				Session				
Session	Date	Time	Format	Chair(s)	TITLE Predicting Measures of Physical Performance from Galt Mechanics in Patients with Ankle Osteoarthritis	Corr Author Queen	First Author Queen	Abstract ID 364
					Does local dynamic stability during unperturbed walking predict the response to balance perturbations? Restoring Propulsive Forces in Elderly Gait Does Not Impair Dynamic Stability	Franz Browne	Qiao Browne	204 292
					Foung adults are surprisingly bad at walking: Sex differences in the circumstances associated with falls Does Foot Position Affect Muscle Function During Gait in Cerebral Palsy?	Cho Hegarty	Cho Hegarty	340 333
Walking	Thursday, Aug. 9	09:30-11:00	Rapid Podiun	Anita Bagley & Robin Pomeroy	solating Effects of Toe and Foot Length on Bipedal Walking Correlation Between Galt Asymmetry and Motor Variability	Honert Hughes-Oliver	Honert Hughes-Oliver	441 168
					Changes in Force-Deformation Patterns of the Foot with Walking Speed 4 New Kinematic-Based Gait Event Detection Algorithm During Treadmill Locomotion	Hulcher Morgan	Hulcher Morgan	231 304
					The Effects of Subtalar Axis Orientation on Kinematics and Kinetics During Dynamic Motion Discrepancy in Modular Control of Gait Derived from Experimental and Simulated Activation Patterns	Ringleb Roelker	Noginova Roelker	380 222
					Auditory and Visual external cues have different effects on spatial but similar effects on temporal gait variability is pufference in Human Anklé Stiffeess	Vaz Lee	Vaz Trevino	613 80
				Allison Gruber	leg Stiffners, Joint Stiffners, and Running Injury Rate: A Prospective Cohort Study The Influence of Body Mass Index and Sex on Frontal and Sagittal Plane Joint Moments During Walking	Davis IV Garcia	Davis IV Garcia	591 471
Sex Differences	Thursday, Aug. 9	09:30-11:00	Thematic	& Shel by Peel	Sex Differences in Running, Cutting and Drop-Landing Biomechanics Post-ACL Reconstruction	Hannigan Inglis	Hannigan Inglis	662 557
					Sex differences in motor unit behaviour during force development sex and mechanism of injury (MOI) influence lone mechanics after anterior cruciate ligament reconstruction (ACLR) the Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Multilland Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition and Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Solition Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Seegoins Threebolds in Individuals With Chronic Strake The Effects of Edit Reconsect Trailings on Seegoins Threebolds in Individuals With Chronic Strake Threebolds on Seegoins Seegoins Trailings on Seegoins Threebolds in Individuals With Chronic Strake Threebolds on Seegoins Threebolds in Individuals With Chronic Strake Threebolds on Seegoins Seegoins Threebolds in Individuals With Chronic Strake Threebolds on Seegoins Threebolds in Individuals With Chronic Strake Threebolds on Seegoins Threebolds Individuals	Ito Pigman	Ito Pigman	183 106
				Elizabeth Hsiao-	The Effects of Fall-Recovery Training on Single- and Multiple-Stepping Thresholds in Individuals With Chronic Stroke Charactering Multiscale in Vivo Muscle Architecture Changes Following Stroke Motor Model Generalization Across Williags and Balance Kascalated with Better Walking Performance Post-stroke	Adkins Allen	Adkins Allen	643 132
