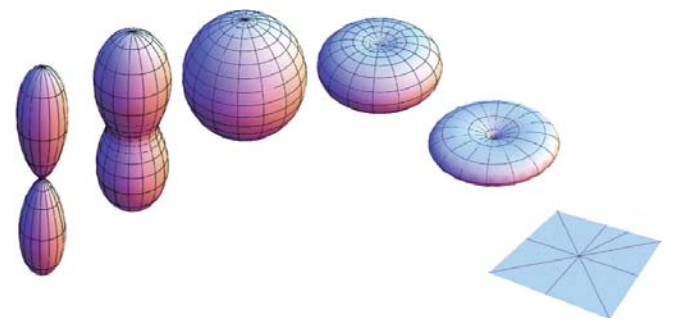


Spring Workshop on Nonlinear Mechanics



April 4-8, 2011

Venue: Xi'an Jiaotong University

This Spring Workshop is targeted at post-graduate students and young researchers, aiming to provide training in mathematical modelling and computational methods that are widely used in nonlinear mechanics, with a focus on biomechanics.

Speakers include:

R.W. Ogden, FRS (University of Aberdeen, UK)
T.J. Pedley, FRS (University of Cambridge, UK)
T.J. Wang (Xi'an Jiaotong University, China)
Y.M. Li (Xi'an Jiaotong University, China)
Y.B. Fu (Keele University, UK)
P. Nithiarasu (University of Swansea, UK)
B.E. Griffith (New York University, USA)
Z.S. Liu (A*star Institute of High Performance Computing, Singapore)
N.A. Hill (University of Glasgow, UK)
X.Y. Luo (University of Glasgow, UK)

Organizing Committee:

T.J. Wang, Xi'an Jiaotong University, China
Y. M. Li, Xi'an Jiaotong University, China
X.Y. Luo, University of Glasgow, UK
N. A. Hill, University of Glasgow, UK



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Preliminary Program:

Day 1

am: Prof. R. W. Ogden, title: Constitutive modelling of arteries

pm: Prof. P.Nithiarasu, title: One dimensional and subject-specific modelling in Biomechanics

Day 2

am: Prof. N. A. Hill, title: Pulse propagation in the pulmonary and systemic arteries

pm: Prof. Y.B. Fu, title: Bifurcation and stability in bio-mechanical systems

Day 3

am: Prof. B. E. Griffith, title: Immersed boundary methods for simulating fluid-structure interactions

pm: Prof. X. Y. Luo, title: Modelling collapsible flows: from 0-D to 3-D

Day 4

am: Prof. T. J. Wang, title: TBA

pm1: Prof. Z.S. Liu, title: Using polymeric membrane gel theory to explain plant phyllotaxis

pm2: Prof. Y.M. Li, title: TBA

Day 5

am: Prof. T. J. Pedley, title: Bioconvective pattern formation in suspensions of swimming micro-organisms

pm. free time/sightseeing