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### **Publications :**

1. **Suma S and Gopalan N P, “Splay Thread Cooperation for Load Balancing in Speculative Parallelism and GPGPU”,** Published in The Arab International journal of Information and Technology. Vol. 13, No.3, 2016, **Science Citation Indexed Journal.**
2. **Suma S and Rakshitha Kiran P, “Speculative Parallelism Techniques for the Flow analysis and Congestion Avoidance using Hadoop Framework”,** in the Proceedings of The International Conference on “Internet of Things” (ICIOT 2016) held on 18<sup>th</sup> & 19<sup>th</sup> Aug.2016 at A.P.S. College of Engineering, Bangalore India.
3. **Suma S and Gopalan N P, “Coalesced Redundant Block Synchronization on GPGPU”,** Published in The International Journal of Advanced Research in Computer Science, Vol 1, No.6, Jan-Feb 2016 , ISSN No.0976-5697.
4. **Suma S and Gopalan N P, “Speculative Block Reuse in GPGPU”,** Published in The International Journal of Advanced Research in Computer Science, Vol 6, No.5, May- June 2015, ISSN No.0976-5697.
5. **Suma S and Gopalan N P, “Coalesced Speculative Prefetching and Inter Thread Data Dependences”,** in the Proceedings of The IEEE international Conference on Computer Communication and Informatics(ICCCI 2014) held on Jan 3-5 2014 at Sri Shakthi Engineering College, Coimbatore, India. CFP1408R-CDR/ISBN 978-1-4799-2352-6/14©2014IEEE
6. **Suma S and Gopalan N P, “Multithreading and Speculative Transitions for Resolving Scalability”,** in the Proceedings of The First International conference on Knowledge

Collaboration on Engineering (ICKCE 2014) Sponsored by IEEE, held on Jan 26<sup>th</sup> & 27<sup>th</sup> 2014 at Kathir College of Engineering, Coimbatore, Tamil Nadu, India.

7. **Suma S** and Gopalan N P, “**Speech Synthesizer with Speculative Multithreading and Speculative Computation Reuse**”, in Proceedings of 15th IEEE International conference on Advanced Computing Technologies(ICACTION-2013) held on Sep. 21&22 2013 at Annamacharya Institute of Technology and Sciences, Rajampet, Andhra Pradesh, India. Adjudged as **Best Paper** in the session on High Performance Computing.
8. **Suma S** and Jayanthila Devi, “**Challenges and Authentication in Wireless Sensor Networks**”, in Proceedings of IEEE International conference IEEE EDS & SKP ICEVENT 2013 held on Jan 7-9 2013 at SKP Engineering College Tiruvannamalai, Tamil Nadu, India.
9. **Suma S** and Gopalan N P, “**Proficient Speculative Execution Model for SQL Statements**”, in the Proceedings of IEEE International Conference on Computational Intelligence and Computing Research (ICIC 2013) held on Dec 26-28, 2013, Pg.No.855-858 at Vikram College of Engineering, Madurai, Tamil Nadu, India. CFP1320J-PRT/ISBN: 978-1-4799 1594-1.
10. **Suma S** and Gopalan N P, “**Concealment of Inter-thread data dependences in Speculative Multithreaded Processors**”, in the Proceedings of National Conference on Recent Research trends in network security (NCRNTS 2012) held on 19<sup>th</sup> & 20<sup>th</sup> April 2012 at Srinivasa Institute of Technology, Valachil, Mangalore, India. .