Foreword

When I was invited to write a foreword for this book *Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making*, I was very happy to note the variety of applications in computational intelligence techniques. This book is a significant collection of 19 chapters covering fuzzy sets and rough sets, as well as their applications in organizational decision making that have emerged in the recent decades. This book provides an excellent platform to review various areas of computational intelligence in depth, and caters for the needs of both novices to the field and seasoned researchers and practitioners. The rapid growth and advances in a wide variety of applications of fuzzy sets and rough sets paradigms are documented in this book, such as neuro-fuzzy, genetic algorithms, and optimization techniques, which are focused at real-world decision making analysis, modeling and control problems.

To my knowledge, this is the first attempt of its kind, providing an intensive and in-depth coverage of the key subjects in the fields of fuzzy sets and rough sets on organizational decision making and analytics. This book is an invaluable, topical, and timely source of knowledge in the field, which serves nicely as a major textbook for several courses at both undergraduate and post graduate levels. It is also a key reference for scientists, professionals, researchers, and academicians, who are interested in new challenges, theories, practice and advanced applications of the specific areas mentioned above.

I am happy to commend the editors and authors on their accomplishment, and to inform the readers that they are looking at a major piece in the development of computational intelligence on organizational decision making. This book is a main step in this field’s maturation and will serve to unify, advance, and challenge the scientific community in many important ways.

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