The 3rd International Conference on Boolean Algebra, Lattice Theory, Universal Algebra, Set Theory and Set-theoretical Topology—BLAST 2010

**John Harding · Bart Kastermans · Keith Kearnes ·
J. Donald Monk · Ágnes Szendrei**

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The 3rd International Conference on Boolean Algebra, Lattice Theory, Universal Algebra, Set Theory and Set-Theoretical Topology—BLAST 2010—was held at the University of Colorado at Boulder on June 2–6, 2010. The meeting brought together 70 researchers from Canada, Columbia, the Czech Republic, England, France, Germany, Hungary, Israel, Luxembourg, Mexico, Morocco, New Zealand, Pakistan, Russia, Serbia, and the United States.

The aim of the BLAST conference series is to promote interaction between researchers from diverse areas related to the foundations of mathematics. The acronym BLAST emphasizes that research in Boolean algebra, lattice theory, universal algebra, set theory and set-theoretic topology are within the scope of the conference series, but past BLAST meetings have also highlighted other areas including algebraic logic, quantum logic and point-free topology.

Plenary speakers at the 2010 conference included Mohamed Bekkali (Université Sidi Mohamed Ben Abdellah), Ken Kunen (University of Wisconsin), Ralph McKenzie (Vanderbilt University), David Milovich (Texas A & M International University), Judith Roitman (University of Kansas), Grigor Sargsyan (UCLA), Juris Steprans (York University), and Friedrich Wehrung (Caen University).

To encourage cross-disciplinary interaction, four multi-day minicourses were scheduled: *Special ultrafilters on countable sets* by Andreas Blass (University of Michigan), *Topological games* by Gary Gruenhage (Auburn University), *Locally moving groups and how they are used* by Matatyahu Rubin (Ben-Gurion University), and *Universal algebra, Mal'cev conditions, and finite relational structures* by Ross Willard (University of Waterloo).

J. Harding
New Mexico State University, Las Cruces, NM, USA

B. Kastermans · K. Kearnes (✉) · J. Donald Monk · Á. Szendrei
University of Colorado, Boulder, CO, USA
e-mail: kearnes@euclid.colorado.edu

This volume includes five papers contributed by the plenary speakers and four papers contributed by conference participants. (One of the papers, *Commuting polynomial operations of distributive lattices*, reports on a problem posed at the conference and solved the following week by some conference participants.) All papers were refereed according to the standards of *Order*. We, who served as guest editors on this special volume, extend our thanks to the anonymous referees for their efforts, to the authors for sharing their ideas through their submissions, and to the conference participants for making BLAST 2010 a success.