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Hybrid Intelligent Systems

17th International Conference
on Hybrid Intelligent Systems (HIS 2017)
Held in Delhi, India, December 14–16, 2017

 Springer

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Preface

Welcome to the Proceedings of the 16th International Conference on Hybrid Intelligent Systems (HIS 2017) held in South Asian University, Delhi, India, during December 14–16, 2017. HIS 2017 is jointly organized by the Machine Intelligence Research Labs (MIR Labs), USA, and South Asian University, Delhi, India.

Hybridization of intelligent systems is a promising research field of modern artificial/computational intelligence concerned with the development of the next generation of intelligent systems. A fundamental stimulus to the investigations of hybrid intelligent systems (HISs) is the awareness in the academic communities that combined approaches will be necessary if the remaining tough problems in computational intelligence are to be solved. Recently, hybrid intelligent systems are getting popular due to their capabilities in handling several real-world complexities involving imprecision, uncertainty, and vagueness. HIS 2017 builds on the success of HIS 2016, which was held in Marrakech, Morocco, during November 21–23, 2016.

HIS 2017 was organized in conjunction with the 9th World Congress on Nature and Bio-inspired Computing (NaBIC 2017). Nature and Bio-inspired Computing is currently one of the most exciting research areas, and it is continuously demonstrating exceptional strength in solving complex real-life problems. The main driving force of the conference is to further explore the intriguing potential of Bio-inspired Computing.

Many people have collaborated and worked hard to produce this year successful HIS-NaBIC conferences. First, we would like to thank all the authors for submitting their papers to the conference, for their presentations and discussions during the conference. Our thanks to Program Committee members and reviewers, who carried out the most difficult work by carefully evaluating the submitted papers. We have two plenary speakers:

- Patricia Melin, Tijuana Institute of Technology, Tijuana, Mexico
- Alexander Gelbukh, Instituto Politécnico Nacional, Mexico City, Mexico

Thanks to all the speakers for their valuable time. The themes of the contributions and scientific sessions range from theories to applications, reflecting a wide spectrum of coverage of the hybrid intelligent systems and computational

intelligence areas. HIS 2017 received submissions from over 24 countries, and each paper was reviewed by at least five reviewers in a standard peer review process. Based on the recommendation by five independent referees, finally 35 papers were accepted for publication in the proceedings published by Springer, Verlag.

We would like to thank the Springer publication team for the wonderful support for the publication of this volume.

Ajith Abraham
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