

Inaugural Issue of International Journal of Applied Biomedical Engineering: Editorial Message

WELCOME to the inaugural issue of the International Journal of Applied Biomedical Engineering (IJABME). The IJABME is an international journal and the official publication of the Thai Biomedical Engineering Research Association, and is dedicated to publishing research covering a wide spectrum of applications in the emerging field of biomedical engineering. Biomedical engineering is a multi-disciplinary field that is helping to advance fundamental concepts, create new knowledge, provide a more comprehensive understanding of complex living systems, and develop innovative devices, tools and techniques for the prevention, diagnosis and treatment of disease, for rehabilitation, and for improving health and quality of life.

The major goal of the IJABME is to provide an effective communication channel for researchers concerned with all aspects of biomedical engineering. It is focused on bridging the gap between clinical medicine and applied medical science and technology. In keeping with our mission to provide a forum for papers aimed at solving problems in the biological and medical sciences, the inaugural issue includes papers covering various application areas and topics including: biomechanics, medical modeling, computation and simulation, medical imaging, physiological signal processing, and medical

device development and implementation. In this issue, a number of papers were obtained from the keynote presentations, and from selected oral and poster presentations presented at the First Symposium on Thai Biomedical Engineering (ThaiBME 2007), held on December 18-19, 2007 at Rangsit University, Bangkok, Thailand. In addition, a number of papers in this issue were accepted through the regular peer-review process.

It is an honor to serve as a guest editor of the inaugural issue of the IJABME. I appreciate the contributions of the authors, and would also like to thank the Editor-in-Chief, the editorial board, and the staff of the IJABME for all their support.

Finally, a call to our readership: the success of the IJABME depends on you. We encourage you to submit your valuable work for possible publication in the journal. Also, we always need your ideas to help improve the IJABME and make it a journal that meets your needs. I look forward to a distinguished future for the IJABME. There is every reason to expect that the IJABME will be an eminent resource for biomedical engineering, significantly advancing research and applications in biomedical engineering and solving problems in the biological and medical sciences.

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Suparek Janjarasjitt received his M.S. in 2002 and Ph.D. in 2006 in Systems and Control Engineering from Case Western Reserve University, Cleveland, OH, U.S.A. He has been a faculty member of the Department of Electrical and Electronic Engineering, Ubonratchathani University, Thailand since he received his B.Eng. (Hons.) in Electrical Engineering in 1998. Also, he currently holds an adjunct assistant professor position at the Department of Electrical Engineering and Computer Sciences, Case Western Reserve University, Cleveland, OH, U.S.A.

His research interests include the development of advanced computational tools and techniques, and the use of complex systems analysis techniques in various applications including biology and medicine, for a deeper understanding of the characteristics and behaviors of underlying biological and physiological systems corresponding to different states or conditions, namely health and disease.