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## **【514】 Solving Optimization Problems on Near Term Quantum Devices**

*Wednesday, 1 September 2021 15:30 (30 minutes)*

Algorithms that run on near term quantum devices will be a decisive step towards applications of quantum computers. In this talk I will focus on optimization problems and how to encode and solve them on quantum devices. I will present the parity mapping and algorithms that make use of it. In particular, the talk will focus on encoding of optimization problems with higher-order terms and side conditions in the form of hard constraints.

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