

# Proceedings of 2019 The 2nd International Conference on Software Engineering and Information Management (ICSIM 2019)

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Workshop  
2019 The 2nd International Conference on  
Big Data and Smart Computing  
(ICBDSC 2019)



**Bali, Indonesia  
January 10-13, 2019**

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Workshop

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# Preface

It is our great pleasure and honor to bring you to this collection of articles from the 2019 2<sup>nd</sup> International Conference on Software Engineering and Information Management (ICSIM 2019) and its workshop 2019 2<sup>nd</sup> International Conference on Big Data and Smart Computing (ICBDSC 2019) which were held in Bali, Indonesia on January 10<sup>th</sup> - 13<sup>th</sup>, 2019.

The primary focus of this conference was to bring together academicians, researchers and scientists for knowledge sharing in various area of software engineering, information management, big data and smart computing. The ICSIM 2019 and its workshop ICBDSC 2019 served as a good platform for scientist community where participants met to exchange ideas.

The evaluation of all the papers was performed based on the reports from anonymous reviewers, who were qualified in the fields of software engineering, information management, big data and smart computing. We received 106 papers, and 56 papers were selected to presentations coming from countries and regions: Canada, USA, China, South Africa, Malaysia, Philippines, Indonesia, Jordan, Japan, India, Turkey, Viet Nam, Australia, South Korea, United Kingdom, Papua New Guinea, and Taiwan.

We would like to thank our keynote speakers who were pleased to make contributions to our conference and shared their new research ideas with us. They are Prof. Rajkumar Buyya, IEEE Fellow, Director of Cloud Computing and Distributed Systems (CLOUDS) Lab, The University of Melbourne, Australia and CEO of Manjrasoft Pvt Ltd, Melbourne, Australia; Dr. Eko K. Budiardjo from University of Indonesia, Indonesia; and Prof. Dr. I Nengah Suparta from Universitas Pendidikan Ganesha (Undiksha), Indonesia.

We also express our heartfelt appreciation to our chairs, sponsors, program chairs, technical committee members, organizing committee members, authors and delegates, who made a lot of efforts and contributions. Thanks to their support and help, we have held this conference successfully and always keep making progress. Finally, we also would like to take the opportunity to thank all reviewers who reviewed a huge number of papers. Last but not least, I would like to express our gratitude to local organizing committee members for their efficient assistances in holding the conference.

Yours sincerely,

## **Conference Chair**

Dr. Hadi Sutopo  
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