

Preface

We are pleased to present the proceedings of the Third International Conference on Soft Computing in Data Science 2017 (SCDS 2017). SCDS 2017 was held in the Royal Ambarrukmo Hotel in Yogyakarta, Indonesia, during November 27–28, 2017. The theme of the conference was “Science in Analytics: Harnessing Data and Simplifying Solutions.” Data science can improve corporate decision-making and performance, personalize medicine and health-care services, and improve the efficiency and performance of organizations. Data science and analytics play an important role in various disciplines including business, medical and health informatics, social sciences, manufacturing, economics, accounting, and finance.

SCDS 2017 provided a platform for discussions on leading-edge methods and also addressed challenges, problems, and issues in machine learning in data science and analytics. The role of machine learning in data science and analytics is significantly increasing in every field from engineering to life sciences and with advanced computer algorithms, solutions for complex real problems can be simplified. For the advancement of society in the twenty-first century, there is a need to transfer knowledge and technology to industrial applications to solve real-world problems. Research collaborations between academia and industry can lead to the advancement of useful analytics and computing applications to facilitate real-time insights and solutions.

We were delighted this year to collaborate with Universitas Gadjah Mada, and this has increased the submissions from a diverse group of national and international researchers. We received 68 submissions, among which 26 were accepted. SCDS 2017 utilized a double-blind review procedure. All accepted submissions were assigned to at least three independent reviewers (at least one international reviewers) in order to have a rigorous and convincing evaluation process. A total of 49 international and 65 local reviewers were involved in the review process. The conference proceeding volume editors and Springer’s CCIS Editorial Board made the final decisions on acceptance, with 26 of the 68 submissions (38%) being published in the conference proceedings.

We would like to thank the authors who submitted manuscripts to SCDS 2017. We thank the reviewers for voluntarily spending time to review the papers. We thank all conference committee members for their tremendous time, ideas, and efforts in ensuring the success of SCDS 2017. We also wish to thank the Springer CCIS Editorial Board, organizations, and sponsors for their continuous support.

We sincerely hope that SCDS 2017 provided a venue for knowledge sharing, publication of good research findings, and new research collaborations. Last but not least, we hope everyone benefited from the keynote, special, and parallel sessions, and had an enjoyable and memorable experience at SCDS 2017 and in Yogyakarta, Indonesia.

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