

## ISCA 2013

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3. **Improving Virtualization in the Presence of Software Managed Translation Look-aside Buffers**. Xiaotao Chang, IBM Research, Hubertus Franke, IBM Research, Ge Yi, IBM Research, Tao Liu, IBM Research, Kun Wang, IBM Research, Jimi Xenidis, Qualcomm Research, Fei Chen, IBM Research, Yu Zhang, IBM Research, <http://dl.acm.org/citation.cfm?id=2485933>
4. **Exploring Memory Consistency for Massively-Threaded Throughput-Oriented Processors**. Blake A. Hechtman, Duke University, AMD, Daniel J. Sorin, Duke University, [http://people.duke.edu/~bah13/papers/isca13\\_consistency.pdf](http://people.duke.edu/~bah13/papers/isca13_consistency.pdf)
5. **Robust Architectural Support for Transactional Memory in the POWER Architecture**. Harold W. Cain, IBM Research, Brad Frey, IBM Systems and Technology Group, Derek Williams, IBM Systems and Technology Group, Maged Michael, IBM Research Cathy May, IBM Systems and Technology Group, Hung Le, IBM Systems and Technology Group, <http://dl.acm.org/citation.cfm?id=248594>
6. **Efficient Virtual Memory for Big Memory Servers**. Arkaprava Basu, University of Wisconsin, Madison, Jayneel Gandhi, University of Wisconsin, Madison, Jichuan Chang, HP Labs, Mark Hill, University of Wisconsin, Madison, Mike Swift, University of Wisconsin, Madison, [http://research.cs.wisc.edu/multifacet/papers/isca13\\_direct\\_segment.pdf](http://research.cs.wisc.edu/multifacet/papers/isca13_direct_segment.pdf)
7. **A Hardware Evaluation of Cache Partitioning to Improve Utilization and Energy-Efficiency while Preserving Responsiveness**. Henry Cook, UC Berkeley, Miquel Moreto, ICSI/UC Berkeley/UPC, Sarah Bird, UC Berkeley, Khanh Ngoc Dao, UC Berkeley, David Patterson, UC Berkeley, Krste Asanovic, UC Berkeley, [http://www.eecs.berkeley.edu/~hcook/papers/ISCA13\\_Henry\\_Cook.pdf](http://www.eecs.berkeley.edu/~hcook/papers/ISCA13_Henry_Cook.pdf)
8. **Catnap: Energy Proportional Multiple Network-on-Chip**. Reetuparna Das, University of Michigan, Satish Narayanasamy, University of Michigan, Sudhir Satpathy, University of Michigan, Ronald Dreslinski, University of Michigan, <http://web.eecs.umich.edu/~nsatish/papers/ISCA-13-Catnap.pdf>
9. **Zombie: Extending Memory Lifetime by Reviving Dead Blocks**. Rodolfo Jardim de Azevedo, State University of Campinas, Brazil, John D. Davis, Microsoft Research, Karin Strauss, Microsoft Research and University of Washington, Parikshit Gopalan, Microsoft Research, Mark Manasse, Microsoft Research, Sergey Yekhanin, Microsoft Research, [http://research.microsoft.com/pubs/196121/ISCA13\\_Rodolfo\\_Azevedo.pdf](http://research.microsoft.com/pubs/196121/ISCA13_Rodolfo_Azevedo.pdf)
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## ASPLOS 2013

1. **Parasol and GreenSwitch: Managing Datacenters Powered by Renewable Energy**. Íñigo Goiri (Rutgers University), William Katsak (Rutgers University), Kien Le (Rutgers University), Thu D. Nguyen (Rutgers University), Ricardo Bianchini (Rutgers University). <http://www.cs.rutgers.edu/~ricardob/papers/asplos13.pdf>
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  7. **Discerning the Dominant Out-of-Order Performance Advantage: is it Dynamism or Speculation?** Daniel McFarlin (Carnegie Mellon University), Charles Tucker (University of Illinois Urbana Champaign), Craig Zilles (University of Illinois Urbana Champaign). <http://dl.acm.org/citation.cfm?id=2451143>
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  9. **To Hardware Prefetch or Not to Prefetch? A Virtualized Environment Study & Core Binding Approach.** Hui Kang (Stony Brook University), Jennifer Wong (Stony Brook University). <http://dl.acm.org/citation.cfm?id=2451155>
  10. **Traffic Management: A Holistic Approach to Memory Placement on NUMA Systems.** Mohammad Dashti (Simon Fraser University), Alexandra Fedorova (Simon Fraser University), Justin Funston (Simon Fraser University), Fabien Gaud (Simon Fraser University), Renaud Lachaize (UJF), Baptiste Lepers (INRIA), Vivien Quema (CNRS), Mark Roth (Simon Fraser University). [www.cs.sfu.ca/~fedorova/papers/asplos284-dashti.pdf](http://www.cs.sfu.ca/~fedorova/papers/asplos284-dashti.pdf)
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  13. **Unikernels: Library Operating Systems for the Cloud.** Anil Madhavapeddy (University of Cambridge), Richard Mortier (University of Nottingham), Charalampos Rotsos (University of Cambridge), David Scott (Citrix Systems R&D), Balraj Singh (University of Cambridge), Thomas Gazagnaire (OcamlPro), Steven Smith (University of Cambridge), Steven Hand (University of Cambridge), Jon Crowcroft (University of Cambridge). <http://anil.recoil.org/papers/2013-asplos-mirage.pdf>
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3. **Decoupled Compressed Cache: Exploiting Spatial Locality for Energy-Optimized Compressed Caching.** Somayeh Sardashti and David A. Wood (University of Wisconsin-Madison), <http://dl.acm.org/citation.cfm?doid=2540708.2540715>
4. **Linearly Compressed Pages: A Low-Complexity, Low-Latency Main Memory Compression Framework.** Gennady Pekhimenko, Vivek Seshadri, Yoongu Kim, Hongyi Xin, Onur Mutlu (CMU), Phillip B. Gibbons, Michael A. Kozuch (Intel), and Todd C. Mowry (CMU), <http://dl.acm.org/citation.cfm?doid=2540708.2540724>
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9. **Imbalanced Cache Partitioning for Balanced Data-Parallel Programs.** Abhisek Pan and Vijay S. Pai (Purdue University), <http://dl.acm.org/citation.cfm?doid=2540708.2540734>
10. **Large-Reach Memory Management Unit Caches.** Abhishek Bhattacharjee (Rutgers University), <http://dl.acm.org/citation.cfm?doid=2540708.2540741>
11. **Heterogeneous System Coherence for Integrated CPU-GPU Systems.** Jason Power, Arkaprava Basu (University of Wisconsin-Madison), Junli Gu, Sooraj Puthoor, Bradford M. Beckmann (AMD), Mark D. Hill (University of Wisconsin-Madison, AMD), Steven K. Reinhardt (AMD), and David A. Wood (University of Wisconsin-Madison, AMD), <http://dl.acm.org/citation.cfm?doid=2540708.2540747>
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