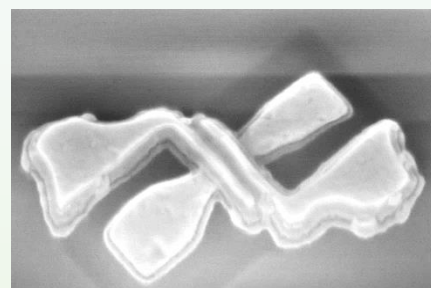
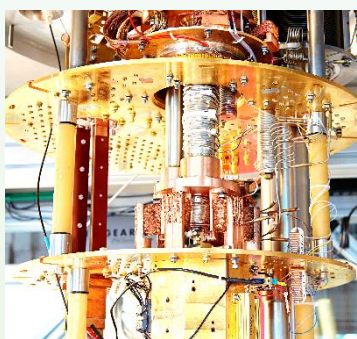


From Mesoscopic Physics to Quantum Engineering

In memory of Marc Sanquer

June 28th, 2022 8h30 – 18h00

GreEn-ER - 21 avenue des Martyrs, Grenoble



8h30-8h45	Welcome	
8h45-9h00	Introduction – F. Lefloch / M. Houzet	
9h00-9h35	Christian Glattli	A Josephson relation for fractionally charged anyons
	Simon Déléonibus (vidéo)	<i>Testimony</i>
9h40-10h05	Dietmar Weinmann	What can we learn from quantum transport with local probes?
	Hervé Courtois	<i>Testimony</i>
10h20-10h50	Break	
10h50-11h25	Wilfrid Poirier	Engineering of electrical quantum standards
	Yann Michel Niquet	<i>Testimony</i>
11h30-12h05	Harold Baranger	Quantum Hall Meets Superconductivity: Interference of Chiral Andreev Edge States
	Jacques Flouquet	<i>Testimony</i>
12h10-12h45	Silvano de Franceschi	From transistors to spin qubits in silicon
12h50-14h00	Lunch	
14h00-14h35	Andreas Fuhrer	Towards scalable quantum computing with holes in silicon
	Dominique Mailly	<i>Testimony</i>
14h40-15h15	Natalia Ares	Towards fully automatic quantum device control
15h20-15h55	Fernando Gonzalez Zalba	Dispersive readout for silicon quantum computing
15h55-16h30	Break	
16h30-17h05	Ferdinand Kuemmeth	Quantum dots: spin-orbit coupling, anti-localization, and autonomous gate tuning
	Claude Chapelier	<i>Testimony</i>
16h10-17h45	Max Hofheinz (on line)	Quantum measurements based on Coulomb blockade
	D. Braithwaite	<i>Testimony</i>
Conclusion	François Lefloch	