

## Quantum Computing Seminar

## Quantum optimization: challenges and opportunities

By

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**Abstract:** This talk gives an optimizer's perspective on what is known about the expected or potential utility of quantum computers for mathematical optimization. We will see that even if some of the existing research trends require empirical validation and have escaped rigorous theoretical characterization of potential advantage, other areas of quantum optimization are supported by well-established quantum subroutines, which open up many interesting possibilities in the era of fault-tolerant quantum computation, and possibly even before.

**Date:** May 6, Tuesday **Time:** 18:30 UTC+3

Place: ZOOM

To request the event link, please send a message to cihan.okay@bilkent.edu.tr