

Editorial: Introducing TBME Letters Special Section on Multiscale Biomedical Signal and Image Modeling and Analysis

WE are very pleased to introduce this special section of TBME LETTERS ON MULTISCALE BIOMEDICAL SIGNAL AND IMAGE MODELING AND ANALYSIS as an extension of our previous special issue of Multiscale Modeling and Analysis in Computational Biology and Medicine. Considering the significance of research interests in multiresolution signal- and image-processing approaches contributing to multiscale modeling and analysis applications, we decided to publish this special section.

TBME LETTERS publication is aimed at fast publication of breakthrough research at the leading edge of rapidly emerging technologies. TBME LETTERS are short papers (up to four printed pages) that are well focused on highly novel and time sensitive scientific and technological advances that have high potential impact in biomedical applications and health care. Our intent is to highlight ideas that have just progressed so as to have shown strong preliminary evidence of feasibility but likely before the lengthier validation studies have been performed.

Recent special issues of TBME Letters include TBME LETTERS ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS published in September 2009, TBME LETTERS ON NEUROENGINEERING AND NEUROPROSTHESES published in November 2009, TBME LETTERS ON THERAPEUTIC ULTRASOUND published in January 2010, TBME LETTERS ON MULTIPARAMETER OPTICAL IMAGING AND IMAGE ANALYSIS published in October 2010, TBME LETTERS ON POINT OF CARE HEALTH CARE TECHNOLOGIES published in March 2011, and TBME LETTERS ON

MULTISCALE MODELING AND ANALYSIS IN COMPUTATIONAL BIOLOGY AND MEDICINE published in two parts in October 2011 and December 2011.

We solicit your novel Letters contributions in the wide spectrum of biomedical engineering or on special topics such as the ones published in recent and forthcoming issues.

We are grateful to Dr. B. He and Dr. J. Principe who initiated this innovative publication concept, and Dr. B. He, Dr. Z.-P. Liang, Dr. A. Laine, and IEEE EMBS Publication Committee for their continuous support and encouragement. Special thanks to our Guest Editors, Dr. S. Cerutti, Dr. A. Madabhushi, Dr. S. Shah, and Dr. K. Chon, for their vision and great efforts to bring out this special issue. We also express our deep gratitude to all authors for their contributions and all reviewers for their outstanding reviews. This issue would not have been possible to publish without their fast, fair, and rigorous reviewing and editing.

We hope that you enjoy this special issue. As we are developing new directions for the TBME LETTERS publication, we will greatly appreciate your suggestions, comments, and ideas to help make Letters into the platform of choice for publication innovative manuscripts with high potential impact.

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