



**Speaker:** Giovanni De Felice, Konstantinos Meichanetzidis, Alexis Toumi

**Title:** Towards Natural Language Processing on Quantum Hardware

**Abstract:**

We demonstrate proof-of-concept applications of compositional NLP using quantum circuits. The small-scale of our examples constitutes them well-suited for NISQ devices. Further, we discuss extendability of our methods to various NLP tasks. We conclude with a live demo of our in-development Python library.