Stroke	Thursday, Aug. 9	09:30-11:00	Thematic	Wecksler & Sabrina Lee	Merged Plantar flexor Module Predicts Poor Walking Performance in Post-Stroke Hemiparetic Subjects Post-Stroke Stiff Knee Galit is Linked to Mis-timed Braking Forces	Brough Dean	Brough Dean	187 392
					Methodology to Estimate Voluntary Activation of the Paretic Elbow and Wrist Muscles in Chronic Hemiparetic Stroke Using Twitch Interpolation Reliability and Feasibility of an inertial Measurement Unit Based Dual-Task Gait Balance Assessment	Garmirian Chou	Garmirian Pitt	478 1
					Exploring Movement Variability and EEG Correlates During Motor Learning 4 Novel Approach for Evaluating Compensatory Gait Strategies Using Mechanical Energetics	Shattuck Ebrahimi	Shattuck Ebrahimi	100 185
				Cecile	Safe Variability to revision in Control of the Cont	Ulman Van den Berghe	Ulman Van den Berghe	193
Doctoral Competition Track A	Thursday, Aug. 9	11:30-13:00	Rapid Podiun	Smeesters & Evelyne	Effects of a New Adaptive Ankle Prosthesis on Level and Sloped Walking Estimating Galit Events and Locomotion State with a Beta Process Auto Regressive Hidden Markov Model	Lamers Donahue	Lamers Donahue	239 334 408
				Carbonneau	Lower Limb Joint Angle Variance As A Function of Obstacle Height During Obstacle Crossing Load Effects on Performance for Example Obstacles in an Outdoor Course	Cui Vitali	Cui Vitali	409 440
					NCONSISTENCIES IN STAIRCASE DIMENSIONS IMPACT UPON STAIR CLIMBING SAFETY Regular Running in Midlife May Be Protective of Plantarflexor Function After a Prolonged Walk	Francksen Casto	Francksen Casto	454 490 570
					Regular Running in Midlife May Re Protective of Plantarflexor Function After a ProLonged Walk **Fall-state Controller for the Simple inverted Pendium Biglio Derived from Human Perturbation Experiments The Effect of Scapulothora cic Upward Rotation on Subacromial Proximities	Joshi Lawrence	Joshi Lawrence	191
					Cencical Spine Bighaner Fluoroccopy Automated Shape-Matching Algorithm Validation 5,551 Izint Load Estimation during Lifting Using a Deep Learning Bazed Method ON-STE REACTIVE BALANCE TRAINING ANOING RESIDENTS OF RETREMENT COMMUNITIES	Ellingson Mehrizi	Kage Mehrizi	325 339 356
				Melissa Gross &		Aviles Piazza	Aviles Wade	394
Doctoral Competition Track B	Thursday, Aug. 9	11:30-13:00	Rapid Podiun	n Joshua	congitudinal Changes in Cartilage Composition are Associated with Abnormal in Vivo Knee Mechanics following ACL Reconstruction Running-Specific Prosthetic Model Affects Top Sprinting Speed in Athletes with Unilateral Transitioal Amputations	Vignos Southern	Vignos Southern	432 438
				Leonardis	Changes in Hip Mechanics During Gait Modification to Reduce Knee Adduction Moment Salt Asymmetries 6 Months Post-ACLR Associate with Inter-Limb Tirho Ratios 12-Months Post-ACLR	Cortes Pfeiffer	Lindsey Pfeiffer	444 532
					Patients with Medial Knee OA Vary in the Kinetic Response to Plantar Pressure-Based Feedback Comparison of Joint Kinetics Using Common Models for Baseball Pitching	Wimmer McNally	He McNally	539
						Acuna Watanabe	Acuna Watanabe	549 620 74
					Effect of Local Muscle Fatigue on Low-Prequency Common Input to Bilateral and Unilateral Flantar Flexors during Quiet Standing Friceps Surve Muscle-Subtendon Interaction Differs Between Young and Older Adults Flexor Adults Revenue Flex Older Hot Detail To Princing RedderEduction United Standing Flex Adults Revenue Flex Older Hot Detail To Princing RedderEduction United Standing Flexors (Flexor) Flex Adults Revenue Flex Older Hot Detail To Princing RedderEduction United Standing Flexors (Flexor) Flexor Adults Revenue Flexor (Flexor) Fl	Clark Browne	Clark Browne	129 302
