

Day1			
Session: Novel technics & Performance			
Chairman: Prof. Mike Hahn			
Time	Title	Author	Presentation ID
9:20-9:30	Machine learning material classification from ground reaction force during gait with polyurethane and styrene-butadiene rubber midsole military boots	Adriane Mara de Souza Muniz	01-1
9:30-9:40	Prediction of the effect of stack height on running biomechanics using optimal control simulation	Chuyi Wang	01-2
9:40-9:50	Towards the Application of Digital Twin in the Research and Development of Sport Footwear,	Qichang Mei	01-3
9:50-10:00	Can contemporary racing spikes improve sprint running performance?	Sunil Prajapati	01-4
10:00-10:10	Technological Advances in Track Spike Design Facilitate Enhanced Running Performance	Ethan Wilkie	01-5
10:10-10:20	A 6-week short foot exercise intervention enhances barefoot and shod vertical but not horizontal jump performance in team sports players	Matthew Stoner	01-6
Session: Bending stiffness & Midsole property			
Chairman: Dr. Sasha Cigoja			
Time	Title	Author	
10:40-10:50	The Influence of Midsole Thickness on Running Biomechanics and Performance in Female and Male Runners, Does Size Matter?	Zach B. Barrons	02-1
10:50-11:00	Peak Plantar Pressures in Running Footwear with Increased Longitudinal Bending Stiffness	Christian A. Clermont	02-2
11:00-11:10	Interaction of running shoe midsole hardness and bending stiffness on the lower-limb joints mechanics	Tomohiro Miyazaki	02-3
11:10-11:20	Effects of Longitudinal Bending Stiffness and Midsole Foam on Running Energetics and Biomechanics	Herlandt Lino	02-4
11:20-11:30	Understanding gait transition during running in different cushioned footwear conditions	Embla Jóhannesdóttir	02-5
11:30-11:40	Effect of midsole cushioning on ankle, knee, and hip joint work during running	Kathy Reyes	02-6
Session: AFT & Racing			
Chairman: Prof. Toni Arndt			
Time	Title	Author	
14:00-14:10	Effect of the Racing Shoes with the Special Heel Structure on the Elite Runners' Lower Limb Biomechanics	Fengqin Fu	03-1
14:10-14:20	Evaluation of running economy in runners wearing shoes that elicit natural forefoot strikes	Shotaro Yokoyama	03-2
14:20-14:30	Influence of foot posture focused racing shoes on running motion	Shunsuke Tazawa	03-3
14:30-14:40	Different heel strike patterns change the impact of the whole body during running	Young-Seong Lee	03-4
14:40-14:50	Insights into the energy returning properties of "super shoes" from a novel, highly accurate, biplanar videoradiography dataset	Quinn Yetman	03-5
14:50-15:00	Effects of midsole stack height and foam on the metabolic cost of running	Montgomery Bertschya	03-6
Day2			
Session: Loading & Injury			
Chairman: Prof. Brent Edwards			
Time	Title	Author	
9:00-9:10	Relationships between pronation-related kinematics and musculoskeletal loadings during running: Implications for footwear	Nicolas Flores	04-1
9:10-9:20	Extracting principal pressure pattern under the foot arch during prolonged running	Satoru Abe	04-2
9:20-9:30	Is the energy loss of footwear related to Achilles tendon loading during treadmill walking?	Lloyd Reed	04-3
Session: Traction & Fall prevention			
Chairman: Dr. Sarah Hemler			
Time	Title	Author	
10:40-10:50	Grip mechanisms and mechanical characterization of outsole materials: Toward shoe slip resistance prediction	Dimitri Ferré Sentis	05-1
10:50-11:00	Evaluation of tread pattern by observing interface between shoe sole and sliding surface	Yusuke Yoshikawa	05-2
11:00-11:10	Shoe-floor friction is predicted by high-frequency material properties and small-scale floor topographical features	Kurt Beschoner	05-3
Day3			
Session: Clinical			
Chairman: Dr. Karen Mickel			
Time	Title	Author	
9:00-9:10	Foot shape modeling of older adults with and without diabetes mellitus	Sarah Hemler	06-1
9:10-9:20	The immediate effect of a prototype shoes for restraining body mechanics of knee osteoarthritis	Katsutoshi Nishino	06-2
9:20-9:30	Effects of prototype shoes for knee osteoarthritis in female adults - Evaluations of gait, clinical outcome, and body composition -	Remi Hayashi	06-3
9:30-9:40	The effect of design characteristics on the mechanical stiffness of children's off-the-shelf stability therapeutic footwear	Matthew Hill	06-4
Session: Fitting			
Chairman: Prof. Julie Steele			
Time	Title	Author	
11:00-11:10	A Wrapping Fit of Ski Boots Improves Performance and Fit in Skiers	Daniel Feeney	07-1
11:10-11:20	Shoe upper and baseball throwing performance	Kate Harrison	07-2
11:20-11:30	Do sex differences exist in foot shape?: A hierarchical cluster analysis	Masanori Sakaguchi	07-3
11:30-11:40	Quantifying foot shape and sensitivity to understand footwear comfort in aging adults	Emily Matijevich	07-4
Session: Comfort & Perception			
Chairman: Dr. Chris Bishop			
Time	Title	Author	
14:40-14:50	Biomechanics and perceptions of recreational runners wearing novel shoes	Kim Hébert-Losier	08-1
14:50-15:00	Relationship between individual differences in runners' running shoe preferences and biomechanical characteristics.	Hideya Okamoto	08-2
15:00-15:10	Run Signature 2.0: Advancing our ability to quantify habitual motion path deviations	Evan Day	08-3
15:10-15:20	Cluster analysis to identify possible subgroups in recreational runners and their preferred running shoes characteristics	Wan Muhammad Farid Amirul Hisham Wan Azmi	08-4