CURRICULUM VITAE

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Academic Qualifications

- **Ph.D.** (Dissertation Submitted) in Electronics and Electrical Communication Engineering (Specialization: Microelectronics and VLSI) from Indian Institute of Technology, Kharagpur; (2008 2011).
- **M.Tech** in Computer Science & Engineering from Indian Institute of Technology Madras, Chennai; (2001 2003).
- **B.Tech** in Electronics & Communication Engineering from T.K.M College of Engineering, Quilon, University of Kerala; (1990 1994).

List of Publications from the Thesis

- > Journals
 - 1. S. Krishna Kumar, Subhadip Kundu and Santanu Chattopadhyay, "Customizing Completely Specified Pattern Set Targeting Dynamic and Leakage Power Reduction During Testing," *Integration, the VLSI Journal, Elsevier*. (DOI information: 10.1016/j.vlsi.2011.08.001).

> Conferences

- 1. S. Krishna Kumar, P. Uday Bhaskar, Santanu Chattopadhyay, Pradip Mandal, "Circuit Partitioning Using Particle Swarm Optimization for Pseudo- Exhaustive Testing," *Int'l Conf. on Advances in Recent Technologies in Communication and Computing*, pp.346-350, 2009.
- 2. S. Krishna Kumar, P. Uday Bhaskar, Santanu Chattopadhyay, "Low Power Pseudo-exhaustive Testing with Cellular Automata," *Int'l Conf. on Advances in Computing, Control, and Telecommunication Technologies,* pp.419-423, 2009.
- 3. S. Krishna Kumar, S. Kaundinya, Subhadip Kundu and Santanu Chattopadhyay, "Customizing Pattern Set for Test Power Reduction via Improved X-identification and Reordering," *16th Int'l Symp. on Low Power Electronics and Design* 2010, pp.177-182, 2010.
- 4. **S. Krishna Kumar**, S. Kaundinya, Subhadip Kundu and Santanu Chattopadhyay, "Particle Swarm Optimization based Vector Reordering for Low Power Testing," *The 2nd Int'l Conf. on Computing, Communication and Networking Technologies*, pp.1-5, 2010.
- S. Krishna Kumar, S. Kaundinya and Santanu Chattopadhyay, "Particle Swarm Optimization Based Scheme for Low Power March Sequence Generation for Memory Testing," 19th Asian Test Symp., pp.401-406, 2010.

Declaration

I do hereby declare that all information furnished above is true to the best of my knowledge and belief.

Date: September 2011

Krishna Kumar S.