

# Workshop on Secure Networks of Quantum Sensors

19-21 October 2022-LIP6, Sorbonne Université, Paris

<https://qi.lip6.fr/snqs/>

## Programme

	Wednesday 19 Oct.	Thursday 20 Oct.	Friday 21 Oct.
9:30		Coffee	Coffee
10:00	Opening and Coffee	Alexey Gorshkov <i>Quantum sensor networks</i>	Arne Hamann <i>Noise cancelling in quantum sensor networks</i>
10:55	Welcome		
11:00	Marco Barbieri <i>Primer (and a bit more) on quantum metrology</i>	Jean Lautier-Gaud <i>Networks of Quantum Sensors seen by Quantum Sensors</i>	Thierry Debuisschert <i>Current applications of quantum sensors and perspectives offered by quantum networks.</i>
12:00	Lunch Break	Lunch Break	Lunch Break
14:00	Nicolas Treps <i>Experimental approaches to optical quantum sensing in the multimode scenario</i>	Jacob Dunningham <i>New regimes for quantum sensors</i>	
14:45	Nathan Shettell <i>Formulating a cryptographic framework for quantum sensing</i>	Rafał Demkowicz-Dobrzański <i>Multiparameter quantum metrology; dramatis personae: Heisenberg, Fisher, Bayes and Noise</i>	
15:30		Coffee Break	
15:50	Coffee Break-Free Discussion	Jan Kołodyński <i>Quantum metrology with imperfect measurements</i>	
16:35			