

Mini-School on Quantum Computing

Dr Daniel Park

Korea Advanced Institute of Science and Technology

Introduction to the theory of quantum computing

Week 1: Tuesday, 7 July 2020- Introduction & Background

Week 2: Tuesday, 14 July 2020- Quantum Circuit

Week 3: Tuesday, 21 July 2020- Quantum Algorithms

Week 4: Tuesday, 28 July 2020- Quantum Error Correction

Time: 14h00 – 15h00



Short bio: Daniel joined School of Electrical Engineering in KAIST as a research assistant professor in 2018. His current research interest covers broad ranges of quantum computing with focus on quantum machine learning and quantum simulation. Daniel received BSc degree with Dean's Honours in Mathematical Physics in 2010 from University of Waterloo, and completed PhD degree in Physics-Quantum Information in 2015 at Institute for Quantum Computing in University of Waterloo. His doctoral thesis was based on characterizing and optimizing quantum control of nuclear and electron spin qubits in organic molecules for quantum information processing, under the supervision of Raymond Laflamme and Jonathan Baugh. Prior to joining the School of Electrical Engineering, he was a post-doctoral researcher at Department of Physics in KAIST from 2015 to 2018, where he primarily worked on quantum information processing with spin qubits in doped silicon

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