

CSE Faculty Publications with Foreign Collaborators with IIT-I affiliation

(Reverse Chronological)

1. Amit Amritkar, Eric de Sturler, Katarzyna Świrydowicz, Danesh Tafti, and **Kapil Ahuja**, “Recycling Krylov Subspaces for CFD Applications and a New Hybrid Recycling Solver”, **Journal of Computational Physics** by Elsevier, accepted for publication, September 2015.
2. **Kapil Ahuja**, Peter Benner, Eric de Sturler, and Lihong Feng, “Recycling BiCGSTAB with an Application to Parametric Model Order Reduction”, **SIAM Journal on Scientific Computing**, accepted for publication, June 2015.
3. **Anirban Sengupta**, Vipul Kumar Mishra and Reza Sedaghat, "Exploration of Optimal Multi-Cycle Transient Fault Secured Datapath during High Level Synthesis based on User Area-Delay Budget", *Proceedings of 28th IEEE Canadian Conference on Electrical & Computer Engineering (CCECE)*, Halifax, **Accepted**, May 2015.
4. **Anirban Sengupta**, Saraju P.Mohanty "High-Level Synthesis of Digital Circuits in the Nanoscale, Mobile Electronics Era", *Nano-CMOS and Post-CMOS Electronics: Circuits and Design, IET* (Eds: Saraju P/ Mohanty & Ashok Srivastava), **Invited Book Chapter**, Pages: 49, March 2015.
5. Reza Sedaghat, **Anirban Sengupta**, "Rapid Exploration of Cost-Performance Tradeoffs using Dominance Effect during Design of Hardware Accelerators, *Journal of Facta Universitatis: Series Electronics and Energetics*, Vol. 27, No. 3 , Sep 2014, pp. 317 – 328.
6. **Anirban Sengupta**, Reza Sedaghat, Vipul Kumar Mishra, "Execution Time Area Tradeoff in GA using Residual Load Decoder: Integrated Exploration of Chaining Based Schedule and Allocation in HLS for Hardware Accelerators, *Journal of Facta Universitatis: Series Electronics and Energetics*, Volume 27, No. 2, pp. 235 249, June 2014.
7. Tanveer Ahmed, Michael Mrissa, **Abhishek Srivastava**, “MagEl: A Magneto-Electric Effect-Inspired Approach for Web Service Composition”, In Proceedings of the **21st IEEE International Conference on Web-Services (ICWS)**, Anchorage, Alaska, June 2014.