

Editorial

THIS FIRST issue of 2014 sees the consolidation of the production process for our journal: the backlog of papers begins to decrease significantly, and we are going to have the appropriate space for the special issues. I would like to express my deepest gratitude to the Co-Editors-in-Chief, the Associate Editors, and the reviewers who are doing an extraordinary effort to complete the review process of the backlog and keep the pace with the increasing number of submissions. These efforts will significantly help in better serving our community by providing timely high-quality knowledge.

The first part of this current issue collects some papers in the area of complex system engineering and systems-of-systems engineering. Papers address various topics encompassing theory, technologies, design methodologies, and applications.

The second part consists of the special issue on “Sensor Networks for Advanced Localization Systems,” whose guest editors are Hsiao-Chun Wu, Dah-Chung Chang, Dimitrios G. Stratiogiannis, and Kung Yao.

The third part consists of the special issue on “Advances in Cloud-based Multimedia Systems,” whose guest editors are Han-Chieh Chao, Victor C.M. Leung, Sherali Zeadally, and Jong-Hyouk Lee.

I would like to thank all guest editors for having contributed to our journal with these attractive issues.

In order to accommodate the possible needs of authors for open access to their publications, it is worth noting that this opportunity has been recently made available to authors. The journal has in fact become a hybrid journal. All papers are reviewed with the same quality review process. Authors of accepted papers can then opt for publishing either in the reader-pay mode without charges for authors (up to the allowed limit) or in the open-access mode without charges for the reader and a fee paid by authors.

If you have any comment, suggestion, recommendation, or criticism, please do not hesitate to contact me. Everyone can help in continuously improving our journal. We aim to continue to have a live publication for our live community.

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Vincenzo Piuri (S’84–M’86–SM’96–F’01) received the Ph.D. degree in computer engineering from the Politecnico di Milano, Milan, Italy, in 1989.

He was an Associate Professor with the Politecnico di Milano and a Visiting Professor with The University of Texas at Austin, Austin, TX, USA, and with George Mason University, Fairfax, VA, USA. Since 2000, he has been a Full Professor in computer engineering with the Università degli Studi di Milano, Crema, where he was the Director of the Department of Information Technology in 2007–2012. His original results have been published in more than 350 papers in international journals, proceedings of international conferences, books, and book chapters. His current research interests include theory and industrial applications of neural networks, machine learning, signal and image processing, pattern analysis and recognition, biometrics, intelligent measurement systems, industrial applications, fault tolerance, digital processing architectures, embedded systems, and arithmetic architectures.

Prof. Piuri is a Distinguished Scientist of the Association for Computing Machinery and a Senior Member of the International Neural Network Society. He is a member of the IEEE Publication Services and Products Board (2013–2015). He was the IEEE Director and IEEE Delegate for Division X (2010–2012), the President of the IEEE Computational Intelligence Society (2006–2007), the Vice-President for Publications of the IEEE Instrumentation and Measurement Society (2002–2004) and the IEEE Systems Council (2008–2011), the Vice-President for Membership of the IEEE Computational Intelligence Society (2003–2004), and the Vice-President for Education of the IEEE Biometrics Council (2008–2009). He is the Editor-in-Chief of the *IEEE Systems Journal* (2013–2015). He was an Associate Editor of the *IEEE Computational Intelligence Magazine* (2010–2012), the IEEE TRANSACTIONS ON NEURAL NETWORKS (2001–2004), the IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT (1997–2002), and various other international journals. He was the recipient of the IEEE Instrumentation and Measurement Society Technical Award (2002) for the contributions to the advancement of theory and practice of computational intelligence in measurement systems and industrial applications, the IEEE Instrumentation and Measurement Society Distinguished Service Award (2008), and the IEEE Computational Intelligence Society Meritorious Service Award (2009).