Summer School on Quantum Computing: Software for Near Term Quantum Devices

	Mon 31 Aug	Tue 1 Sep	Wed 2 Sep	Thu 3 Sep	Fri 4 Sep
9:30-11:30	**Germán Sierra** Introduction to quantum computing I	**Juan Sánchez Toural** Tutorial QISKIT	**Maria Schuld** Quantum machine learning	**Jens Eisert** Quantum advantages and near-term quantum computing	**Román Orús** Applications of quantum computing in finance
12:00-14:00	**Diego Porras** Introduction to quantum computing II	**Ivano Tavernelli** Quantum algorithms for applications in quantum chemistry and physics	**Juan José García Ripoll** Applied mathematics with quantum computers + General questions	**Pol Forn** Introduction to Experimental Quantum Computation	Practical Session (D. Porras – Juan José García-Ripoll)
15:30-17:30	**Ginés Carrascal de las Heras (IBM)** Tutorial QISKIT	**Stefan Woerner** Variational quantum computing for classical optimization problems	Practical Session (D. Porras – J. J García-Ripoll)		