

Preface

2019 4th International Conference on Building Materials and Construction (ICBMC 2019) was held at National University of Singapore during February 25-28, 2019. 2019 2nd International Conference on Materials Design and Applications (ICMDA 2019) was held in Tokyo Institute of Technology, Tokyo, Japan during April 13-15, 2019. ICBMC 2019 and ICMDA 2019 were successful events with strong academic atmosphere, which helped participants to exchange scientific and technological ideas and to enjoy the updated information on the development in the field of building materials and construction.

ICBMC 2019 and ICMDA 2019 provided a great platform for researchers, engineers and academics to meet each other and to collaborate in further development of building materials and construction techniques. Distinguished professors were invited to deliver keynote speeches relating to the latest developments and trends in their respective fields. It is a golden opportunity for students, researchers and engineers to interact with the experts and specialists to get their advice or consultation on technical matters, sales and marketing strategies.

This set of conference proceedings presents a selection of papers submitted to the conferences from various universities, research institutes and industries. All papers were subjected to peer-review by conference committee members and other international reviewers. The papers were selected based on the quality and relevance to the conference. This volume presents recent advances in the field of Building Technology, Concrete Structures, Materials Properties, Ductility, Crack Resistance, Fatigue, Fracture Mechanics, Technologies of Materials Processing, etc.

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