
Editorial

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Biographical notes: Lean Yu received his PhD from the Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS). He is currently an Associate Professor of the Academy of Mathematics and Systems Science of CAS. He has published four monographs (two of which are published by Springer) and 40+ high quality papers in some top journals including the *IEEE Transactions on Evolutionary Computation* and *IEEE Transactions on Knowledge and Data Engineering*. He was also appointed as the Managing Editor or Editorial Member of some international journals. His research interests include computational intelligence, machine learning and decision support systems.

Intelligent engineering informatics is an emerging and promising science that supports engineering management activities using intelligent information processing and knowledge reasoning techniques. It is a typical interdisciplinary research on artificial intelligence, cognitive science, knowledge engineering, information technology, and engineering management. Because modern engineering system design and management involved more and more complexity, some new challenges in complex systems modelling and engineering management design are arising.

In the context of new challenges, the *International Journal of Intelligent Engineering Informatics (IJIEI)* intends to publish original and unpublished work that describes current research, covering all aspects of intelligent engineering informatics, with emphasis on 'intelligence' and 'knowledge' as well as 'engineering applications'. The main objective of this journal is to foster a new discipline called Intelligent Engineering Informatics and to establish an effective discussion platform between academic and research institutions, engineering management agencies, and individuals concerned with intelligent informatics and its engineering applications. At the same time, it is also expected to promote the developments in the field of intelligent informatics, knowledge sciences and engineering management sciences. The journal is likely to help shape some future research direction and to help industrial professionals apply various advanced intelligent solutions to engineering applications.

IJIEI publishes two types of articles: regular papers and short papers. Special issues devoted to important topics in Intelligent Engineering Informatics will occasionally be published. Usually, regular papers describe recent fundamental contributions in the field of intelligent engineering informatics and applications. Short papers are meant for rapid publication and transmission of special short communications. Each manuscript will be thoroughly reviewed by at least two independent reviewers.

I would like to take this opportunity to thank all the people who have helped in launching this new journal. I would like to express my gratitude to the Managing Editor-in-Chief, Prof. Nickolas S. Sapidis, for the excellent work during the past one year. I am also grateful to all our Associate Editor-in-Chief, and Editorial Board Members who have provided significant support and advice, and look forward to their continued support in the future. All of them are established researchers in their respective fields and I am sure that their international reputation and great expertise in the field of intelligent engineering informatics will play a significant role in evolution of *IJIEI* as a reputed international journal. *IJIEI* intends to rely heavily on their expertise for selecting the best papers for publication. I am honoured and fortunate to work with a strong technical editorial board.

My special thanks go to all the authors who have contributed papers to the inaugural issue of *IJIEI*. We hope the *IJIEI* can become an important forum for the intelligent informatics community and a major media for presenting original research ideas. Like the field, the journal is multidisciplinary and multi-specialty. So we encourage researchers from all disciplines and specialties to submit their papers, and short communications as well as reviews, to the editor.

And the last, but not the least, we would like to express our heartiest gratitude to all staff members of the Inderscience Publishers for the excellent publishing services being provided by them. Without their support and help, this journal could not have taken shape and can not grow.