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13th GLOBAL CONGRESS ON MANUFACTURING AND MANAGEMENT

GCMM2016: International Conference Proceedings

Editorial Preface



The papers in this volume were peer-reviewed and selected for presentation at the 13th Global Congress on Manufacturing and Management (GCMM), held November 28-30, 2016 in Zhengzhou, China. A total of 258 papers were presented during the conference, covering the entire spectrum of Manufacturing Engineering, Materials Processing, Big Data, Industrial Engineering and Management.

The 13th edition of the conference has earmarked the objective to offer a common platform for professionals, researchers and educators from industry, research centers and academia to present and discuss recent advances in the field of Manufacturing Engineering.

Papers relevant to the scope of GCMM include the following areas:

- New Challenges in Global Manufacturing
- Planning and Strategy of manufacturing industry
- Manufacturing processes management and its tendency
- the Silk Road Economic Belt and the 21st-Century Maritime Silk Road
- Made in China 2025
- Automotive and aerospace manufacturing
- Internet +
- Smart Manufacturing
- IOT
- Industry 4.0
- Big data for manufacturing transformation
- CAD/CAM
- Computer integrated manufacturing
- Robotics
- 3D Printing and its applications
- · Mechatronics and automation
- Simulation of manufacturing system
- Virtual manufacturing and virtual prototyping
- Materials engineering for new manufacturing
- · Biomedical manufacturing
- Environment manufacturing and innovation
- Flexible Manufacturing system
- · Agile manufacturing system

- Reconfigurable manufacturing system
- Manufacturing and knowledge management
- Manufacturing and service
- Technology acquisition and innovation transfer
- E-commerce in manufacturing
- New paradigms in technology management
- Manufacturing Organization structure
- Training and education on advanced manufacturing system
- Inventory management
- Product design and development

This proceeding contains 258 refereed papers which were presented at the GCMM 2016 conference. All the papers included in this proceedings are reviewed by the experts in double blind peer review process, and finally revised by the authors for the improvement according to referee's reports and advices. Appreciation is forwarded to reviewers who contributed to improve the quality of papers by reviewing the papers, providing constructive critical comments, improvements and corrections to the authors. We also recognize the support of the reviewers, who were in charge of acceptance/rejection process.

We wish to thank the GCMM Board Members for their continuous input in planning and organizing the whole event, Scientific, Program and Organizing Committees, Session Chairs, student helpers and Secretarial/Technical staff, for contributing to the success of this Conference.

Finally, we wish to thank all the authors who submitted papers, making this conference possible, and the authors of accepted papers for making appropriate modifications and corrections with care and patience. It was the quality of their presentations and their passion to communicate with the other participants that really made this conference a grand success

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