

Preface

2013 International Conference on Civil, Materials and Environmental Sciences (CMES 2013) will be held on April 17-18, 2013, Vancouver, Canada.

The proceeding of CMES 2013 include more than 94 excellent papers selected from more than 150 submitted paper(s) whose authors involved at least 11 countries and areas such as Italy, Iran, Australia, China, Turkey, Kuwait, Japan, Korea, Estonia, Algeria, United States

The proceeding of CMES 2013 are divided into four chapters, it include Chapter 1 -- Civil Engineering: this chapter is mainly to research the engineering's application materials, equipment and surveying, design, construction, maintenance and other technical activities, as well as a variety of engineering facilities, such as housing, roads, railways, pipelines, tunnels, bridges, canals, dams, ports, power plants, airports, offshore platforms, water supply and drainage and protective works; Chapter 2 -- Material Engineering and Technology: this chapter focuses on the research, development, production and application of metal materials, inorganic non-metallic materials, polymeric materials and composites; Chapter 3 -- Environmental Sciences and Engineering: this chapter not only to study the measures of prevent environmental pollution and public nuisance, and to study the protection and rational use of natural resources, and to investigate the waste of resources and technology, reform and Production, the development of less harmful or harmless closed production systems, operations research management and regional environmental, to obtain a larger environmental effects and economic benefits. Chapter 4 -- Manufacturing Technology and Engineering: this chapter research the scientific methods of how to Transform the basic disciplines and technical disciplines into professional production technology, engineering and process.

The goal of this conference is to bring together researchers and professionals from a broad set of science and engineering disciplines with the aim of sharing the latest developments and advances in Civil, Material and Environmental Sciences materials, processes and systems involved in the Civil, Material and Environmental Sciences.

Much of the credit of the success of the conference is due to topic coordinators who have devoted their expertise and experience in promoting and in general co-ordination of the activities for the organization and operation of the conference. The coordinators of various session topics have devoted a considerable time and energy in soliciting papers from relevant researchers for presentation at the conference. The Chairs of the different session played important role in conducting the proceedings of the session in a timely and efficient manner and the Committee expresses sincere appreciation for their involvement.

The reviewers of the manuscripts, those by tradition would remain anonymous, have been very helpful in efficiently reviewing the manuscripts, providing valuable comments well within the time allotted to them. The Editors express their sincere and grateful thanks to all reviewers.

The CMES 2013 International Committee is proud to dedicate this conference proceeding to the Wei Lee from Asia Pacific Human- Computer Interaction Research Center, Hong Kong and Min Wu from Nanchang University, China. Selected as our Conference Chairs, They are not only outstanding and visionary researchers but also humble leaders.

Finally, our sincere thanks to the support from technology program committee for designing the conference web page and also spending countless days in preparing the final conference program in time for printing. Many thanks to: CMES 2013 secretary for arranging to type a large number of the invitation letters and for establishing the vast CMES 2013 conference address data base. Sincere thanks to our organization committee for their several months' hard work in sorting out manuscripts from various authors. Also thanks to other staffs assisting in the various stage of the editorial work, especially the international committees of our conference

Jiang Feng and Yijin Wu

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