

Preface AMRMT & MSME 2021

2021 6th International Conference on Advanced Materials Research and Manufacturing Technologies and 4th International Conference on Materials Science and Manufacturing Engineering (AMRMT&MSME 2021) are organized by Hong Kong Society of Mechanical Engineers. This conference aims to provide a platform for researchers and engineers to share their ideas, recent developments and successful practices in Materials Science and Manufacturing Engineering.

The entire world is still under the influence of the virulent pandemic COVID-19. Unfortunately, each of us is affected one way or another. AMRMT & MSME 2021 are not an exception. At the end of October, the epidemic situation in some countries and regions became serious. And it is uncertain when the COVID-19 will end. To provide a safe conference environment, AMRMT & MSME 2021, which were planned to be held in Beijing, China from November 5 to 7, 2021, were changed to a virtual event and were held on November 5, 2021 through Tencent VooV software. This approach has been effective to serve the communication needs. Participants of the conference were from many parts of the world, with a background of either academia or industry, even well-known enterprise. The success and prosperity of the conference is reflected by a good 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 2 chapters: Material behaviours during manufacturing; Properties of materials and applications of materials.

We would like to acknowledge all of those who supported AMRMT & MSME 2021. 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 AMRMT & MSME 2021 can be a forum for excellent discussions that can put forward new ideas and promote collaborative research. We are sure that the proceedings can serve as an important research source of references and the knowledge, which can lead to not only scientific and engineering progress but also other new products and processes.

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