1st Australasian Conference on Computational Mechanics (ACCM 2013)

Oct 3-4 2013
Sydney, Australia

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☐ Advanced computational cardiovascular modelling
☐ Advanced developments on finite element and meshless technologies
☐ Advanced gridding and discretization techniques for petroleum reservoir simulation
☐ Advanced materials: computational analysis of properties and performance
☐ Advanced numerical methods for fluid structure interaction
☐ Advances in boundary element methods and mesh reducing techniques
☐ Advances in discontinuous galerkin method
☐ Advances in membrane structures computations
☐ Bio- and nano-mechanics and materials with applications
☐ Computational aspects in damage and failure mechanics
☐ Computational aspects of smart structures and materials
☐ Computational bioengineering and biomedicine
☐ Computational bioimaging and visualization
☐ Computational biomechanics
☐ Computational contact mechanics
☐ Computational geomechanics
☐ Computational mechanics of composite materials
☐ Computational modelling and simulation in dentistry
☐ Generalised continuum, higher-order homogenization and multiscale methods
☐ Generalised/extended FEM and other enriched partition of unity based methods
☐ Inverse problems, design and optimization
☐ Multidisciplinary design optimization in computational mechanics
☐ Multi-scale computational modelling
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[   ]

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Affiliations

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