				Alena	Post-Operative Function and Muscle Modules during Gait at 6 and 24 Months Following Total Knee Arthroplasty Post-Stroke Walking Mechanics Using a Speed-Adaptive Mycelectric Exoskeleton Controller	Koehn McCain	Koehn McCain	368 377
Doctoral Competition Track C	Thursday, Aug. 9	11:30-13:00	Rapid Podium	n Grabowski &	Pathological Knee Joint Condition in Children with Cerebral Palsy is Associated with the Active State Muscular Mechanics rather than Passive Evaluating the Postural Ergonomics of Ophthalmologists using. Kinematic Motion Analysis and Electromyography	Ates Siddicky	Kaya Siddicky	379 466
				Ryan Alcantara	in Vivo Relationship Between Joint Stiffness, Joint-based Estimates of Muscle Stiffness, and Shear Wave Velocity	Vigotsky DeDecker	Vigotsky DeDecker	496
					Does Stalgue Affect Wrist Elementics During a Reportive Pick-and-Place Task? COMPUTATIONAL MODEL OF MUSCLE INJURY VALIDATED WITH IN SITU EXPERIMENTS Inger Muscles Injected with Bodulinum Toxin Demonstrate Increased Passive Siffness and Decreased Passive Range of Joint Motion in Individuals with Chronic Hemiparetic Stroke	Westman Binder-Markey	Westman Binder-Markey	546 636 646
					How Does Achilles Tendon Twisting Influence Strain and Energy Storage? Hip Extensor Faitupe Alters Hip and Knee Coupling During Step-Downs: A Randomized Controlled Trial	Knaus Hollman	Knaus Beise	675 182
				Robin Queen &	Learning Locomotor Stability in Novel Environments	Bucklin Dibbern	Bucklin Dibbern	542 587
COB & JOB Award Session	Friday, Aug. 10	09:30-11:00	Podium	Brooke Odle	CONTRACT STRESS OF EXPRESSIONS CONTRACTS STATE OF THE OFFICE OFFICE OF THE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFI	Krupenevich Lulic	Krupenevich Lulic	523
					Genchumera I nat Sabitity During Duminic Pushing and Pulling Hands on Activities Improve Learning in Lecture-only Qualitative Biomechanics	McFarland Catena	McFarland Catena	595 296 101
Teaching Symposium	Friday, Aug. 10	09:30-11:00	Podium	Kim Bigelow		Becker Gross	Becker Gross	399 257
					Lessons from the Past: Learning Anatomy in the Italian Renaissance entroducing Engineering and Biomechanics to Prof-6 Students through a Service Learning Partnership invitoroment-deconder modulation of human anales stiffness during usurish to obstart a balance	Ringleb Lee	Ringleb Nalam	315
				Jessica Allen &	Invironment-dependent modulation of human ankle stiffness during upright portural balance What Are the Effects of Muscle Weskiness on the Six to Stand Transfer? Assard Sepping Control in Older Adults Jouring Medicitates Perturbations The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control in Older Adults Jouring Medicitates International The Assard Sepping Control International	Caruthers Kazanski	Caruthers Kazanski	82 284 531
Standing	Friday, Aug. 10	09:30-11:00	Thematic	Amy Hegarty	Effects of Wearing, An Upper Limb Postbasis Online presented the Control of the C	Major Monfort	Major Monfort	188 206
			<u> </u>	oxdot	THE PRINCE OF A RECENTING THE ANGOLD TO IMPROVE POSTURAL CONTROL AMONG CANCER SURVIVORS A model for internal elastic energy storage and recovery in deforming muscles	Worthen-Chaudhari Roberts	Worthen-Chaudhari Roberts	287 562
