

Record of the 2015 Reed-Muller Workshop

May 21, 2015
University of Waterloo
Waterloo, Canada



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MESSAGE FROM THE CHAIRS

It is our pleasure to welcome you to the 2015 Reed-Muller Workshop. The Workshop is held biennially and since 2007 has been held in conjunction with the IEEE Computer Society International Symposium on Multiple-valued Logic. The RM Workshop has been previously held in Toyama (Japan) in 2013, Tuusula (Finland) in 2011, Naha (Japan) in 2009, Oslo (Norway) in 2007, Tokyo (Japan) in 2005, Trier (Germany) in 2003, Starkville, Mississippi (USA) in 2001, Victoria (Canada) in 1999, Oxford (UK) in 1997, Chiba (Japan) in 1995, and Hamburg (Germany) in 1993.

The goal of the Workshop is to provide a forum for researchers to exchange and discuss research ideas in a broad range of areas including: graph-based representations of logic functions, EXOR-based representations, spectral representation of logic functions, graph functions, bent functions, and cryptography. Implementation issues and applications are also of interest.

We are very pleased to acknowledge and thank two invited speakers:

Mathias Soeken: *Generalized Equivalence Checking Problems for Reverse Engineering*

Bernd Steinbach: *The Boolean Differential Calculus - a Compact Introduction and Selected Applications*

We also thank the authors of the contributed papers. Their contributions were reviewed by a program committee comprised of:

Jon T. Butler, Naval Postgraduate School, USA
Rolf Drechsler, University of Bremen, Germany
Gerhard W. Dueck, University of New Brunswick, Canada
D. Michael Miller, University of Victoria, Canada
Marek Perkowski, Portland State University, USA
Tsutomu Sasao, Meiji University, Japan
Radomir Stanković, University of Nis, Serbia
Bernd Steinbach, TU Universität Bergakademie Freiberg, Germany
Mitchell A. Thornton (PC Chair), Southern Methodist University, USA

We wish all attendees a successful workshop and hope that it will stimulate further research and collaborations.

Sincerely,

D. Michael Miller
RM-2015 General Chair
University of Victoria, Canada

Mitchell A. Thornton
RM-2015 Program Chair
Southern Methodist University, USA