(EQuaLS2022) Expository Quantum Lecture Series 2022



on the occasion of The World Quantum Day 2022

QUANTUM AI FROM HIGH-SCHOOL QUANTUM PICTURES

PROF. DR. BOB COECKE

Cambridge Quantum United Kingdom (Quantinuum), UNITED KINGDOM

ABSTRACT

Quantum is usually conceived as that scary super-complicated subject that only geniuses can understand. That is no more true! We have a book coming that is accessible at high-school level, and that goes all the way to the cutting edge of the exciting new field of quantum technologies. We'll take you to the basics of this new way of learning quantum.

We will also show how this new quantum formalism gets us to understand natural language in a quantum way, so you can actually play around with it on a quantum computer. We have indeed made our software available so that everyone can play along. This is only a first step towards quantum AI.