

Preface

This volume contains the papers that were presented at the 5th International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making (IUKM 2016) held in Da Nang, Vietnam, from November 30 to December 2, 2016.

The IUKM symposia aim to provide a forum for the exchange of research results and ideas, and experiences in application among researchers and practitioners involved with all aspects of uncertainty modelling and management. Previous editions of the conference were held in Ishikawa, Japan (originally under the name of International Symposium on Integrated Uncertainty Management and Applications – IUM 2010), Hangzhou, China (IUKM 2011), Beijing, China (IUKM 2013), and Nha Trang, Vietnam (IUKM 2015).

IUKM 2016 was jointly organized by Duy Tan University (Da Nang, Vietnam), Japan Advanced Institute of Science and Technology (JAIST), and Belief Functions and Applications Society (BFAS).

The organizers received 78 submissions. Each of which was peer reviewed by at least two members of the Program Committee. While 35 papers were accepted after the first round of reviews, 22 others were conditionally accepted and underwent a rebuttal stage in which authors were asked to revise their paper in accordance to the reviews, and prepare an extensive response addressing the reviewers' concerns. The final decision was made by the program chairs. Finally, 57 papers were accepted for presentation at IUKM 2016 and publication in the proceedings. Invited talks presented at the symposium are also included in this volume.

As a follow-up of the symposium, a special volume of the *International Journal of Approximate Reasoning* is anticipated to include a small number of extended papers selected from the symposium as well as other relevant contributions received in response to subsequent open calls. These journal submissions will go through a fresh round of reviews in accordance with the journal's guidelines.

The IUKM 2016 symposium was partially supported by the National Foundation for Science and Technology Development of Vietnam (NAFOSTED) and Duy Tan University. The IUKM 2016 best student paper award was sponsored by Elsevier. We are very thankful to Dr. Gia-Nhu Nguyen and his local organizing team from Duy Tan University for their hard work and efficient services and for the wonderful local arrangements.

We would like to express our appreciation to the members of the Program Committee for their support and cooperation in this publication. We are also thankful to Alfred Hofmann, Anna Kramer, and their colleagues at Springer for providing a meticulous service for the timely production of this volume. Last, but certainly not the

least, our special thanks go to all the authors who submitted papers and all the attendees for their contributions and fruitful discussions that made this conference a great success.

December 2016

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Integrated Uncertainty in Knowledge Modelling and
Decision Making

5th International Symposium, IUKM 2016, Da Nang,
Vietnam, November 30- December 2, 2016,
Proceedings

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(Eds.)

2016, XXIV, 728 p. 191 illus., Softcover

ISBN: 978-3-319-49045-8