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## **Editorial**

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The emerging nanomanufacturing and nanotechnology have a great impact on our society in various areas of daily life, including healthcare, technology advance and environment, etc. They are currently one of the science and technology frontiers and are one of the most active areas. Thousands of scientists and engineers are working hard to exploit new technologies and applications day and night around the world, where significant progress is made on daily basis. The 2nd International Conference on Nanomanufacturing (nanoMan2010) was held during the 24th to 26th of September 2010 in Tianjin, China which provided an opportunity and platform for delegates to present their latest discoveries, achievements and development. The conference brought around 230 delegates from all over the world together to exchange information and ideas. The conference attracted great interest in nanomanufacturing and nanotechnology of nanomachining by laser and focused ion beam fabrication, nanometric accuracy machining, nano/micro-moulding/imprinting, nanomaterial synthesis and characterisation, nanometrology and nano/microsystems fabrication and characterisation. There was great interest shown in the applications of nanomanufacturing and nanotechnologies in traditional areas such as ultra-precision and freeform machining with nano-scale precision and smoothness, nanomanufacturing of precision devices and equipment for space exploration, biological and medical applications. This and the following special issues were devoted to nanoMan2010 with a collection of ~20 papers each presented at the conference, covering all the main topics of nanomanufacturing technology and nanocharacterisation.

### **Acknowledgements**

These papers have been upgraded by the authors with new results and discoveries since the preparation of the conference manuscripts. The editors would like to take this opportunity to thank all the delegates who attended the conference and helped to make it successful, and to the authors of the papers who contributed to this special issue. Thanks also go to the conference committee for their efforts and devotion to the conference. The editors would like to express sincere thanks to the members of the editorial board of *International Journal of Nanomanufacturing (IJNM)* and the production team for their support to make these two special issues. The conference was held successfully, and the 3rd International Conference on Nanomanufacturing (nanoMan2012) will be held in Wako, Japan in 25–27 July 2012. On behalf of the committee, the editors would like to take this opportunity to welcome everybody to nanoMan2012. The conference information can be found from the website <http://www.isnm.org>.