

# PREFACE

MSME 2018 was held in Paris during November 8-10, 2018. MSME 2018 is organized by the Hong Kong Society of Mechanical Engineers (HKSME) and supported by the Sino-French Association of Sciences and Technologies (AFCST), the Association ASMDO and international partner of publication EDP Sciences. The conference provides a useful and wide platform both for display the latest research and for exchange of research results and thoughts in broad Materials Science and Manufacturing Engineering. The participants of the conference were from almost every part of the world, with background of either academia or industry, even well-known enterprise. The success and prosperity of the conference is reflected high level of the papers received.

The proceedings are a compilation of the accepted papers and represent an interesting outcome of the conference. This book covers 3 chapters: Material Properties & Characterization; Material Design & Modelling; Material Manufacturing & Process.

We would like to acknowledge all of those who supported MSME 2018. Each individual and institutional help were very important for the success of this conference. Especially we would like to thank the organizing committee for their valuable advices in the organization and helpful peer review of the papers.

We sincerely hope that MSME 2018 will be a forum for excellent discussions that will put forward new ideas and promote collaborative researches. We are sure that the proceedings will serve as an important research source of references and the knowledge, which will lead to not only scientific and engineering progress but also other new products and processes.



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