Editorial

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Information and engineering is a hot topic in science and technology research nowadays in the world. Due to the presence of inherent complexity and uncertainty in processing information, there exist a great number of phenomena with uncertainty, vagrancy and fuzziness, which classical mathematical theories, models and approaches are proved to be inadequate for adequately tackling. Fuzzy sets theory, initiated in 1965 by Professor Lotfi A. Zadeh at the University of California at Berkeley, is proved to be an effective means for appropriately dealing with problems of the inborn complexity, uncertainty and fuzziness in reality. No efforts have been spared to develop the theory since then with significant advances made in the development of various concepts, models and methods to it and their applications in solving variety of complex problems. Up to now, fuzzy mathematics itself in axiomatic basis-mathematics intermediary systems-is being established, testified and perfected in practice. Furthermore, the theory is confirmed to be a powerful solution effective to the innate fuzziness and uncertainty in various existing problems. In particular, the theory justifies great potential in fields where traditional mathematics may be powerless to deal with fuzzy cases. Now the academic journal entitled “*Fuzzy Information and Engineering - an International Journal*” is published. It aims to explore the potential of the theory by seeking effective means for efficient processing information with uncertainty and fuzziness in engineering and to report successful applications of the theory in engineering. By doing so, we hope earnestly that we as a whole can contribute to the continuous development of the theory while making practical inputs into effective solutions to a variety of existing problems in information and engineering. This professional academic journal, jointly sponsored by the Fuzzy Information and Engineering Association, a branch of the Chinese Operations Research Association, and Springer, intends to publish high quality research papers in applying fuzzy mathematics as well as fuzzy mathematics applied in cross-borderline disciplines, and to motivate researchers, enthusiastic and persistent, to develop and use resources in fuzzy information and engineering. The overall publishing policy purposes to adhere to the combination of fuzzy mathematical theories and its applications, focusing on fuzzy theory application in design and development of fuzzy products. Its readers involve the graduate students and the researchers engaged in the theory and its applications in it. As Honorary Chief-Editor and Chief-Editor, we wish all supports coming from

researchers and persons else who are welcome to submit at anytime to our website
<http://www.springer.com/12543>

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We also hope that, from the bottom of our heart, this journal can make substantial contributions to continuous development of the theory and its applications in information and engineering in the coming days.

Honorary Chief-Editor

Lotfi A. Zadeh

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