

Preface

On the successful basis of WCIM 2013, the 2014 2nd World Congress on Industrial Materials -Applications, Products, and Technologies (WCIM 2014) will be held in Beijing, China, during July 7-8, 2014. The conference is an international forum for the presentation of technological advances and research results in the fields of Industrial Materials -Applications, Products, and Technologies. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. We warmly welcome previous and prospected authors submit your new research papers to WCIM 2014, and share the valuable experiences with the scientist and scholars around the world.

In the past twenty years, Materials-Applications, Products, and Technologies has become involved in many varied applications throughout the world, with multiple products and rapid market services. It has not only provided industries with new methods, new tools and new products from design, material processing to operation and management process, but also is changing the manners, thinking styles and working environments of people in the manufacturing field.

The WCIM 2014 program consisted of invited sessions, technical workshops and discussions with eminent speakers covering a wide range of topics. This rich program provided all attendees with the opportunity to meet and interact with one another.

All the papers in the conference proceedings have been undergone the intensive review process performed by the international technical committee, and only accepted papers are included. This volume comprised the selected papers from the subject areas of Advanced Materials, Material Processing Technology, Designing and Manufacturing Technologies in Mechanical Engineering, Automation and Mechatronics, Building Materials and Construction Technology, Product Design and Agriculture and Food Industry.

We hope that the contents of this volume will prove useful for researchers and practitioners in developing and applying new theories and technologies in Materials-Applications, Products, and Technologies.

Finally we would like to acknowledge and give special appreciation to our keynote speakers for their valuable contribution, our delegates for being with us and sharing their experiences, and our invitees for participating in WCIM 2014. We would also like to extend my appreciation to the steering Committee and the International conference Committee for the devotion of their precious time, advice and hard work to prepare for this Conference.

Dehuai Zeng

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