**Krysta Svore, Leading Researcher of the Quantum Architectures and Computation Group, Microsoft Research**

Svore received her Ph.D. with Highest Distinction in Computer Science in 2006, and now manages the Quantum Architectures and Computation Group (QuArC) at Microsoft Research in Redmond. Her research focusses on quantum algorithms and how to implement them in quantum devices, from their coding, to resource optimization, to hardware implementation. Her team is also working in designing a software architecture for translating a high-level quantum program into a low-level, device-specific quantum implementation, called LIQUi|> (“liquid”, language-integrated quantum operations), and works in collaboration with Microsoft Station Q, the center for topological quantum computation.

