A New Universal Construction for Distributed Computing

Faith Ellen
Department of Computer Science, University of Toronto, Canada
Department of Mathematics and Computer Science, SDU

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Abstract:
Universal constructions are methods for simulating any sequentially specified object in an asynchronous shared memory system with sufficiently powerful base objects, such as compare & swap. This talk will survey some existing universal constructions and present a new, more efficient one. This work is joint with Phong Chuong and Vijaya Ramachandran and will be presented at SPAA 2010.

Host: Joan Boyar