23rd International Workshop
on Post-Binary ULSI Systems (ULSIWS2014)

FINAL PROGRAM

9:30-10:00	Registration & Coffee
10:00-10:10	Opening Remark *ULSIWS2014 General Co-chair,* **Naofumi Homma** *(Tohoku University, Japan)*
Session 1: Chair Naofumi Homma (Tohoku University, Japan)	
10:10-10:50	[Invited Talk] Challenge of Nonvolatile TCAM Design Automation **Akira Mochizuki**, *Masanori Natsui (Tohoku University, Japan), Noboru Sakimura, Tadahiro Sugibayashi (NEC Corporation, Japan), Takahiro Hanyu (Tohoku University, Japan)*
10:50-11:00	Brief Break
Session 2: Chair Naofumi Homma (Tohoku University, Japan)	
11:00-11:30	Synthesis of Linear Nearest Neighbor CNOT Circuits **D. Michael Miller***(University of Victoria, Canada)*
11:30-12:00	Automatic Algorithm Selection for Real-World Intelligent Systems VLSI Platform **Martin Lukac**, *Michitaka Kameyama (Tohoku University, Japan), Yoshichika Fujioka (Hachinohe Instutute of Technology, Japan)*
12:00-13:30	Lunch Break
Session 3: Chair Hiroki Nakahara (Kagoshima University, Japan)	
13:30-14:00	Remarks on the Implementation of Galois Field Operations in Computing Galois Field Spectra *Dusan B. Gajic, Milos Radmanovic,* **Radomir S. Stankovic** *(University of Nis, Serbia)*
14:00-14:30	A Survey of Consecutive-k-out-of-n Systems Bounds **Leonard Daus**, *Valeriu Beiu (Arab Emirates University, UAE)*
14:30-15:00	Reduction of Variables of Index Generation Functions by Linear and Polynomial Transformations *Helena Astola(Tampere University of Technology, Finland),* **Radomir S. Stankovic***(University of Nis, Serbia)*
15:00-15:30	Coffee Break
Session 4: Chair Yasushi Yuminaka (Gunma University, Japan)	
15:30-16:00	Early Pioneers in Reversible Computation **Pawel Kerntopf***(Warsaw University of Technology, Poland), Radomir S. Stankovic(University of Nis, Serbia), Alexis De Vos(University Gent, Belgium), Jaakko Astola(Tampere University of Technology, Finland)*
16:00-16:30	Model Checking for Multi-Valued Behaviours **Chikatoshi Yamada***(Okinawa National College of Technology, Japan), Yasunori Nagata(University of the Ryukyus, Japan), Michael Miller(University of Victoria, Canada)*
16:30-16:40	Closing *ULSIWS2014 General Co-chair,* **Hiroki Nakahara** *(Kagoshima University, Japan)*
18:00-	(ISMVL Reception)

*25(Talk)+5(Q&A) minutes for presentation