

All Events take place at the Preus-Brandt Forum unless otherwise specified - see Campus Map for details

Friday, April 11

5:00 - 6:00	Registration		
6:00 - 6:15	Welcome and Introductory Comments	Dr. Michele LeBlanc and Dean Joan Griffin	California Lutheran University
6:15 - 7:15	SCCB Keynote Address: Dr. John Milton <i>Sticks, falls, and walking shoes: Legends of the fall</i>		Scripps College
7:15 - 7:30	BREAK		
	Session 1: Special Population Biomechanics		
7:30 - 7:45	Upper Extremity Functional Performance In Older Adults With Hyperkyphosis: The Effects Of A 6 Month Yoga Intervention	Ferris, A.E.	University of Southern California
7:45 - 8:00	The Effectiveness of a Simple In-Home Training Program on Balance, Mobility and Leg Strength in the Elderly	Linville, T.	California Lutheran University
8:00 - 8:15	The Effects of Walking Speed on Lower Extremity Joint Mechanics in Persons with Early Stage Parkinson's Disease	Song, J-E.	University of Southern California
8:15 - 8:30	The Relationship Between Interjoint Coordination During Gait And Strength, Spasticity And Selective Voluntary Motor Control in Children with Spastic Diplegic Cerebral Palsy	Goldberg, E.	University of California, Los Angeles

Saturday, April 12

8:15	Registration Opens		
	Session 2: Exercise and Sports Biomechanics		
9:00 - 9:15	Gait Entrainment During Side-By-Side Treadmill Walking	Gilliland, S.	Chapman University
9:15 - 9:30	Altered Knee Extensor Dynamics in the Volleyball Approach Jump: The Influence of Patellar Tendinopathy	Sorenson, S.C.	University of Southern California
9:30 - 9:45	The Effects of Leg Dominance on Knee Joint Kinetics During Cutting	Ping, S-P.	University of Florida and University of Southern California
9:45 - 10:00	Upper Body Pitching Kinematics and Their Effect On The Movement of Two Fastball Pitches	Keeley, D.	Texas A&M University-Commerce
10:00 - 10:15	Patellofemoral Joint Stress during Weightbearing and Non- Weightbearing Exercises	Ho, K.	University of Southern California
10:15 - 10:30	BREAK		
	Session 3: Modeling Biomechanics		
10:30 - 10:45	Validation of Walkway Slip Resistance Measurements: A Gait- Based Approach	Blanchette, M.G.	University of Southern California
10:45 - 11:00	The Bone Diagnostic Instrument	Mathews, P.	University of California, Santa Barbara
11:00 - 11:15	A Finite Element Analysis Approach to Estimate In-Vivo Patellofemoral Joint Cartilage Stress	Farrokhi, S.	University of Southern California
11:15 - 11:30	An EMG Based Rigid Body Model of the Human Upper Leg Estimating Muscle and Joint Contact Forces using SimMechanics	Scott, M.	California Polytechnic State University, San Luis Obispo
11:30 - 11:45	Subject Specific Anatomic Parameters Improve Moment Predictions of an EMG-Driven Knee Joint Model	Tsai, L-C.	University of Southern California
11:45 - 1:45	Lunch and Poster Session at the Lundring Event Center in the Gilbert Sports and Fitness Center		
1:45 - 2:00	Return to the Preus-Brandt Forum for presentations		
2:00 - 3:00	ASB Keynote Address - Dr. Ron Zernicke <i>Bone Adaptation: Diet, Exercise & Injury</i>		University of Michigan
3:00 - 3:15	BREAK		
	Session 4: Joint and Muscle Biomechanics		
3:15 - 3:30	Femoral Rotation and Patellofemoral Joint Alignment: A Comparison of Females With and Without Patellofemoral Pain Using Weight-Bearing MRI	Souza, R.B.	University of Southern California
3:30 - 3:45	Differential Fatigue of Lumbar Multifidus in Persons With Recurrent Unilateral Low Back Pain	Beneck, G.J.	University of Southern California
3:45 - 4:00	Mechanical Axis Alignment in Total Knee Arthroplasty Revision: The Influence on Frontal Plane Loading of the Knee During Walking	Stearns, K.S.	University of Southern California
4:00 - 4:15	Lumbopelvic Kinematics in the Presence of Diminished Hip Muscle Performance	Popovich, J.M.	University of Southern California
4:15 - 4:30	Comparison of Three Dimensional Patellofemoral Joint Reaction Forces in Persons With and Without Patellofemoral Pain	Chen, Y.	University of Southern California
4:30 - 4:50	BREAK, Closing Comments, Awards Presentations		