6th International Conference on Computational and Mathematical Biomedical Engineering

June 10-12, 2019

Tohoku University, Japan

Sakura Hall

Katahira 2-1-1, Aoba-ku, Sendai, Miyagi, Japan

Compt & Math Biomed Eng

Sendai

Tokyo

Opening Lecture
Roger Kamm MIT, USA

Plenary Lectures
Shinya Goto Tokai University, Japan
Mark Chaplain University of St Andrews, UK

Keynote Lectures
Rajat Mittal John Hopkins University, USA
Liesbet Geris University of Leuven, Belgium
João Tavares University of Porto, Portugal
Irene Vignon-Clementel INRIA, France
Anne Robertson University of Pittsburgh, USA
Kimiko Yamamoto The University of Tokyo, Japan

Publication

Accepted papers will be published in the CMBE Proceedings series in print (ISSN 22273085) and in online (ISSN 22279385) format. Authors will be invited to submit full length papers to a special issues of the Wiley journal 'International Journal for Numerical Methods in Biomedical Engineering'.

CMBE Topic

Cardiovascular problems, cardiac electromechanics
Complex biological phenomena, blood rheology, etc.
Multiscale/multiphysics biomedical/biological modelling
Biofluid mechanics, biomechanics
Soft tissue, constitutive modelling
Mechanobiology
Respiratory systems
Predictive modelling, computational surgery
Numerical methods, high performance computing applied to biomedical
Computational modelling and systems biology
Imaging and image processing (medical image segmentation, registration, etc.)
Inverse problems, uncertainty quantification in biomedical problems
Biomedical/cardiovascular devices, orthopaedic prosthesis design/modelling
Biological heat and mass transfer
Analytical/fundamental approaches
Biology and its links to diseases
Modeling in oncology
Experimental validation
Clinical relevance, translational issues

Important Date

Call for Mini-symposium
    Sumbission Deadline: 1 September, 2018
Four pages abstract
    Submission Deadline: 1 February, 2019
    Camera-ready abstract: 1 April, 2019

Registration
    Early-bird Deadline: 12 April, 2019
    Final Deadline (Attendance only): 1 June, 2019