
Introduction

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Biographical notes: Yang Ping is currently a Professor in Jiangsu University in China, also is currently an editorial member of *International Journal of Materials and Product Technology*, Associate Editor of *International Journal of Materials and Structural Integrity*, a Director of China Precision Machine Society and a senior member of Chinese Institute of Electronics. He received his PhD in Mechanical Engineering from Huazhong University of Science and Technology (HUST) in 2001. He engaged in sciences research in Concordia University. His research interests focus on the theoretical aspect and CAD of mechanical system for the purposes of design and control.

Research papers are invited for the *IJMTM* forthcoming special issue on *Advanced Design, Manufacturing for Product Engineering*. The purpose of this special issue is to publish recent research outputs on product engineering employing advanced design theory, manufacturing technologies. By advanced concept, we mean non-conventional techniques. In last few decades, both academic literature and practice have put growing emphasis on the importance of advanced design, manufacturing as a key factor in establishing durable competitive advantages in product engineering. The objective of the special issue is to provide a means for the publication and interchange of information, on an international basis, on all aspects of *Advanced Design, Manufacturing for Product Engineering*.

This special issue includes the contents about tooling design and development of set up for hydro-mechanical deep drawing, formal support for FMEA using polychromatic sets, conceptual design system of epicyclic gear mechanism based on digital manufacturing, design of precision recycle system of colour filter for TFT-LCD, hybrid approach on isomorphism identification in mechanism design based on intelligent manufacturing, numerical approach on stress and strain for chip scale package under thermal cycling, process control for aerospace chemical milling process, simultaneous optimisation of conflicting responses for CNC turned parts using desirability function, finite element analysis on stress/strain in CBGA solder joint with different substrates under thermal cycle, evaluation of the performance of bearing materials using distance-based fuzzy multi-criteria decision-making process etc.

The aim of this special edition of *International Journal of Manufacturing Technology and Management* is to describe the actual state of art in the product engineering, as well as the recently developed new progressive design and manufacturing technologies.

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