YQIS 2019 – list of posters

1. **Thao Le:** Discord-breaking and discord-annihilating channels

2. **Soro Gnatiessoro:** Imaging quantum correlations through a scattering medium

3. **Tanmoy Biswas:** Operational relevance of resource theories of quantum measurements

4. **Márcio Mendes Taddei:** Exposure of subtle quantum nonlocality in multipartite scenarios

5. **Maciej Stankiewicz:** Semi-device independent quantum money

6. **Marie Ioannou:** Quantum random number generator in a prepare-and-measure scenario with the overlap assumption

7. **Tamoghna Das:** Upper bounds on secure key against non-signaling adversary via non-signaling squashed secrecy monotones

8. **Fattah Sakuldee:** The relation between dynamical pulse processes and sequential measurements and its application in noise spectroscopy

9. **Jing Yan Haw:** Machine learning cryptanalysis of a quantum random number generator

10. **Armin Tavakoli:** Measurement incompatibility and steering are necessary and sufficient for operational contextuality

11. **Faraj Bakhshinezhad:** Energetic cost of creation of correlation

12. **Andrés Agustí Casado:** Entanglement through qubit motion and the dynamical Casimir effect

13. **Shubhayan Sarkar:** Self-testing of maximally entangled state of arbitrary local dimension

14. **Debashis Saha:** Self-testing of quantum devices based on quantum contextuality

15. **Filip Sośnicki:** Spectral manipulation of photon pairs by electro-optic time-lensing system

16. **Veronika Baumann:** Page-Wootters conditional probability interpretation and the quantum measurement problem

17. **Michał Studziński:** Mathematical aspects of port-based teleportation scheme

18. **Martin Malachov:** Time evolution enhanced chaos in purification proto cols

19. **Jakub Czartowski:** Iso-entangled mutually unbiased bases, symmetric quantum measurements and mixed-state designs

20. **Adrian Solymos:** Extendability of generalised Werner-states

21. **Nikolaos Kollas:** Non-catalytic extraction of quantum coherence

22. **Thomas Purves:** Nonclassically causal correlations without backwards-in-time signaling

23. **Grzegorz Rajchel:** In search for 36 entangled officers of Euler

24. **Eric Arrais:** Efficient certification of shallow circuit preparations

25. **Rafael Santos:** Bell-inequalities for high-dimensional graph-states

26. **Marcin Karczewski:** Genuine multipartite indistinguishability and its detection via the generalized Hong-Ou-Mandel effect

27. **Ryszard Kukulski:** Generating random quantum channels

28. **Edgar Aguilar:** Entanglement certification without fidelities

29. **Philip Taranto:** Memory effects in quantum processes

30. **Libor Caha:** Very entangled spin chains and combinatorial techniques in condensed matter physics

31. **David Jakab:** Entanglement shareability and mean-field models

32. **Michał Banacki:** Quantum Markovianity revised

33. **Viktor Nordgren:** Global properties from their absences locally in Gaussian multipartite entanglement

34. **Mahasweta Pandit:** On k-uniform mixed states

35. **Zsombor Szilágyi:** Rigidity and a common framework for mutually unbiased bases and k-nets

36. **Andrés Felipe Ducuara García:** Locally inaccessible maximally hidden quantum correlations

37. **Thais Lima Silva:** Mutual unbiasedness of coarse-grained measurements for an arbitrary number of phase space observables

38. **Tomasz Linowski:** Entangling power of tripartite unitary gates

39. **Jakub Borkała:** Multiparty quantum random access codes

40. **Paulina Lewandowska:** Benchmarking NISQ devices

41. **Namrata Shukla:** Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space

42. **Jebarathinam Chellasamy:** Superunsteerability as a quantifiable resource for random access codes assisted by Bell-diagonal states

43. **Woong-Seon Yoo:** New proof and Bell-like inequalities of Arrow's impossibility theorem

44. **Gaël Massé:** Hybrid entanglement witness

45. **Oleg Skachko:** Economic rationale of introduction of quantum technologies for protection of data in companies, enterprises and organizations

46. **Konrad Szymański:** Applications of geometry of density matrices

47. **Filip Rozpedek:** Near-term repeater experiments with NV centers: overcoming the limitations of direct transmission

48. **Behnam Tonekaboni:** Quantum noise spectroscopy beyond stationary assumption

49. **Shiladitya Mal:** Fine grained uncertainty limits preparation contextually