

SPECIAL ISSUE ON RECENT ADVANCES IN SOFT COMPUTING AND SENSORS FOR INDUSTRIAL APPLICATIONS

PREFACE



Artificial intelligence (AI) and sensors give computers the ability to see what is happening in the world around them. This special issue (SI) of *Sensors and Materials* is entitled “Recent Advances in Soft Computing and Sensors for Industrial Applications”. It focuses on the use of state-of-the-art soft computing (SC) and sensors to create opportunities to improve consumer electronics services. In recent years, developments have led to the widespread use of SC in industry. SC is a field of computer science that resembles the processes of the human brain and takes an integrated view of computing to solve real-life problems. It is a collection of methodologies that investigate, simulate, and analyze very complex issues and phenomena. At the same time, a great number of systems, algorithms, mechanisms, and methodologies have been proposed for sensor information fusion. However, more SC- and learning-based fusion techniques, system architectures, data analyses, message control algorithms, and so forth, are still required for sensor networks and information fusion. The goal of this SI is to highlight state-of-the-art works on the use of SC for industrial applications. It also covers multimedia systems and their applications to bring together researchers, engineers, and practitioners involved in information systems and applications in the context of SC. This SI presents eight excellent papers received in response to our open call for papers related to SC and sensors for industrial applications. We organize the presentation of technological advances and research results in the fields of digital application in industry. The eight papers published in this SI provide high-quality research results in the SC and sensors in industry areas for S&M readers.

I would like to thank the authors for their contributions and all the reviewers for their constructive comments. I am also grateful to the editorial assistant, Ms. Misako Sakano, and the Editor-in-Chief, Prof. Makoto Ishida, for their generous support in the publication of this SI.

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