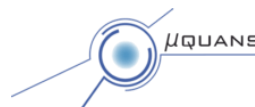


IQuMS 2019
International conference on Quantum Metrology and Sensing
09-13 Dec 2019, Paris, France

Poster Session II – Tuesday 10 December 2019

Author	Title
Satoor Tanish	Probing quantum criticality and symmetry breaking at the microscopic level
Dylan Cattiaux	Nonlinear self-induced oscillations in microwave optomechanics
Manninen Antti	Single-electron pumps based on CMOS quantum dots
Rakhubovsky Andrey	Stroboscopic nonclassicality and high-order nonlinearity in levitated optomechanical systems
Nicolas Louis	Sub-GHz linewidths ensembles of SiV centers in a diamond nano-pyramid revealed by charge state conversion
Wilpers Guido	Evaluation of a MEMS-fabricated 3D ion microtrap for scalable entanglement-enhanced quantum metrology
Almeida Jessica	Estimation and discrimination of incoherent point sources
Dutier Gabriel	Large atomic diffraction angles induced by Casimir-Polder potential
Huillery Paul	Coherent population trapping of an ensemble of nuclear spins at room temperature
Kochakzadeh Mohammad Hossain	Compression of Many-qubit Systems
Mehboudi Mohammad	Non-demolition quantum thermometry of BECs in the sub-nK domain
Masalehdan Hossein	The radiation pressure measurements of the mechanical oscillators below the shot noise limit
Smirr Jean-Loup	A tunable, high-precision voltage source for mesoscopic physics
Chiofalo Maria Luisa	Many-Body Entanglement in Fermi Gases for Quantum Metrology
Filip Radim	Non-Gaussian and highly nonlinear quantum physics
Amy-Klein Anne	REFIMEVE+: towards a wide optical fiber network for ultra-stable optical frequency dissemination
Fattori Marco	Novel optical lattice with large spatial periodicity for coherent manipulation of ultra-cold atoms
Le Dantec Marianne	Electron Paramagnetic Resonance Spectroscopy of Rare-Earth-Ions at millikelvin temperatures
Naik Devang	Multiple BECs and Novel Cooling in a Travelling Wave Cavity
Mads Tonnes	Towards the supervision and the scientific data processing of a optical frequency transfer fiber network
Riviere François	Thermometry of a single levitated nanodiamond
Renzoni Ferruccio	Electromagnetic Induction Imaging with Atomic Magnetometers
Albertinale Emanuele	Towards spin detection using microwave single-photon detector
Abdel Hafiz Moustafa	Opticlock: transportable and easy-to-operate optical single-ion clock
Bourdel Pierre-Antoine	Atomic qubits protected from decoherence by strong coupling to a fiber-based optical cavity
Pawlowski Krzysztof	Quantum correlations protection through spin self-rephasing in 1-D Bose gas
Malpani Priya	Quantum radars in presence of noise
Fartmann Oliver	Towards a strontium beam optical frequency reference based on the $1S_0 \rightarrow 3P_1$ intercombination line on a sounding rocket
Huang Mengzi	Spin squeezing and spin dynamics in a trapped-atom clock
Li Yifan	Spatial entanglement and Einstein-Podolsky-Rosen steering in a Bose-Einstein condensate
Chen Geng	Experimental demonstration of secure quantum remote sensing

Exhibitors



Sponsors

