

## Preface

The development of materials is at the heart of technological needs and the forefront of technology research. During constantly updated of new materials research, the development of traditional materials has entered a bottleneck period, which should pay more attention to the functionality and innovation.

The proceedings focus on intersecting's disciplinary fields, which has always been a research hot spot, providing the latest research and ideas for academic experts and student research of universities and research institutes.

This proceedings aims to collect latest papers of new materials research achievements involving metallic materials, materials for energy storage and energy conversion, nano functional materials, ceramic-based materials, advanced cementitious materials, pavement materials, concrete materials, etc. The proceedings would appeal to researchers who work on new materials study, readers could find a wide range of topics in the new materials field.

The contribution of every author to this proceedings should be highly appreciated. Moreover, the book could not be successfully published without the hard work of all the editors. Thanks to all the contributors and supporters of this book. Any suggestions or criticism for the shortcomings of this book would be welcomed.

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