

20th International Workshop on Post Binary ULSI Systems

May 22, 2011

Gustavelund Conference Hotel, Tuusula, Finland

Final Program

9:30 AM - 9:40 AM	Opening Remark	ULSIWS2011 General Chair, Naofumi Homma (Tohoku University, Japan)
9:40 AM - 10:30 AM	ULSI Workshop 20th Anniversary Invited Talk: Prospects of Post-Binary ULSI Systems and Novel Reconfigurable VLSI Architectures Michitaka Kameyama (Tohoku University, Japan)	
10:30 AM - 10:45 AM	Break	
10:45 AM - 11:10 AM	Considerations of Incorporating MTJ-based Blocks into Existing FPGA Architecture Families Luca Montesi, Zeljko Zilic (McGill University, Canada), Takahiro Hanyu, Daisuke Suzuki (Tohoku University, Japan)	
11:10 AM - 11:35 AM	A 2nd-Order Time-Domain Pre-Emphasis Technique and Its Experimental FPGA Implementation Yasushi YUMINAKA, Shingo ISHIDA, Kenichi HENMI (Gunma University, Japan)	
11:35 AM - 12:00 PM	Platform-Independent Middleware Code Generation for Functionally Distributed Embedded Systems C. Yamada (Okinawa National College of Tech., Japan), A. Makabi (Nagaoka University of Tech., Japan), Y. Nagata (Univ. of the Ryukyus)	
12:00 PM - 1:30 PM	Lunch Break	
1:30 PM - 2:20 PM	Invited Talk: Non-Binary Analog-to-Digital Converters Takao Waho (Sophia University, Japan)	
2:20 PM - 2:30 PM	Break	
2:30 PM - 2:55 PM	Probabilistic Gates and Belief Networks S. N. Yanushkevich, V. P. Shmerko, A. Abbasinasab, G. Tangim (University of Calgary, Canada)	
2:55 PM - 3:20 PM	Stochastic-Computation-Based Iterative Interference-Cancellation Algorithm for Wireless Communication Channels Russell D. Dodd (University of Alberta, Canada), Vincent C. Gaudet (University of Waterloo, Canada)	
3:20 PM - 3:30 PM	Break	
3:30 PM - 3:55 PM	Partial Clones Over a Finite Set, a Brief Survey Lucien Haddad (Royal Military College of Canada, Canada)	
3:55 PM - 4:20 PM	Boolean Differential Equations B. Steinbach (Freiberg University of Mining and Technology, Germany), C. Posthoff (The University of the West Indies, Trinidad & Tobago)	
4:20 PM - 4:30 PM	Closing ULSIWS2011 Co-Chair, Yasushi Yuminaka (Gunma University, Japan)	