

Introduction

The 48th International Symposium on Multiple-Valued Logic (ISMVL 2018) was held at the Johannes Kepler University (JKU) in Linz, Austria, for the period of May 16-18, 2018. General chair of the symposium was Robert Wille. The number of the presentations given during the symposium was 47, including 3 keynote addresses.

This is a special issue consisting of the following three papers selected from the papers presented at ISMVL 2018.

1. “A Spectral Algorithm for Ternary Function Equivalence Classification” by D. Michael Miller and Mathias Soeken
2. “Characterization of Multiple-Valued Threshold Functions in the Vilenkin-Chrestenson Basis” by Ivan Prokić
3. “Bases for the Space of Fixed Points of the Reed-Muller-Fourier Transform” by Tamás Waldhauser

Each paper is an extended and/or revised version of the paper presented at the symposium. Note that the selection was made among, more or less, mathematically oriented papers.

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Hajime Machida