## **Editorial**

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Advanced surface engineering has been widely applied in different industrial sectors. Recent developments in surface integrity, surface treatment or modification, micro/nano-structure fabrication, surface grinding and polishing, metrology on micro/nano patterns, thin film deposition or coating, and analysis of advanced machining are highly related to the manufacturing processes. This special issue provides a forum for scholars, researchers and engineers to present recent researches exploring the challenges and/or surmounting difficulties in advanced surface engineering in manufacturing processes.

The issue carries revised and substantially extended versions of selected papers presented at the 16th International Conference on Advances in Materials and Processing Technologies (AMPT 2013), and also some articles submitted by researchers who were unable to participate in the conference.