

## **EDITORIAL**

### **Special Issue: Biomedical Information and Engineering**

The great success of modern medicine has taken advantage of the applications of computer technologies. It is imaginable without computer applications. The applications of computer cover almost biomedical areas, especially in the areas of biomedical information processing and biomedical engineering. And the studies in the field of biomedical information and engineering are increasingly getting more and more attention. This special issue is devoted to the computer applications in the biomedical information processing and engineering. Areas and topics of interest for this special issue include biomedical imaging and signal processing, biomedical system modeling and sensory motor control and learning.

The first paper authored by M. C. Deng etc. presents a recursive filter design for the movement of time varying human multijoint arm viscoelasticity and illustrates the efficacy of the proposed method via simulations.

The second paper authored by P. Zhou etc. discusses the feasibility of decomposing surface electromyogram signals into their constituent motor unit action potential trains using independent component analysis.

The third paper by P.-J. Cao and K. K. Shung presents an algorithm for the accurate measurement of corneal thickness using ultrasound signal.

The last paper by D.H. Sha etc. presents the minimum jerk movement of human arm. It might help us to better understand how central nerve system learn and control the movement when interacting with outside environments.

Sincerely,

Guest Editor,

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