

# Preface

Dear Distinguished Authors and Guests,

It was a great pleasure to welcome all participants in the 2020 9<sup>th</sup> International Conference on Advanced Materials and Engineering Materials (ICAMEM 2020) held in Bangkok, Thailand 3-5, July, 2020.

Since the first ICAMEM in Shenyang, China (2011), a series of ICAMEM has been held in Asia: the 2<sup>nd</sup>, Beijing, China (2012), the 3<sup>rd</sup>, Singapore (2013), the 4<sup>th</sup>, Ningbo & Hong Kong, China (2014), the 5<sup>th</sup>, Hong Kong, China (2016), the 6<sup>th</sup>, Singapore (2017), the 7<sup>th</sup>, Bangkok, Thailand (2018), the 8<sup>th</sup>, Hong Kong, China (2019).

The aim of 9<sup>th</sup> ICAMEM2020 is to gather professors, researchers and scholars all over the world. ICAMEM2020 will provide leading academy and industry scientists a platform to communicate recent advances in Advanced Materials and Engineering Materials Research and an opportunity to establish multilateral collaborations.

The papers were selected after the peer-review process by conference committee members and international reviewers. The submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference.

On behalf of the organizing committee, the editor would like to acknowledge the technical comments from the reviewers and thank all of the authors for their contributions to this proceeding book.

With our warmest regards,

Conference Organizing Chair  
Prof. Peng-Sheng Wei  
National Sun Yat-Sen University, Kaohsiung, Taiwan  
April 24, 2020

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Summer Wang, X-Academy

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X-academy dedicates to organize worldwide academic conference. X-academy cooperate with IEEE (Institute of Electrical and Electronics Engineers), IEEE Harbin (Dalian) Section CIS Chapter and top university from in and out China by arranging and holding slap-up conferences on electrical engineering and automation, computer science, information technology, mechanic, materials, manufacturing engineering etc.. It creates and offers opportunities for experts, researchers and scholars from all over the world to present their technological advances and research results.