Computational Biomechanics for Medicine 6, MICCAI 2011 workshop programme

Time	Type	Speaker	Affiliation	Title
8:45	**Welcome**	Poul Nielsen, Adam Wittek, and Karol Miller		
9:00	**Keynote**	Andrew McCulloch	*University of California San Diego*	Multi-scale modeling and imaging of the failing heart: from mouse to human
10:00	**Podium**	Steven Niederer	*King's College London*	The dependence of clinical metrics of cardiac function on lead position in cardiac resynchronization therapy- a biophysical modeling study
10:30	**Break**			
10:45	**Podium**	Johnny Zhang	*University of Western Australia*	Neuroimage as a biomechanical model. Towards new computational biomechanics of the brain
11:15	**Podium**	Thiranja Babarenda Gamage	*University of Auckland*	Modelling prone to supine breast deformation under gravity loading using heterogeneous finite element models
11:45	**Podium**	Stefan Suwelack		Quadratic corotated finite elements for real-time soft tissue registration
12:15	**Lunch**			
13:00	**Posters**	Sudhakar Tummala	*University of Copenhagen*	Automatic quantification of congruity from knee MRI
		Xiani Yan	*University of Auckland*	Effects of levator ani muscle morphology on the mechanics of vaginal childbirth
		Ivan Kolesov	*Georgia Institute of Technology*	Human supervisory control framework for interactive medical image segmentation
		Grand Roman Joldes	*University of Western Australia*	Performing brain image warping using the deformation field predicted by a biomechanical model
13:45	**Keynote**	Juan Cebral	*George Mason University*	Image-based CFD modeling of cerebral aneurysms
14:45	**Podium**	Kristóf Ralovich	*Technical University of Munich*	Computational fluid dynamics framework for large-scale simulation in pediatric cardiology
15:15	**Break**			
15:30	**Podium**	Harvey Ho	*University of Auckland*	Toward computer modelling of blood flow in an anatomically accurate arterial tree in endovascular interventions
16:00	**Podium**	Liangjia Zhu	*Georgia Institute of Technology*	Human body joints estimation for clinical jumping analysis
16:30	**Podium**	Sachin Man	*University of Western Australia*	Modeling heterogeneous tumor growth using hybrid cellular automata