

CEWQO2018

Num.	Session	Name	Surname	Title
1	1	Alessia	Allevi	Can Silicon photomultipliers open a new era in quantum optics experiments?
2	1	Ievgen	Arkipov	Experimental identification of non-classicality of noisy twin beams and other related two-mode states
3	1	Giuseppe	Baio	Optomechanical self-structuring of cold atoms involving angular momentum
4	1	Artur	Barasinski	Performing controlled quantum teleportation on mixed tripartite states
5	1	Karol	Bartkiewicz	Two methods for measuring Bell nonlocality via local unitary invariants of two-qubit systems in Hong-Ou-Mandel interferometers
6	1	Lorena C.	Bianchet	A versatile neutral-atom microtrap using high NA optics to study light-matter interaction
7	1	Ferenc	Bodog	Enhancement of the performance of spatially multiplexed single-photon sources via optimized heralding strategy
8	1	Daniel	Braun	Punctured states of light
9	1	Natalia	Bruno	Interfacing a single trapped atom to a pair of indistinguishable photons
10	1	Albert	Cabot	Dynamical and quantum effects of collective dissipation in optomechanical systems
11	1	Antonín	Černocho	Implementation of an efficient linear-optical quantum router
12	1	Krzysztof	Chabuda	The quantum Allan variance
13	1	Ivan	Cristian	Non-Markovian Gaussian channels as quantum vaults
14	1	Anita	Dabrowska	Quantum trajectories for a system interacting with an environment prepared in n-photon state
15	1	Chiara	Decaroli	A double junction segmented ion trap with integrated optical delivery
16	1	Thomas	Dirmeier	Distillation of Squeezing using an engineered PDC source
17	1	Alexander	Duplinskiy	The influence of urban line imperfections on QKD process
18	1	Jaromir	Fiurasek	Interconversion between single-rail and dual-rail photonic qubits
19	1	Roberto	Grimaudo	Time-dependent Selective Interaction for Many-Body Spin Systems
20	1	William	Hamlyn	Atom-light interaction in thermal Rubidium vapours confined to a volume less than λ^3
21	1	Antonín	Hoskovec	Improving Dynamical Decoupling Schemes for State Transfer
22	1	Aurelian	Isar	Generation of quantum steering in two-mode Gaussian open systems
23	1	Iulia	Ghiu	Modification of polarization through de-Gaussification
24	1	Evgeniy	Kiktenko	Precision-guaranteed quantum process tomography
25	1	Jesús	Rubio Jiménez	Extracting maximum information from limited data
26	1	Katerina	Jirakova	Experimental attack on quantum money scheme using machine learning
27	1	Joanna	Kalaga (Perina)	The bipartite EPR steering and coherence in three-qubit systems
28	1	Takeo	Kamizawa	On Integrable Open Quantum Systems and Decomposability Criteria
29	1	Yong-Su	Kim	Experimental verification of hidden quantum steering using local operations
30	1	Shailesh	Kumar	Excitation of ultraconfined propagating plasmonic gap modes with single nitrogen vacancy centers in nanodiamonds
31	1	Changhyoup	Lee	Experimental studies of quantum plasmonic sensing
32	1	Jan	Perina	Non-classicality criteria for bipartite optical fields characterized by quadratic detectors

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Num.	Session	Name	Surname	Title
1	2	Giuseppe	Baio	Bounds on bipartite entanglement from assigned marginals
2	2	Claudiu	Genes	Cavity anti-resonance spectroscopy of dipole coupled subradiant arrays
3	2	Yury	Kurochkin	Polarization based quantum key distribution for urban data protection
4	2	Karel	Lemr	Machine-learned quantum cloner
5	2	Kimmo	Luoma	Parametrization and optimization of Gaussian non-Markovian unravelings for open quantum dynamics
6	2	Diego	Marín-Cano	Quadrature-squeezed light generation from single emitters mediated by optical nanostructures
7	2	Yue	Ma'	Nonclassical features of squeezed light from cavity optomechanics
8	2	Angelo	Maggitti	Interacting Multiparticle Quantum walks in one and two dimensional arrays of optical cavities
9	2	Paulina	Marian	Einstein-Podolsky-Rosen-like non-locality indicators for two-mode Gaussian states
10	2	Jiří	Maryška	Asymptotics of quantum Markov processes
11	2	Nina	Megier	Correlations between a quantum system and its environment in the GKSL regime
12	2	Antonino	Messina	Classes of exactly solvable Generalized Rabi Systems
13	2	Pau	Mestres	Ion assisted levitated optomechanics
14	2	Michal	Mičuda	Experimental implementation of linear-optical quantum logic circuits
15	2	Tatiana	Mihaescu	Evolution of quantum steering in a Gaussian noisy channel
16	2	Gabor	Mogyorosi	Quantum state engineering via optimized photon subtraction in traveling optical fields
17	2	Christian Ralf	Müller-Hirschhorn	Binary Homodyne Detection for Observing Quadrature Squeezing in Satellite Links
18	2	Jan	Perina	Higher-order sub-Poissonian-like nonclassical fields
19	2	Young-Sik	Ra	Implementation of mode-tunable coherent single-photon subtractor and its application for generating non-Gaussian multimode quantum states
20	2	Mathilde	Remy	A new experimental design to investigate the quantum three-box paradox
21	2	Matteo	Santandrea	Numerical investigation of the fabrication limits of nonlinear waveguides for quantum optics application
22	2	Gniewomir	Sarbicki	Magic simplexes of states and channels
23	2	Kilian	Seibold	Dynamical Casimir effect in an ultrastrongly coupled hybrid optomechanical system
24	2	Jasminder	Sidhu	Quantum metrology for arbitrary Hamiltonian dynamics
25	2	Kanupriya	Sinha	Collective effects in Casimir-Polder forces
26	2	Serban	Suciu	Resource theory in Open Systems
27	2	Jiri	Svozilik	Resolving Virtual-State Transitions with Non-Classical Light
28	2	YongSiah	Teo	Compressed sensing with no a priori information
29	2	Matthew	Thornton	Gigahertz quantum signatures compatible with telecommunication technologies
30	2	Vojtech	Travnicek	Experimental measurement of nonlinear entanglement witness for hyper-entangled states
31	2	Charikleia	Troullinou	Towards a high-density squeezed-light magnetometer
32	2	Evgenii	Vashukevich	Orbital angular momentum multimode quantum state generated by degenerate TROPO above threshold