

# Preface

We are pleased to present in this Special Volume of Advance Material and Processing Technologies selected papers from the 15th International Conference on Advances in Materials and Processing Technologies (AMPT2012) held in Wollongong, Australia, 23-26 September 2012. This year, the conference program covered over 450 papers in 72 technical sessions and 100 poster presentations. The Conference has been a highlight in the 2012 Calender on Materials and Processing Technologies.

This Special Issue contains 108 papers selected from those presented at the conference that cover a broad range of topics such as computer aided engineering, materials, deformation processing, material removal process, processing of new and advanced materials, welding, precision engineering surface engineering and other related processes. All papers were peer-reviewed and we are very thankful to the numerous reviewers for their effort in reviewing all the manuscripts and selected the quality papers for this special issue.

The organisers would like to thank all local and foreign participants for their participation. We are grateful to all the members of the local Organising Committee, the International Scientific Committee and the International Steering Committee who have provided sound advice and guidance in planning this conference and the special issue.

We extend our gratitude to Prof. Thomas Wohlbier for the opportunity to publish this volume of Materials Science Forum.

## **Guest Editors:**

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