

Preface

Advanced materials have made progress in research and industry in the last century. In the recent decade, new materials have been extensively employed in various fabrications. The great attention has also been given to application in the fields of energy, environment and medical technology. After the first ICAMEM 2011 in Shenyang, China, the periodical international conference for multiple approaches in Advanced Materials and Engineering Materials in Asia was established by the committee. The ICAMEM was aimed primarily at bringing together engineers, researchers and academics. The third conference ICAMEM 2013 was held on December 14-15, 2013 in Singapore, and consisted of more than 200 contributed papers and two plenary lectures in all fields of advanced materials.

In the third conference, the respective sections of 'Manufacturing Technology and Processing,' 'Mechanical, chemical and thermal properties of polymer and composites,' 'Material Science,' 'Nano-scale analysis of materials, Nano-materials,' 'Material characterization (Metals, alloy and Metal Matrix Composite),' 'Fuel cell, Battery, Solar cell, Semiconductor, Electric element, Left-Handed Materials, LED,' 'Biomaterials, Bio-chemicals,' 'Thin film, DLC coating,' 'Structural materials (steels), Machine elements, Tribology, Non-destructive evaluation,' 'Concrete, Asphalt, Glass,' 'Space technology, Physics, Medical science, Robotics, control system' and 'Material Process Technology, Simulation, Chemical sensor' appeared. The proceeding book records the refereed papers presented at the conference.

The conference ICAMEM2013 has successfully carried out. I would like to thank the organizing committee, BOSI EDU and all the participants of the conference for contributing to a successful and enlightening meeting. Moreover, on behalf of the organizing committee, I would like to especially thank Anne, Tanja, Dorte and all the editors from Trans Tech Publications for their great support to ICAMEM2013.

Katsuyuki Kida
University of Toyama, Japan
Conference Organizing Chair
December 26th, 2013

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