

ISG 2008 Program Overview - preliminary (16/04/2008)

10 th July	
15.00 - 17.00	Round Table: "Standardisation of motion analysis protocols for the upper-limb"
17.00 - 17.30	<i>Break</i>
17.30 - 18.30	Sponsors' User-Meeting
18.30 - 20.00	<i>Opening Ceremony and Welcome Reception</i>

Registration/Accreditation Desk

11 th July	
08.30 - 10.00	Prostheses (x6)
10.00 - 10.30	<i>Coffee Break</i>
10.30 - 12.00	Prostheses + Models (x6)
12.00 - 13.00	<i>Lunch</i>
13.00 - 14.30	Poster (x12)
14.30 - 16.00	Models (x6)
16.00 - 16.30	<i>Coffee Break</i>
16.30 - 17.15	Inertial sensors (x3)

- Podium Presentations
- Poster Presentations
- Special events
- Break

12 th July	
08.30 - 10.00	Motor Control + Physical Therapy (x6)
10.00 - 10.30	<i>Coffee Break</i>
10.30 - 12.00	Physical Therapy (x6)
12.00 - 13.00	<i>Lunch</i>
13.00 - 14.30	Poster (x12)
14.30 - 16.00	Kinematics (x6)
16.00 - 16.30	<i>Coffee Break</i>
16.30 - 17.00	Sport (x2)
17.00 - 17.30	Keynote Lecture
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20.30 - ...	<i>Conference Dinner</i>

11th July

08.30 - 10.00	Prostheses
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First Author	Title
Krekel	Accurate prediction of bone impingement in pre-operative planning for shoulder arthroplasty
Kontaxis	Impingement in reverse anatomy shoulder prosthesis
Masjedi	Kinematics of patients with Bayley-Walker reverse anatomy shoulder joint replacement
Suarez	Effect of a degenerated supraspinatus on the initial stability of a cementless glenoid implant
Steenbrink	Teres major tendon transfer for irreparable rotator cuff tears
Audenaert	Reconstruction of massive rotator cuff lesions with a synthetic interposition graft: five to ten year follow-up and biomechanical rationale

10.30 - 12.00	Prostheses + Models
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First Author	Title
Baumgartner	Refixation stability in shoulder hemiarthroplasty
Kirsch	Restoring shoulder stability and motion with functional electrical stimulation
Blana	Control of a biomechanical model of the human upper limb
Troncossi	Kinematic and kinetostatic synthesis of a prosthetic shoulder mechanism for upper limb amputees
Modenese	Experimental validation of a musculoskeletal shoulder model
Webb	Finite element modeling of the rotator cuff

13.00 - 14.30	Poster
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First Author	Title
Lemieux	Two dimensional numeric evaluation of a new prosthesis design adapted to the massive rotator cuff tear
Audenaert	Excursion and strain of the brachial plexus and peripheral upper limb nerves following reversed arthroplasty of the shoulder
Audenaert	An anatomical approach to functional segments within the deltoid muscle
Audenaert	CT-based visualization and segmentation of soft-tissue features for use in upper limb modeling
Chadwick	A real-time biomechanical model of the human upper limb
Troncossi	Selection of significant activities of daily living for the simulation of prosthetic shoulder articulations
Lim	Suggestion of formula for prediction of potential trabecular architectural variation on the glenoid of the shoulder
Coley	Characterization of the humerus movement during daily activity
Simonidis	A Method on modelling Coupled Shoulder Kinematics
Syczewska	Kinematics and emg reference data of healthy adult subjects: simple upper extremity functional tasks
Rettig	Functional methods for shoulder joint centre estimation based on a minimized marker set – comparison of three different computation methods for clinical feasibility
Leardini	A novel technique for trunk and shoulder kinematics in human movement analysis
Lemieux	Two dimensional numeric evaluation of a new prosthesis design adapted to the massive rotator cuff tear

14.30 - 16.00	Models
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First Author	Title
Asadi Nikooyan	Comparing model-estimated gh-joint contact forces to those measured in-vivo by instrumented shoulder endoprosthesis
Meskers	Load dependency of shoulder muscle contraction patterns
Marsden	The importance of muscle path predictions on internal force estimates in a model of the shoulder
Kaufman	Dynamic shoulder simulation using musculoskeletal strands
Martelli	Scaling of a shoulder musculoskeletal model does not lead to significant improvements
Audenaert	Isokinetic abduction strength of the shoulder : correlation with deltoid muscle volume

