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**Proceedings of the Fifth International Conference on
Mathematical Aspects of
Computer and Information Sciences**

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Preface

This volume collects contributions presented at the Fifth International Conference on Mathematical Aspects of Computer and Information Sciences (MACIS). The conference took place in Nanning, China, during December 11–13, 2013. Previous MACIS were held in Beijing, China (2011), Fukuoka, Japan (2009), Paris, France (2007), and Beijing, China (2006).

MACIS is a series of conferences where foundational research on theoretical and practical problems of mathematics for computing and information processing may be presented and discussed. Furthermore, MACIS addresses experiments, case studies, scientific computation, computation in engineering, design and implementation of algorithms and software systems, and applications of mathematical methods and tools to outstanding and emerging problems in applied computer and information sciences. Each conference focuses on two or three themes. At MACIS 2013 these themes were Constraints and Combinations, Data Modeling and Analysis, and Information Security and Cryptography.

MACIS provides a quite open forum for scientific exchange. Accordingly, we present in this volume contributions, which in character range from full papers through extended abstracts to informal communications.

At this place we would like to thank all people who contributed to these proceedings. The track chairs took a lot of burden from the program committee chair. The program committee and the external reviewers worked thoroughly and reliably on a tight schedule. Stefan Ratschan supported us with his experience from editing former MACIS proceedings. Chenqi Mou managed the production process and reliably resolved all upcoming issues. Last but not least we thank Dongming Wang who always kept an overview and provided valuable advice.

December 2013

Marek Košta
Thomas Sturm

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