FACULTY OF INFORMATION TECHNOLOGY CTU IN PRAGUE

ASSIGNMENT OF BACHELOR'S THESIS

Title:	Continuous Speech Recognition by Neural Networks
Student:	Adam Zvada
Supervisor:	Ing. Miroslav Skrbek, Ph.D.
Study Programme:	Informatics
Study Branch:	Computer Science
Department:	Department of Theoretical Computer Science
Validity:	Until the end of summer semester 2018/19

Instructions

Explore possible methods for continuous speech recognition using neural networks. Consider recurrent neural networks and the possibility of using neural Turing machines. Based on the investigation and in agreement with the supervisor, select the appropriate solution for the robot NAO. Benefit from existing libraries providing implementations of the required methods. Validate the proposed solution on real data. Specify the scope of the work, together with the supervisor.

References

Will be provided by the supervisor.

doc. Ing. Jan Janoušek, Ph.D.
Head of Department

doc. RNDr. Ing. Marcel Jiřina, Ph.D.
Dean

Prague February 13, 2018