

# Preface

It is our pleasure to welcome all of you to attend the 2014 International Conference on Materials and Engineering Technology (MET2014) in Chicago, USA. The MET2014 is a forum for presentation of new research results on Material Science, Communication and Information Technology, Mechatronics, Automation and Control Engineering, Power Electronics, Electrical Engineering, Embedded System, Data, Signal and Image Processing, Material and Technologies in Construction Industry and other related Engineering topics. We hope that everyone will enjoy this opportunity to share the state-of-art research results and make some new connections for future collaboration.

The conference program consisted of two invited keynote presentations and 4 invited sessions. The rich program provided all participants to meet and discuss the advances and trends on the related areas. Participants from more than ten countries from all over the world attended this conference. We hope everyone had a good stay in Chicago.

The proceedings tended to collect the latest research results and applications on Material Science, Communication and Information Technology, Mechatronics, Automation and Control Engineering, Power Electronics, Electrical Engineering, Embedded System, Data, Signal and Image Processing, Material and Technologies in Construction Industry and other related Engineering topics. All submitted papers were subjected to strict peer-reviewing by 2-4 expert referees. The papers have been selected for this volume because of quality and the relevance to the conference.

The MET2014 would like to express our sincere appreciations to all authors for their contributions to this book. We would like to extend our thanks to all the referees for their constructive comments on all papers; especially, we would like to thank to organizing committee for their hard working. Finally, we would like to thank Thomas Wohlbier, Anne, Tanja, Dorte and all other editors from Trans Tech Publications for their great support to MET2014. Without their excellent work, MET2014 will not be published so timely and successfully.

Prof. Feng Liu

MET2014 Organizing Committee Chair

## **2014 International Conference on Materials and Engineering Technology (MET2014)**

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