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Introduction [3rd Mile High Conference on Nonassociative Mathematics]

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INTRODUCTION

This issue and part of the next issue of CMUC consist of extended versions of selected talks presented at the *3rd Mile High Conference on Nonassociative Mathematics*. The conference took place at the Department of Mathematics, University of Denver, Denver, Colorado, USA, August 11–17, 2013, and it was attended by 56 researchers from 18 countries.

The Mile High Conferences attempt to bring together researchers from all fields of nonassociative mathematics, including quasigroups, loops, latin squares, Lie algebras, Jordan algebras, octonions, and nonassociative structures in physics. This intent is evident from the titles of the main lectures delivered at the conference: Georgia Benkart, *Triality*; Charles Colbourn, *Mutually orthogonal latin squares: Packing and covering analogues*; Alberto Elduque, *Fine gradings and gradings by root systems on simple Lie algebras*; Pavel Kolesnikov, *Algebras with operators, Koszul duality, and conformal algebras*; Peter Plaumann, *The Sabinin product in loops and quasigroups*; Jonathan Smith, *Quasigroup actions and approximate symmetry*; Tony Sudbery, *The exceptions that prove the rule*. The contributed talks, some of which are published here, further document the extent of nonassociative structures in contemporary mathematics and physics.

The guest editors of this special issue also served as the members of the Program and Organizing Committee of the conference. The Local Organizing Committee consisted of graduate students Drew Ash, Mark Greer, Jenya Kirshtein, and Matthew Koch.

A complete list of participants, abstracts of all talks, full presentations of most talks, a list of open problems, and additional information about the conference can be found at <http://www.math.du.edu/milehigh>.

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In Denver on April 14, 2014

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