

# PREFACE

Manufacturing would be considered as the most wide, interdisciplinary and controversial field of Engineering. And all this, starting from its own definition, which cannot be found in the same way in a lot of dictionaries, and ending with the domains which can be considered part of this field.

This Volume of Materials Science Forum titled *Advances in Materials Processing Technologies* reports the latest developments and original applications, theoretical researches and case studies in one of the most relevant fields in manufacturing engineering: Materials Processing. The papers included in this issue have been selected from those presented to the Materials Processing Symposium of the First Manufacturing Engineering Society International Conference (MESIC), hold in Calatayud (Spain) in September 2005. Additionally, in this Volume, a few of special contributions to the optimisation of Materials Processing presented at other Symposia in the 1<sup>st</sup> MESIC have been also taken into consideration.

We hope that all the papers here published can favour the future development of Manufacturing, *the Engine of the Engineering*.

Mariano Marcos  
Lorenzo Sevilla  
(Editors)