

Advances in Intelligent Systems and Computing

Volume 410

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Himansu Sekhar Behera
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Computational Intelligence in Data Mining—Volume 1

Proceedings of the International Conference
on CIDM, 5–6 December 2015

 Springer

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Preface

The 2nd International Conference on “Computational Intelligence in Data Mining (ICCIDM-2015)” is organized by R.I.T., Berhampur, Odisha, India on 5 and 6 December 2015. ICCIDM is an international forum for representation of research and developments in the fields of Data Mining and Computational Intelligence. More than 300 perspective authors had submitted their research papers to the conference. This time the editors have selected 96 papers after the double-blind peer review process by elegantly experienced subject expert reviewers chosen from the country and abroad. The proceedings of ICCIDM is a mix of papers from some latest findings and research of the authors. It is being a great honour for us to edit the proceedings. We have enjoyed considerably working in cooperation with the International Advisory, Program and Technical Committee to call for papers, review papers and finalize papers to be included in the proceedings.

This International Conference aims at encompassing a new breed of engineers and technologists making it a crest of global success. All the papers are focused on the thematic presentation areas of the conference and they have provided ample opportunity for presentation in different sessions. Research in data mining has its own history. But, there is no doubt about the tips and further advancements in the data mining areas will be the main focus of the conference. This year’s program includes exciting collections of contributions resulting from a successful call for papers. The selected papers have been divided into thematic areas including both review and research papers and which highlight the current focus of Computational Intelligence Techniques in Data Mining. The conference aims at creating a forum for further discussion for an integrated information field incorporating a series of technical issues in the frontier analysis and design aspects of different alliances in the related field of intelligent computing and others. Therefore, the call for paper was on three major themes like Methods, Algorithms, and Models in Data Mining and Machine learning, Advance Computing and Applications. Further, the papers discussing the issues and applications related to the theme of the conference were also welcomed to ICCIDM.

The proceedings of ICCIDM are to be released to mark this great day of ICCIDM more special. We hope the author's own research and opinions add value to it. First and foremost are the authors of papers, columns and editorials whose works have made the conference a great success. We had a great time putting together this proceeding. The ICCIDM conference and proceedings are a credit to a large group of people and everyone should be proud of the outcome. We extend our deep sense of gratitude to all for their warm encouragement, inspiration and continuous support for making it possible.

Hope all of us will appreciate the good contributions made and justify our efforts.

Acknowledgments

The 2015 edition of ICCIDM has drawn hundreds of research articles authored by numerous academicians, researchers and practitioners throughout the world. We thank all of them for sharing their knowledge and research findings on an international platform like ICCIDM and thus contributing towards producing such a comprehensive conference proceedings of ICCIDM.

The level of enthusiasm displayed by the Organizing Committee members right from day one is commendable. The extraordinary spirit and dedication shown by the Organizing Committee in every phase throughout the conference deserves sincere thanks from the core of my heart.

It has indeed been an honour for us to edit the proceedings of the conference. We have been fortunate enough to work in cooperation with a brilliant International Advisory, Program and Technical Committee consisting of eminent academicians to call for papers, review papers and finalize papers to be included in the proceedings.

We would like to express our heartfelt gratitude and obligations to the benign reviewers for sparing their valuable time and putting in effort to review the papers in a stipulated time and providing their valuable suggestions and appreciation in improvising the presentation, quality and content of this proceedings. The eminence of these papers is an accolade not only to the authors but also to the reviewers who have guided towards perfection.

Last but not the least, the editorial members of Springer Publishing deserve a special mention and our sincere thanks to them not only for making our dream come true in the shape of this proceedings, but also for its hassle-free and in-time publication in *Advances in Intelligent Systems and Computing*, Springer.

The ICCIDM conference and proceedings are a credit to a large group of people and everyone should be proud of the outcome.

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About the Conference

The International Conference on “Computational Intelligence in Data Mining” (ICCIDM) has become one of the most sought-after International conferences in India amongst researchers across the globe. ICCIDM 2015 aims to facilitate cross-cooperation across diversified regional research communities within India as well as with other International regional research programs and partners. Such active discussions and brainstorming sessions among national and international research communities are the need of the hour as new trends, challenges and applications of Computational Intelligence in the field of Science, Engineering and Technology are cropping up by each passing moment. The 2015 edition of ICCIDM is an opportune platform for researchers, academicians, scientists and practitioners to share their innovative ideas and research findings, which will go a long way in finding solutions to confronting issues in related fields.

The conference aims to:

- Provide a sneak preview into the strengths and weakness of trending applications and research findings in the field of Computational Intelligence and Data Mining.
- Enhance the exchange of ideas and achieve coherence between the various Computational Intelligence Methods.
- Enrich the relevance and exploitation experience in the field of data mining for seasoned and naïve data scientists.
- Bridge the gap between research and academics so as to create a pioneering platform for academicians and practitioners.
- Promote novel high-quality research findings and innovative solutions to the challenging problems in Intelligent Computing.
- Make a fruitful and effective contribution towards the advancements in the field of data mining.
- Provide research recommendations for future assessment reports.

By the end of the conference, we hope the participants will enrich their knowledge by new perspectives and views on current research topics from leading scientists, researchers and academicians around the globe, contribute their own ideas on important research topics like Data Mining and Computational Intelligence, as well as collaborate with their international counterparts.

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