

Plenary talks (PV)

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Plenary Talk PV I Mon 9:00 E 415  
**Prospects for Superconducting Qubits** — ●DAVID DiVINCENZO  
— RWTH Aachen and Forschungszentrum Juelich  
I will give a review of the steady progress in achieving high-fidelity

superconducting qubits. As with any "Moore's law" phenomenon, this progress has not been the result of any one breakthrough, but rather from a continual increase in the understanding of the physics and engineering of the field. I will discuss the next steps of scaling this system, and the role that the surface code could play in this.