
Editorial

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Biographical notes: Anh Kiet Tieu received his PhD degree from the University of Western Australia. He led the Technical Investigations section at BlueScope Steel for eight years and is now a Professor of Mechanical Engineering at the University of Wollongong. He is a Fellow of the Australian Academy of Technological Sciences and Engineering. He has published more than 512 peer reviewed articles.

Hongtao Zhu obtained his BEng degree in 1993, his MEng degree in 1996 and PhD degree in 2000 from Northeastern University, China. He joined the University of Wollongong in 2003 as a Research Fellow and a Lecturer in 2013. His main interests include tribology and lubrication, plate/strip rolling theory, the pipeline fracture control, numerical modelling, wheel and rail contacts, and battery management systems. He has published 74 refereed journals and 59 conference papers. He has been awarded six competitive research grants from the Australian Research Council (ARC) and the Energy Pipelines Cooperative Research Centre (CRC).

Cheng Lu has worked at the University of Wollongong for ten years and Northeastern University, China for four years since graduating with a PhD degree from the University of the Northeastern, China and now is an Associate Professor of Mechanical Engineering at the University of Wollongong. He currently serves as a Programme Leader in the Cooperative Research Centre for Energy Pipeline.

Qiang Zhu obtained his BEng and MEng degrees in 2005 from Northeastern University, China and PhD degree in 2012 from the University of Wollongong, Australia. His major research interests include high temperature oxidation of metals, wear of materials and tribology, and nano-indentation technology. He has published over 30 refereed papers in journals and conferences. He has participated in three Australian Research Council Discovery Projects (ARC DP) and two industrial projects as a main Researcher since 2008.

We are pleased to present this special issue of *International Journal of Surface Science and Engineering* containing 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 programme covered over

450 papers in 72 technical sessions and 100 poster presentations with a broad range of topics such as materials, deformation processing, materials removal process, processing of new and advanced materials, welding and joining, surface engineering and other related processes.

This special issue of *IJSurfSE* contains 14 papers covered different tribological aspects in material processing such as surface coating, milling, rolling and lubricant in metal forming. 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 the special issue.

The organisers would like to thank all the members of the local Organising Committee and the International Steering Committee who have provided sound advice and guidance in planning this special issue. We extend our gratitude to Prof. Paulo Davim, the Chief Editor of *IJSurfSE* for the opportunity to publish this special issue.