

Machine Learning in Natural Sciences: From Quantum Physics to Nanoscience and Structural Biology

International Conference, 19 – 22 September 2022 Campus Bahrenfeld Hamburg, Germany

Topics

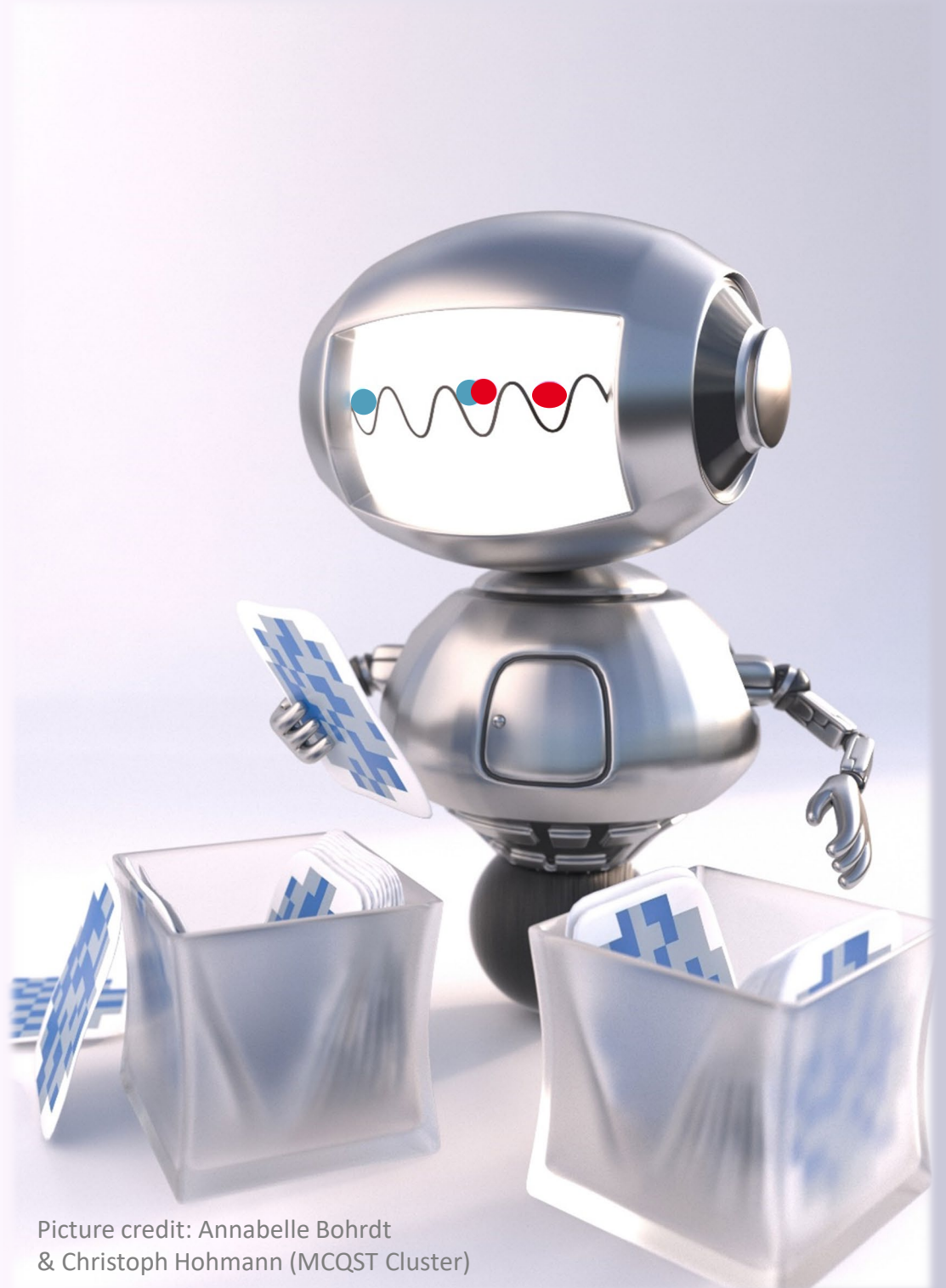
Quantum Many-Body States
Quantum Phase Transitions
Nano and Material Science
Molecular Structure Analysis
Optimization and Control
Understanding Machine Learning
Infrastructures and Best Practices

Invited Speakers

Mohammed AlQuraishi (Columbia U)
Annabelle Bohrdt (U Harvard)
Marin Bukov (U Sofia)
Stefanie Czischek (U Waterloo)
Claudia Draxl (HU Berlin)
Pascal Friederich (KIT Karlsruhe)
Sebastian Goldt (SISSA Trieste)
Mario Krenn (MPL Erlangen)
Aaron Gilad Kusne (NIST Gaithersburg)
Florian Marquardt (MPL Erlangen)
Gorka Muñoz-Gil (U Innsbruck)
Evert van Nieuwenburg (U Copenhagen)
Andrea Thorn (U Hamburg)
Giacomo Torlai (AWS Pasadena)

Scientific Organizers

Alexandre Dauphin (ICFO Barcelona)
Niklas Käming (U Hamburg)
Christof Weitenberg (U Hamburg)



Picture credit: Annabelle Bohrdt
& Christoph Hohmann (MCQST Cluster)

Applications are welcomed via the event's web page before July 10th 2022:

<https://uhh.de/ls-mlconf-registration>

Applicants are encouraged to submit contributions as talk or poster.

We plan for an in-person workshop with all participants on site.

