

Project Assignments

CPSC 640

1. A Lattice Problem in Quantum NP.
Assigned to Patrick Parker
<http://www.arxiv.org/abs/quant-ph/0307220>
2. Quantum game theory.
Assigned to Osman Cizmeci and Cullen Sauls
<http://www.arxiv.org/abs/quant-ph/0004076>
3. Quantum algorithms for the hidden shift problem.
Assigned to Trenton Henrichson
<http://www.arxiv.org/abs/quant-ph/0211140>
4. Quantum algorithms for element distinctness and spatial search.
Assigned to Mustafa Ciftci
<http://www.arxiv.org/abs/quant-ph/0311001>
<http://www.arxiv.org/abs/quant-ph/0303041>
5. Mutually unbiased bases and SIC-POVMs.
<http://www.arxiv.org/abs/quant-ph/0309120>
6. Quantum algorithms for graph problems.
Assigned to Fenghui Zhang
<http://www.arxiv.org/abs/quant-ph/0310134>
<http://www.arxiv.org/abs/quant-ph/0310107>
7. Upper and lower bounds for quantum stabilizer codes.
Assigned to Brian Hyams
<http://www.arxiv.org/abs/quant-ph/9608006>
8. Synthesis of optimal quantum circuits.
Assigned to Scott Nielsen
<http://www.arxiv.org/abs/quant-ph/0308033>
9. The hidden subgroup problem.
Assigned to Ashraf Ibrahim
<http://www.arxiv.org/abs/quant-ph/0302112>
10. Estimating Gaussian Sums.
<http://www.arxiv.org/abs/quant-ph/0207131>

11. Fault-Tolerant Quantum Computing
Assigned to Salah Aly
<http://www.arxiv.org/abs/quant-ph/0410199>
12. Quantum Cryptography
Assigned to Juan Lopez
<http://www.arxiv.org/abs/quant-ph/0101098>