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## Foreword

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**Biographical notes:** Ismail H. Altas received his BScE in Electrical Engineering from Yildiz University, and MScE from Karadeniz Technical University (KTU), Turkey, in 1985 and 1988, respectively. He obtained his PhD degree from the University of New Brunswick, Canada, in 1993. He is currently a full time Professor in Electrical and Electronics Engineering Department at KTU. He is a Senior Member of IEEE Power Engineering, Industrial Electronics, Systems, Man and Cybernetics, Control Systems, and Computational Intelligence Societies. He works on intelligent control of power systems and utilisation of renewable energy.

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This special issue of the *International Journal of Reasoning-based Intelligent Systems (IJRIS)* consists of five selected papers from *INISTA 2012 – International Symposium on Innovations in Intelligent Systems and Applications*. INISTA 2012 was organised by Karadeniz Technical University, in cooperation with Yildiz Technical University in Trabzon, Turkey.

Both theoretical knowledge and application areas of the intelligent systems are growing fast, therefore, the requirement of new communication places for the researchers is arising. IJRIS aims to be an interdisciplinary forum that publishes original works related to intelligent systems, especially based on all kinds of formal and informal reasoning. Similarly, INISTA has been thought as a platform that the work over the world in this field can be presented and discussed. Hence, INISTA and IJRIS are

working together now. We are proud to present you this special issue.

A total of 165 papers from 17 countries were submitted to INISTA 2012 and through the symposium, 102 of them were presented after a double-blinded review process. Among them, five are selected to constitute this special issue. Selecting these papers among the others was a difficult process; approximately 95% of valuable works must be eliminated. But at the end of the moment, we decided to select application-based articles. Second, we tried to select them in a wide range of application areas to show the readers new domains. However, still we are sad to see some of the papers out of this special issue.

Finally, we would like to thank Professor Kazumi Nakamatsu for publishing this special issue of IJRIS and for his valuable and continuous support to INISTA.