

# PREFACE

Dear Distinguished Delegates and Guests,

The 3rd International Conference on Green Power, Materials and Manufacturing Technology and Applications (GPMMTA2013) was held in Wuhan, China, from December 27-30, 2013, serving as a platform for expertise exchange. GPMMTA2013 had drawn the attention of researchers from various disciplines: Green Power, Materials, Manufacturing Technology, Mechanical Engineering, Electronic Engineering, Automation and Control, etc.

Persons who attended the conference were engineers, scientists, managers of various companies and professors of the universities abroad and home. We have had record number of submission 735 this year. From which 239 papers have been accepted for presentation at the conference and will be published by TTP, in Applied Mechanics and Materials (ISSN: 1660-9336), which is online available in full text via the platform [www.scientific.net](http://www.scientific.net). AMM should be indexed by EI according the previous TTP index results.

We express our special gratitude to all the members of the General Committee Chairs, Program Committee Chairs, Technical Program Committee and Steering Committee who worked so hard to prepare the conference and who supported the conference so professionally.

The 3<sup>rd</sup> International Conference on Green Power, Materials and Manufacturing Technology and Applications (GPMMTA2013) is organized by Yunan University, Electric Power Research Institute of YNPG, Huazhong Agricultural University, Southwest Forestry University, Jinan University, Shanghai Jiao Tong University, Nanyang Technological University, Tsinghua University, Hunan Institute of Engineering, and sponsored by National Natural Science Foundation of China (NSFC), Provincial Natural Science Foundation of Hunan (13JJ9022), Provincial Science & Technology plan project of Hunan(2013GK3029). Their kind support makes GPMMTA2013 become possible. Especially, we should thank the TTP.

Finally, we would like to thanks all the authors, speakers and participants of this conference for taking part in and contributing to the International Conference on Green Power, Materials and Manufacturing Technology and Applications.

We hope you have a unique, rewarding and enjoyable week at GPMMTA2013 in Wuhan.

With our warmest regards,

GPMMTA2013 Organizing Committees  
December 27-30, 2013  
Wuhan, China

# GPMMTA2013 2013

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