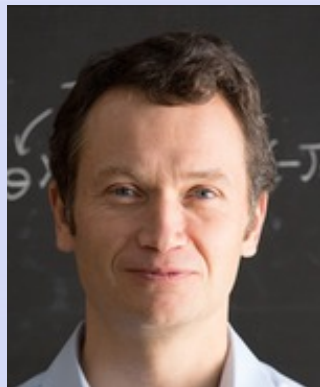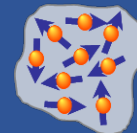# Leipzig Spin Resonance Colloquium
April 28th, 2021 – 16:00 Leipzig time – on Zoom

Prof. Eugene Demler
Harvard University

Bringing together quantum simulators and machine learning: quantum assisted NMR inference

I will review the idea of combing quantum simulators with machine learning to perform inference of NMR spectra for small biological molecules. Practical aspects of realizing this hybrid quantum-classical algorithm on currently available experimental platforms, including ion chains and Rydberg arrays, will also be discussed.