Artificial Intelligence in Manufacturing and Robotics

The success of Computer-Aided Engineering (CAE) technology in industry can be measured by the growing number of practical applications, the number of new releases of hardware and software products, and the number of publications focusing on the integration of CAE techniques. The set of articles presented in this special issue originated from the *5th International Symposium on Artificial Intelligence* held in Cancun, Mexico, December 7–11, 1992. Eighty papers were submitted from 21 countries for possible presentation. Out of these, 45 papers were accepted for presentation at the symposium and publication in the proceedings of the symposium. On the basis of originality and innovation, authors of 20 papers were invited to submit extended papers for possible publication in this special issue. Based on peer reviewing of the extended manuscripts, six papers were finally selected for inclusion in this special issue. The papers cover both the practical and theoretical aspects of AI applications in manufacturing and robotics and as such should be of great interest to *ICAE* readers throughout the world.

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Guest Editor