

Speaker: Dr. Maud Vinet(MS)

Title: The path toward large scale quantum computer enabled by the semiconductor industry

Abstract

Quantum computing when available will tackle life changing applications, like in energy or chemistry. Silicon has the ability to enable this full quantum advantage leveraging Very-Large-Scale Integration (VLSI) fabrication and design techniques. First scientific demonstrations have been made, it's now up to electrical engineers in collaboration with physicist to turn these demonstrations into practical machines. I will share views on perspectives and challenges to be tackled.