

# Poster Session

(sponsored by the Heilbronn Institute)

Wednesday 14th April 3.30pm-6pm

1. Neil B. Lovett, Sally Cooper, Matthew Everitt, Matthew Trevers and Viv Kendon  
**Universal quantum computation using the discrete time quantum walk**
2. Muhammad Mubashir Khan, Jie Xu and Almut Beige  
**High error-rate quantum key distribution with 2-dimensional photon states**
3. Shengjun Wu  
**Non-classical correlation in a quantum state**
4. Tim Davidson, Simon J. Gay and Rajagopal Nagarajan  
**Verifying quantum teleportation with quantum process calculus**
5. David Herrera Marti, Austin Fowler, David Jennings and Terry Rudolph  
**A Photonic Implementation of the Topological Cluster State Computer**
6. Siddarth Koduru Joshi, Felix Anger, Anita Lomas Hinares and Christian Kurtsiefer  
**Towards a bright and efficient PPKTP photon pair source**
7. Sai-Yun Ye, Zhen-Biao Yang, Shi-Biao Zheng and Alessio Serafini  
**Coherent quantum effects through dispersive bosonic media**
8. Stefanie Hilt, Saroosh Shabbir, Janet Anders and Eric Lutz  
**Validity of Landauers principle in the quantum regime**
9. Zoltan Kadar, Annalisa Marzuoli and Mario Rasetti  
**Topological phases, 3D state sums and boundary lattice models**
10. Marcin Zwierz, Carlos A. Peres-Delgado and Pieter Kok  
**Black-box parameter estimation with continuous variables - Optimality of Heisenberg limit**
11. A. Windhager, Martin Suda, C. Pacher, M. Peev and A. Poppe  
**Quantum Interference between a Single-Photon Fock State and a Coherent State**
12. Soojoon Lee, Jeong Son Kim and Barry C. Sanders  
**Distribution and Dynamics of Entanglement**

13. Subhash Chaturvedi, S. V. Vikram, N. Mukanda and R. Simon  
**An algebraic description of quantum nets**
14. James Wooton, Ville Lathtinen, Benoit Doucot and Jiannis Pachos  
**Experimentally Accessible Topological Memories from Simple Stabilizer Codes**
15. Katherine Brown, Clare Horsman, Viv Kendon and Bill Munro  
**Cluster State generation using the qubus quantum computer**
16. Afsoon Ebrahimi and Sina Salek  
**Measurement-based and Adiabatic Computation: A Hybrid Programmable Scheme**
17. Andreas Schreiber, Katuscia Cassemiro, Václav Potoček, Aurél Gábris, Peter Mosley, Erika Andersson, Igor Jex and Christine Silberhorn  
**Photons Walking the Line: A Quantum Walk with Adjustable Coin Operations**

Please vote for the best three posters using the sheets provided during the poster session. All votes sheets should be submitted by 5pm. Prizes will be presented by Malcolm MacCallum (Heilbronn Institute) from 5.30pm.

