

# Preface

This volume contains papers contributed to the 2012 3rd International Conference on Advances in Materials and Manufacturing (ICAMMP 2012) held on 22-23 December, 2012 in Beihai, China. The International Conference on Advances in Materials and Manufacturing is the premier forum for the presentation of new advances and research results in the field of materials and manufacturing processes. This conference series brings together leading researchers, engineers, and scientists in the materials and processes field through the world. The first ICAMMP was successfully held from November 6-8, 2010 in Shenzhen, and the second ICAMMP was held from December 16 to 18, 2011 in Guilin, China. Delegates from more than 30 countries or districts had attended these conferences.

All papers published in this volume of Advanced Materials Research have been peer reviewed through processes administrated by the organizing committee. Reviews were conducted by expert referees to the processional and scientific standards. Studies presented in this book cover these topics: CAD/CAE/CAM, Products Design and Manufacture, E-manufacturing, Sequencing and Scheduling, Expert Systems and Artificial Intelligence, Intelligent Optimization Design, Mechatronics, Industrial Robotics and Automation, Sensors, Measurement and Detection, Advanced NC Techniques and Equipment, Engineering Education, etc.

We are grateful to all the invited speakers who came to share their knowledge with us. We would also like to thank all the authors for their papers and presentations and all reviewers for their efforts to review the papers.

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