TIME	THURSDAY 12th JULY 2018														
	Auditorium Level 3	Liffey B Level 1	Liffey Hall 1 Level 1	Liffey Hall 2 Level 1	Liffey MR1 Level 1	Liffey MR2 Level 1	Liffey MR3 Level 1	Wicklow Hall 1 Level 2	Wicklow Hall 2A Level 2	Wicklow Hall 2B Level 2	Ecocem Level 2	Wicklow MR1 Level 2	Wicklow MR2 Level 2	Wicklow MR3 Level 2	Wicklow MR4 Level 2
0830 - 1000	**Locomotion and human movement (Walter Herzog)** Human locomotion in diseased/injured populations - osteoarthritis	**Cardiovascular (Gerhard Holzapfel)** Congenital heart defects and pediatric cardiology applications 1	**Sport biomechanics, injury and rehabilitation (Tamara Reid Bush)** ISB Session 2 - footwear biomechanics	**Cardiovascular (Gerhard Holzapfel)** Cerebral aneurysms 1	**Biofluid and transport (David Steinman)** Modeling of biofluid transport 1	**Biofluid and transport (David Steinman)** Fluid-structure interactions in cardiovascular mechanics 1	**Emerging areas (Niamh Nowlan and Kristin Myers)** The biomechanics of pregnancy and parturition	**Musculoskeletal (Tammy Haut Donahue)** Medical device / soft tissue interaction	**Musculoskeletal (Tammy Haut Donahue)** Biomechanics of musculoskeletal development	**Cell biomechanics (Ed Guo)** Cardiovascular cell mechanics and its role in human disease	**Tissue Engineering (Carlijn Bouten)** Biomechanics of muscle, tendon and ligament tissue engineering	**Imaging and devices (Ho Ba Tho)** Rehabilitation methods, tools, and devices for shoulder	**Imaging and devices (Ho Ba Tho)** Nano- and micro-mechanics of biological tissue, biomimetic and bioinspired materials and systems 2		**Tissue Engineering (Carlijn Bouten)** Mechanical Issues in Interfacial Tissue Engineering
1000 - 1030	**Refreshment Break - 30 mins**							**Poster Session GROUP 4**							
1030 - 1200	**Locomotion and human movement (Walter Herzog)** Mobile monitoring of biomechanical phenomena 1	**Cardiovascular (Gerhard Holzapfel)** Congenital heart defects and pediatric cardiology applications 2	**Sport biomechanics, injury and rehabilitation (Tamara Reid Bush)** Automotive safety biomechanics 1	**Cardiovascular (Gerhard Holzapfel)** Cerebral aneurysms 2	**Biofluid and transport (David Steinman)** Modeling of biofluid transport 2	**Biofluid and transport (David Steinman)** Fluid-structure interactions in cardiovascular mechanics 2	**Emerging areas (Niamh Nowlan and Kristin Myers)** USNCB global women's health biomechanics	**Musculoskeletal (Tammy Haut Donahue)** Meniscal mechanics	**Musculoskeletal (Tammy Haut Donahue)** Sensorimotor function and neuromechanics of joints	**Cell biomechanics (Ed Guo)** Cardiovascular mechanobiology and molecular mechanisms	**Tissue Engineering (Carlijn Bouten)** Biomechanical microengineering of tissue mimics for human disease modeling	**Imaging and devices (Ho Ba Tho)** Rehabilitation methods, tools, and devices for hand/wrist	**Imaging and devices (Ho Ba Tho)** Dynamic medical imaging techniques for biomechanics systems 1	**Industry Session** **10:30 - 11:15** Body (A)symmetries: Is there a Link between Local and Integral Movement Function? Hosted by Kistler KISTLER **Industry Session** **11:15 - 12:00** Integrating IMUs with Optical Motion Capture: Clinical and Sporting Applications' *Hosted by VICON* VICON	**Tissue Engineering (Carlijn Bouten)** Functional tissue engineering of articular cartilage and fibrocartilage
1200 - 1330	**Lunch Break - 1.5 hour**							**Poster Session GROUP 4 - 1.5 hrs**							
1330 - 1415	**Invited Plenary** **Julie Steele** **Australia**	**Invited Plenary** **David Elad** **Israel**													
1420 - 1550	**Locomotion and human movement (Walter Herzog)** Mobile monitoring of biomechanical phenomena 2	**Cardiovascular (Gerhard Holzapfel)** Mechanical circulatory support	**Sport biomechanics, injury and rehabilitation (Tamara Reid Bush)** Automotive safety biomechanics 2	**Cardiovascular (Gerhard Holzapfel)** Arterial stiffness and disease	**Biofluid and transport (David Steinman)** Biolocomotion and flows	**Biofluid and transport (David Steinman)** Airway flows and lung transport 1	**Emerging areas (Niamh Nowlan and Kristin Myers)** Integrated methods for reproductive biomechanics	**Musculoskeletal (Tammy Haut Donahue)** Total joint replacements	**Emerging areas (Niamh Nowlan and Kristin Myers)** Biomechanics in nature I, a tribute to Prof R. McNeill Alexander	**Cell biomechanics (Ed Guo)** Cardiovascular cell mechanics, adhesion and mechanotransduction	**Tissue Engineering (Carlijn Bouten)** Biomechanics of pelvic floor / bladder engineering	**Imaging and devices (Ho Ba Tho)** Rehabilitation methods, tools, and devices for ankle/foot 1	**Imaging and devices (Ho Ba Tho)** Dynamic medical imaging techniques for biomechanics systems 2		**Tissue Engineering (Carlijn Bouten)** Biofabrication and bioreactors for functional tissue systems 1
1550 - 1620	**Refreshment Break - 30 mins**							**Poster Session GROUP 4**							
1620 - 1750			**Sport biomechanics, injury and rehabilitation (Tamara Reid Bush)** Biomechanics of sports: Surfing to soccer	**Emerging areas (Niamh Nowlan and Kristin Myers)** Lung biomechanics	**Imaging and devices (Ho Ba Tho)** Imaging and device biomechanics: Modelling, diagnosis, rehabilitation	**Biofluid and transport (David Steinman)** Airway flows and lung transport 2	**Emerging areas (Niamh Nowlan and Kristin Myers)** Multiscale cancer mechanobiology & biomechanics	**Musculoskeletal (Tammy Haut Donahue)** Traumatic loading of the spine and/or spinal cord injury	**Emerging areas (Niamh Nowlan and Kristin Myers)** Biomechanics in nature II, a tribute to Prof R. McNeill Alexander	**Cell biomechanics (Ed Guo)** Mechanical regulation of stem cells	**Tissue Engineering (Carlijn Bouten)** General tissue engineering	**Imaging and devices (Ho Ba Tho)** Rehabilitation methods, tools, and devices for ankle/foot 2	**Imaging and devices (Ho Ba Tho)** Patient-specific biomechanical interaction of cardiovascular devices with surrounding tissues	**Musculoskeletal (Tammy Haut Donahue)** General musculoskeletal biomechanics	**Tissue Engineering (Carlijn Bouten)** Biofabrication and bioreactors for functional tissue systems 2
1800 - 1800	**Closing Ceremony**														