Mathematics in Computer Science

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Foreword

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This special issue comprises of selected papers submitted to two conferences, ICMEB 2012 and ICMCE 2013, both held in Chennai, India.

Stella Maris College and Loyola Institute of Business Administration (LIBA), Chennai, jointly hosted the "International Conference on Mathematics in Engineering and Business Management, ICMEB 2012" during 9–10 March 2012, Chennai, India. This conference was planned with mathematicians, engineers, managers and consultants from leading institutions in order to stress the importance of mathematics in engineering and business management. Seven overseas delegates delivered plenary lectures and eleven eminent speakers from various parts of India addressed the participants of the conference.

Apart from this special issue of MCS, there were three other special issues of journals stemming from the ICMEB 2012 conference, namely, JDA (Journal of Discrete Algorithms), ANOR (Annals of Operations Research) and JCMCC (Journal of Combinatorial Mathematics and Combinatorial Computing).

The Mathematics Division of the School of Advanced Sciences at VIT University, Chennai organized the "International Conference on Mathematical Computer Engineering, ICMCE 2013" during 29–30 November 2013. The objective of the conference was to highlight the role of mathematics in the field of engineering and computer science and to encourage young mathematicians to participate in collaborative research with engineers and business managers, and to bring all active researchers under the one umbrella of mathematics.

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Parallel sessions for paper presentation were included to provide a research platform for young researchers to enhance their knowledge. The conferences accepted only high-quality original research papers. Each of the papers was peer-reviewed by at least two referees.

An indication of the success of these conferences, in terms of the number and quality of the papers received, was that extended versions of selected papers were subsequently published in special issues of six international journals, including this special issue of the Mathematics in Computer Science journal, as well as Journal of Discrete Algorithms—Elsevier, Annals of Operations Research—Springer, Journal of Combinatorial Mathematics and Combinatorial Computing—Charles Babbage Research Centre, International Journal of Pure and Applied Mathematics—Academic Publications and Journal of Computer Science—Science Publications.

The editors of this special issue of Mathematics in Computer Science would like to thank the authors, as well as the referees who have given generously of their time to review the submitted papers, and whose work has helped to achieve the high quality of the published versions of the papers.