

Preface

This volume contains, first of all, the papers presented at the Fourteenth International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN-2015) organized, and collocated with the Flexible Query Answering Systems 2015 (FQAS-2015) held on October 26–28, 2015 in Cracow, Poland. Moreover, the volume contains some papers of a particular relevance not presented at the Workshop.

This Workshop is a next edition of a series of the IWIFSGN Workshops organized for years by the Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland, Institute of Biophysics and Biomedical Engineering, Bulgarian Academy of Sciences, Sofia, Bulgaria, and WIT—Warsaw School of Information Technology, Warsaw, Poland, and co-organized by: Matej Bel University, Banská Bystrica, Slovakia, Universidad Pública de Navarra, Pamplona, Spain, Universidade de Trás-os-Montes e Alto Douro, Vila Real, Portugal, Prof. Asen Zlatarov University, Burgas, Bulgaria, Complutense University, Madrid, Spain, and the University of Westminster, Harrow, UK.

The workshop is mainly devoted to the presentation of recent research results in the broadly perceived fields of intuitionistic fuzzy sets and generalized nets initiated by Professor Krassimir T. Atanassov whose constant inspiration and support is crucial for such a widespread growing popularity and recognition of these areas.

An important contribution of the Workshop is also the fact that it greatly facilitates, and often makes it possible, a deeper discussion on papers presented which as a rule results then in new collaborative works and a further progress in the areas.

The workshop has been partially supported, financially and technically, by many organizations, notably: Systems Research Institute, Polish Academy of Sciences; Department IV of Engineering Sciences, Polish Academy of Sciences; Cracow Branch, Polish Academy of Sciences; Academia Europaea—The Hubert Curien Initiative Fund; Ghent University; Polish Association of Artificial Intelligence, and Polish Operational and Systems Research Society. Their support is acknowledged and highly appreciated.

We hope that the collection of main contributions presented at the workshop, completed with papers by leading experts who have not been able to participate, will provide a source of much needed information and inspiration on recent trends in the topics considered.

We wish to thank all the authors for their excellent contributions and their collaboration during the editing process of the volume. We are looking forward to the same fruitful collaboration during the next workshops of this series that are planned for the years to come. Special thanks are due to the peer reviewers whose excellent and timely work has significantly contributed to the quality of the volume.

And last but not least, we wish to thank Dr. Tom Ditzinger, Dr. Leontina di Cecco, and Mr. Holger Schaepe from Springer for their dedication and help to implement and finish this large publication project on time maintaining the highest publication standards.

August 2015

The Editors

Novel Developments in Uncertainty Representation and Processing

Advances in Intuitionistic Fuzzy Sets and Generalized Nets – Proceedings of 14th International Conference on Intuitionistic Fuzzy Sets and Generalized Nets

Atanassov, K.T.; Castillo, O.; Kacprzyk, J.; Krawczak, M.; Melin, P.; Sotirov, S.; Sotirova, E.; Szmidt, E.; De Tré, G.; Zadrozny, S. (Eds.)

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