

Preface

2018 3rd International Conference on Design, Materials and Manufacturing (ICDMM 2018) was held in University of the Ryukyus, Okinawa, Japan during August 11-13, 2018 together with its workshop 2018 3rd International Conference on Material Engineering and Smart Materials (ICMESM 2018). Co-sponsored by University of the Ryukyus, Kyushu Branch of the Society of Materials Science, Japan and International Association of Computer Science and Information Technology, ICDMM 2018 provides a scientific platform for both local and international scientists, engineers and technologists who work in the related aspects of Design, Materials and Manufacturing to exchange latest research results.

Prof. Jesus Toribio, from University of Salamanca, Spain, Prof. Ömer Aydan, from University of the Ryukyus, Japan, and Prof. Nao-Aki Noda, from Kyushu Institute of Technology, Japan delivered speeches on their recent researches, giving an insight in up-to-date results to all participants. In addition, a poster session and six parallel oral sessions are successfully gone through with the efforts of all the session chairs and presenters. The visits of Disaster Prevention Research Center for Island Regions Lab, Corrosion in Metals and Structures Lab, Strength of Materials and Metal Fatigue Lab and Manufacturing Laboratory in University of the Ryukyus enriched the conference and deepened the exchange.

The volume includes 28 selected papers from 70 submissions which were submitted from universities, research institutes and industries all around the world. Each contributed paper has gone through a rigorous blind peer-review process. This volume tends to present to the readers the newest research results and findings in the related fields.

We wish to express our sincere appreciation to all individuals and organizations who have contributed to ICDMM 2018. Special thanks are extended to our colleagues in technical program committee for their thorough review of all the submissions, which is vital to the success of the conference, and also to the members in the organizing committee and the volunteers who had dedicated their time and efforts in planning, promoting, organizing and helping the conference.

We truly believe that the participants would have found the discussion fruitful, and will enjoy the opportunity for setting up future collaborations.

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