

Preface

2014 2nd International Conference on Future Energy & Materials Research (FEMR2014) will be held on December 24-25, 2014, Wuhan, China.

FEMR2014 will be the most comprehensive conference focused on the various aspects of advances in Future Energy & Materials Research. Our conference provides a chance for academic and industry professionals to discuss recent progress in the area of Future Energy & Materials Research.

The goal of this conference is to bring together the researchers from academia and industry as well as participants to share ideas, problems and solutions relating to the multifaceted aspects of Future Energy and Materials Research.

FEMR2014 received significantly attention all over the World. All accepted papers which are of good quality, but also related to the theme of the conference. All accepted papers have been passed the strict peer-review process before publication by TTP Press.

FEMR2014 features unique mixed topics of Polymer materials and composite materials, Metals and alloys, Building Materials, Biochemistry Materials and Engineering, Energy Science and Engineering, Manufacturing Materials and Engineering, Environmental Science and Engineering, Iron and Steel, Composites, Nuclear Energy and Materials, Energy Production from Fossil Fuels, Energy Harvesting Materials, Energy Transmission, Distribution and Storage, Advances in Lighting Materials, Energy-Efficient Buildings, Micro/Nano Materials, Ceramic, Optical/Electronic/Magnetic Materials, New Functional Materials, Building Materials.

We would like to thank the organization staff, the members of the program committees and reviewers. They have worked very hard in reviewing papers and making valuable suggestions for the authors to improve their work. Finally, the conference would not have been a success without the support of the authors. We would like to acknowledge and thank all authors who submitted their research work to the conference, whether the submission made it to the proceedings or not.

Mustafa I. Fadhel and Yijin Wu

FEMR 2014 Organizing Committee

General Chairs

Dehuai Yang, Huazhong University of Science and Technology, China
Minli Dai, Suzhou University, China

Publication Chairs

Mustafa I. Fadhel, Multimedia University, Malaysia
Yijin Wu, Huazhong Normal University, China

International Committee

Ming-Tsung Tsai, Southern Taiwan University of Science and Technology, Taiwan
CHICHERNEA G. FLORIN, Transilvania University of Brasov, Romania
Jung-Guk Kim, Hankuk University of Foreign Studies, Korea
Eui in choi, Hannam university, Korea
Ayyoub Akbari-Moghanjoughi, Universiti Putra Malaysia, Malaysia
Hernan Gonzalez Acuña, Universidad Autonoma de Bucaramanga, Colombia
Fabiane Bordin, University of Vale do Rio dos Sinos, Brazil
Uipil Chong, University of Ulsan, Korea
Grzegorz Sierpinski, Silesian University of Technology, Faculty of Transport
Serap Akdemir, Namik Kemal University, Turkey
J.Manoranjini, Tagore Engg College, Anna University, India
Ana Breda, University of Aveiro, Portugal
Nurdiana binti Samsulrizal, Universiti Teknologi MARA, Malaysia
Radin Yury, All Russia Thermal Engineering Institute, Russia
Yuriy V. Kostyuchenko, Earth of National Academy of sciences of Ukraine, Ukraine
Dwi Agustina, Nanyang Technological University (NTU), Singapore
Carlo Pozzi, Department of Architecture, Pescara, Italy
Nuraini Abdul Aziz, Universiti Putra, Malaysia
Mou'ad A. Tarawneh, National University of Malaysia, Malaysia