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Transactions on Rough Sets XIV

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Preface

Volume XIV of the *Transactions on Rough Sets* includes extensions of papers presented at the 12th International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC 2009) held in the Indian Institute of Technology, Delhi, India, and published in the *Lecture Notes in Artificial Intelligence* volume 5908. The authors of 14 papers were invited to prepare extended manuscripts. Each submission was peer-reviewed by three reviewers. After two rounds of reviews, 10 articles were accepted for publication.

The contents of this special issue refer to both theory and practice. The topics include various rough set generalizations in combination with formal concept analysis, lattice theory, fuzzy sets and belief functions, rough and fuzzy clustering techniques, as well as applications to gene selection, Web page recommendation systems, facial recognition, and temporal pattern detection. In addition, this publication contains a regular article on rough multiset and its multiset topology.

The editors of this special issue would like to express gratitude to the authors of all submitted papers. Special thanks are due to the following reviewers: Hidenao Abe, Suruchi Chawla, Zied Elouedi, Homa Fashandi, Daryl Hepting, Andrzej Janusz, Na Jiao, Michiro Kondo, Pawan Lingras, Duoqian Miao, E.K.R. Nagarajan, Bidyut Kr. Patra, Sheela Ramanna, and Pulak Samanta. We would also like to acknowledge Sheela Ramanna for technical management of the TRS online system. The editors and authors of this volume extend their gratitude to Alfred Hofmann, Anna Kramer, Ursula Barth, Christine Reiss, and the LNCS staff at Springer for their support in making this volume of the TRS possible.

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February 2011

Hiroshi Sakai
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LNCS Transactions on Rough Sets

The *Transactions on Rough Sets* series has as its principal aim the fostering of professional exchanges between scientists and practitioners who are interested in the foundations and applications of rough sets. Topics include foundations and applications of rough sets as well as foundations and applications of hybrid methods combining rough sets with other approaches important for the development of intelligent systems. The journal includes high-quality research articles accepted for publication on the basis of thorough peer reviews. Dissertations and monographs up to 250 pages that include new research results can also be considered as regular papers. Extended and revised versions of selected papers from conferences can also be included in regular or special issues of the journal.

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