the “Language Pack” of the PRISM set, we evaluate the systems’ performance using the NIST’s standard metrics. We show that not only the gain from using DNNs vanishes, nor using dedicated DNNs for target conditions helps, but also the DNN-based systems tend to produce de-calibrated scores under the studied conditions. This work gives suggestions for directions of future research rather than any particular solutions to these issues.