

### **Regularities Considered Harmful : Forcing randomness to Memory Accesses to Reduce Row Buffer Conflicts for Multi-Core, Multi-Bank System.**

This paper suggested new memory allocator used in kernel-level. The reason why authors are made a new memory allocator is to fully utilizing parallelism between multi cores and reduce row buffer conflict. For the first one, they introduced memory container. Using these a new concept, memory allocators can assign the different page frame to each cores so that parallelism can be guaranteed. To achieve the second goal, they adopt randomize algorithm when accessing memory bank. By experiments, they proved randomize is more powerful than sequence or another regularity algorithms.