16.30 - 17.15	Inertial sensors
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First Author	Title
Coley	An objective score for the shoulder function evaluation using the arm position during daily activity
Roetenberg	Calibration and scaling method for motion capture using inertial sensors
de Vries	Determining functional axes of rotation of the thorax and upper extremity with inertial magnetic sensors

12th July

08.30 - 10.00	Motor Control + Physical Therapy
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First Author	Title
Chapman	Unconstrained Shoulder Joint Position Sense Does Not Change With Body Orientation
Barden	Coordination dynamics of proprioceptive reaching in multidirectional shoulder instability
Robinson	The reach co-ordination of tetraplegics in their 3d workspace after tendon transfer surgery
Chen	Cortical activity changes related to increased shoulder abduction drive following chronic hemiparetic stroke: preliminary results
Dewald	The effect of asymmetric tonic neck reflexes on elbow/shoulder joint torques generation following stroke: preliminary results
Andersen LL	Isokinetic shoulder muscle strength and EMG in females with shoulder/neck muscle pain: A randomized controlled trial with exercise intervention

10.30 - 12.00	Physical Therapy
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First Author	Title
de Groot	To compensate or not to compensate; muscle activation patterns from impingement and cuff tears
Janura	Functional categorization of the individual morphology of the scapula
Phadke	Comparison of subacromial volume in shoulder impingement test positions
Camargo	Eccentric training for shoulder abductors improves force steadiness in subjects with subacromial impingement syndrome
Szucs	Serratus anterior fatigue results in upper trapezius compensation during arm elevation
Szucs	Preliminary analysis of shoulder movement, range of motion, and quality of life following surgery for primary breast cancer

13.00 - 14.30	Poster
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First Author	Title
Szucs	Alterations in scapular kinematics following a fatigue protocol of serratus anterior
Huang	The Effects of Scapular Muscle Activations on Pushing Forces during Pushing Tasks
Andersen CH	Regional muscle strength and pain intensity in females with trapezius myalgia: A randomized controlled trial with physical activity intervention
Ludewig	Three-dimensional shoulder joint complex kinematics in a case of glenohumeral osteoarthritis
Garofalo	The relation between scapular and shoulder-girdle motion in subjects with and without shoulder impairment
Fradet	Contributions of the scapulo-thoracic complex to arm abduction/adduction in arthrotic patients
Cavazza	Visual scale for shoulder girdle compensation
Lempereur	Comparison of scapular motion between triangle shape and point cluster methods
Lovern	Use of passive markers vs. electromagnetic tracker and scapula locator in kinematic analysis of the shoulder complex
van den Berghe	Reaching in 3-dimensional space: effect of reaching height and width
Fantozzi	Kinematics analysis of a wheelchair tennis serve: a pilot study
Porcellini	Pitcher aging affecting performance in the dominant shoulder

14.30 - 16.00	Kinematics
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First Author	Title
Garofalo	Test-retest reliability of a motion analysis protocol for the assessment of shoulder-girdle compensatory movements
Campbell	Quantification of the Effects of Technical Coordinate System Location on Glenohumeral Joint Centre Representation During Dynamic Three-Dimensional Motion Analysis
van Andel	Upper extremity functional kinematics of healthy children compared to adults
Wolf	Conjunct and adjunct rotation in the shoulder
San Juan	Measuring In-vivo Humeral Head Translation using Fluoroscopy: A Comparison of Static and Dynamic Positioning
Tersi	In-vivo elbow kinematics using fluoroscopy: a feasibility study

16.30 - 17.00	Sport
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First Author	Title
Cieminski	The effects of humeral retroversion on scapular kinematics in throwing athletes with shoulder internal rotation range of motion deficits
Pascoal	Differences on range of motion of active humeral rotation in throwing athletes

17.00 - 17.30	Keynote Lecture
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Dr. G. Porcellini - surgeon <i>Director of the Centre of Excellence in Shoulder and Elbow Surgery Cervesi Hospital, Cattolica, Italy</i>	<i>To be announced</i>
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