

## Announcement

# The journal *Communications in Numerical Methods in Engineering with Biomedical Applications* becomes the *International Journal for Numerical Methods in Biomedical Engineering* (IJNMBE) from 1st January 2010

### SUMMARY

*Communications in Numerical Methods in Engineering*, founded by Roland W. Lewis in 1985, will change its title to the '*International Journal for Numerical Methods in Biomedical Engineering*' and has a revised Aims and Scope. Copyright © 2009 John Wiley & Sons, Ltd.

**KEY WORDS:** Biomedical Engineering; patient-specific modelling; biofluid mechanics; biosolid mechanics; tissue engineering; cardiovascular mechanics; respiratory mechanics; tumour modelling; medical imaging; image processing; visualization; meshing; numerical modelling of organs; drug delivery; surgical simulation; micro- and nano-mechanics; multiscale problems; human body electromagnetics; molecular biology; medical device design; health-care models; numerical methods; biomedical problems

Following recent changes to the Aims and Scope and increasing number of submissions in the field of Biomedical Engineering, the journal will be known as the '*International Journal for Numerical Methods in Biomedical Engineering*', from 1st January 2010.

### *Editors*

Perumal Nithiarasu, Swansea University, U.K.

Rainald Löhner, George Mason University, U.S.A.

The Aims and Scope has been revised accordingly and is effective immediately:

*International Journal for Numerical Methods in Biomedical Engineering* is an international journal that publishes both full length and short refereed papers describing significant developments in numerical methods and their application to biomedical engineering problems.

Contributions are encouraged in all areas of biomedical engineering, such as patient-specific modelling, biofluid and biosolid mechanics, tissue engineering, cardiovascular and respiratory mechanics, tumour modelling, medical imaging and image processing, visualization, meshing, numerical modelling of organs, drug delivery, surgical simulation, micro- and nano-mechanics, multiscale problems, human body electromagnetics, molecular biology, medical device design, health-care models and numerical methods specially designed for biomedical problems.

Authors are reminded that application of a standard numerical procedure to a standard problem is not within the scope of this journal. Manuscripts that present solutions to realistic and new biomedical problems using standard numerical procedures should provide evidence of mesh convergence.

*Reasons to submit your paper to IJNMBE:*

- Devoted to publishing articles of high quality in the hot area of computational biomedical engineering.
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