

UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Design Exploration and Application of Reversible Circuits in Emerging Technologies

by

Saurabh Kotiyal

For the Ph.D. degree in Computer Science & Engineering

The reversible logic has promising applications in emerging computing paradigms, such as quantum computing, quantum dot cellular automata, optical computing, etc. In this dissertation we have explored design and implementing of reversible logic circuits for quantum computing and optical computing. The designs and methodologies of reversible circuits proposed in this dissertation shows an improvement towards the advancement of reversible circuit design for quantum as well as optical computing.

Tuesday, March 22, 2016

12:00 PM

ENB 313

THE PUBLIC IS INVITED

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