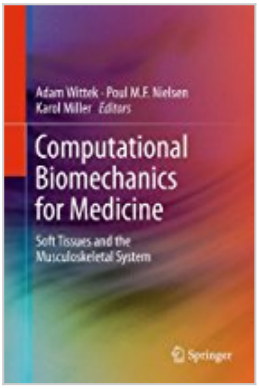

Computational Biomechanics for Medicine: Soft Tissues and the Musculoskeletal System

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One of the greatest challenges for mechanists is to extend the success of computational mechanics to fields outside traditional engineering, in particular to biology, biomedical sciences, and medicine. The proposed workshop will provide an opportunity for computational biomechanics specialists to present and exchange opinions on the opportunities of applying their techniques to computer-integrated medicine.

These are peer-reviewed proceedings of the workshop affiliated to a major international research conference (Medical Image Computing and Computer Assisted Intervention MICCAI 2010 in Beijing) dedicated to research in the field of medical image computing and computer assisted medical interventions.

The list of subjects covered include: medical image analysis, image-guided surgery, surgical simulation, surgical intervention planning, disease prognosis and diagnostics, injury mechanism analysis, implant and prostheses design, medical robotics.

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Editorial Review

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About the Author

Adam Wittek,

The University of Western Australia, Intelligent Systems for Medicine Laboratory

http://www.uwa.edu.au/people/Adam.Wittek

Selected Awards

2002: Ralph H. Isbrandt Automotive Safety Engineering Award (together with Y. Matsui of JARI, A. Konosu of JARI, and M. Tanahashi of Honda R&D). This award annually recognises individuals for their outstanding contribution to Society of Automotive Engineers literature which advances the field of automotive safety engineering.

Poul M.F. Nielsen

Associate Professor, U of Auckland

http://www.abi.auckland.ac.nz/uoa/poul-nielsen

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