

Quantum Computing Meets Quantum Chemistry

14 - 15 June 2022 at Institute for Advanced Study, Munich-Garching

Day One - June 14, 2022

01:00 - 01:50 p.m.

Registration

02:00 - 02:20 p.m.

Welcome

Martin Stratmann, Max Planck Society | Munich Quantum Valley e.V.
Ali Alavi, Max Planck Institute for Solid State Research
Christian Ochsenfeld, Ludwig-Maximilians-Universität Munich
Frank Ortmann, Technical University of Munich

Session 1

02:20 - 03:00 p.m.

Francesco Evangelista, Emory University, GA

"Projective quantum algorithms for quantum chemistry"

03:00 - 03:40 p.m.

Christian Gogolin, Covestro Deutschland AG

"Quantum computing research at Covestro"

03:40 - 04:20 p.m.

Ivano Tavernelli, IBM Zuerich

"Quantum computing applications in quantum chemistry"

04:20 - 05:00 p.m.

BREAK

Session 2

05:00 - 05:40 p.m.

Matthias Troyer, Microsoft, WA (virtually)

"Towards a Quantum Future for Quantum Chemistry"

05:40 - 06:20 p.m.

Ryan Babbush, Google, CA (virtually)

"Prospects for simulating quantum chemistry on quantum computers"

06:20 - 06:25 p.m.

Closing Session - Wrap Up Day 1

Time (CEST)