DOCTORAL CANDIDATE: Emanuele Lapponi

DEGREE: Philosophiae Doctor

FACULTY: Faculty of Mathematics and Natural Sciences

DEPARTMENT: Department of Informatics

AREA OF EXPERTISE: Natural Language Processing

SUPERVISORS: Erik Velldal, Stephan Oepen

DATE OF DISPUTATION: 29th of November 2019

DISsertation title: The Language Analysis Portal: Design, implementation and use

When they are not in government, which party does Ap sound more like: SV or FrP? And what do verbs, adjectives, and Artificial Intelligence have got to do with it? Our research shows that NLP* techniques have an impact on political analysis. They also tell us that, to a machine, Ap in opposition sounds a lot like FrP.

We answer these questions by joining forces with Department of Political Science, investigating the effects of NLP tools and techniques on quantitative political analysis. Specifically, we do this by designing and implementing a web portal for easy access to NLP tools, developing a data set of speeches from the Norwegian Parliament, and teaching a computer how Norwegian politicians speak.

* Natural Language Processing, a branch of AI