				Deanna	New insights into the mechanical behavior of the healthy, human Achilles tendon revealed by novel digital image correlation Required Muscle Activation Dependence on Moment Arm and Maximum Shortening Velocity; A Computer Simulation Study	Nagelli Piazza	Quirk Hickox	194
The Triceps Surae Complex	Friday, Aug. 10	09:30-11:00	Thematic	Asakawa & Carolyn Eng		Baxter	Hullfish	569 311 655
					Prediction of Soleux Muscle Fascicle Behavior During Walking Using a Multiscale Coupled OpenSim and FEBIo Model Non-Invasive In Vivo Archites Tendon Stress Measurement: Posture and Rate Dependence Walking Balance on Tardeamill Change during Pregnancy and Page 100 pressure and Page 10	Keuler Catena	Keuler Catena	506 20
					Since Joint Loading Uning Gal It in Independently Ambulatory Children With Spins Biffids NINEL JOINT STIFFNESS OF CHILDREN WITH CEREBRAL PALSY AFTER SELECTIVE DORSAL RHIZOTOMY	Mueske	Wren Ates	180 103
Pediatrics & Pregnancy	Friday, Aug. 10	11:30-13:00	Podium	Kate Saul	mpact Of Forces On Pediatric Posterior Walker On Work In Cerebral Palsy Gait	Russell	Russell	537 393
					Asymmetrical Stance During, Child Carrying; Implications for Back Pain Lower Extremity Muscile Activity of Healthy Infants: Implications for Hip Dysplasia Patients Changes in Youth Baseball Pitching Biomechanics: A 7-Year Longitudinal Study	Mannen Mannen Diffendaffer	Mannen Diffendaffer	391 23
					Relationship of Segmental Energy Flow and Elbow Valgus Load During Baseball Pitching	Aguinaldo	Aguinaldo	265 673
Pitching and Swinging	Friday, Aug. 10	11:30-13:00	Podium	Wendy Murray	Gnematic Timing Differences in The Baseball Swing in Various Training Drills -Auamatry of the Swing in Naca Division I Softball Playtes -Qualification of Softball Swing Playters and Baseball Playters -Qualification of Softball Swing Playters and Relationships to Swing Kinematics for Naca Dividion I Softball Hitters	Ficklin Lund	Ficklin Lund	465 467
					DXA-Driven Inverse Dynamics Of Pitching Arm Kinetics in Youth Baseball Players Comparison of 3DOF and 6DOF Work and Power for Standing Long Jump	Klisch Ashby	Sterner Ashby	260 37
				Jill McNitt Gray	COUNTERMOVEMENT JUMP HEIGHT AND FORCE, AT TIME VARIABLES IN HIGH SCHOOL BASKETBALL PLAYERS Sport-Specific Wearable: A Jump Monitor for Figure Skating	Hale Ridge	Hale Ridge	127 421
Jumping & Landing	Friday, Aug. 10	11:30-13:00	Thematic	& Ola Adeniji	impaired Jumping Performance Arising from Sedentary Growth is Recovered Through Exercise in Adulthood	Salzano Stephenson	Salzano Stephenson	585 430
					Effects of Erroneous Movement Predisposition on Jump Landing oint Contributions to Total Lower Extremity Power during a Single-Leg Hop Landing task after Anterior Cruciate Ligament Reconstruction normaling Public Renays from a Proteits Foot May Not Reduce Energy Losses in the Contralateral Leg During Galt	Tatarski Davidson	Tatarski Davidson	415 125
				Tammy Bush &	Mass added to a running-specific prosthesis increases metabolic power during running ability to Predict Perturbation Timing Does Not Impact Center-of-Mass Displacement in Below-Knee Prosthesis Users and Controls	Alcantara Major	Alcantara Major	572 189
Prosthetics	Friday, Aug. 10	11:30-13:00	Thematic	Josh Roth	Comparison of Modular and Rigid Societ Systems for Lower Limb Amputees: A Preliminary Study Coordination of Forotal-slane Balance Durine Rama Walking in Resones to Prosthetic Ankle Power	Pew Pickle	Pew Pickle	294 492
					MEDIAL-LATERAL GAIT STABILITY IN PEOPLE WITH TRANSTIBIAL. AMPUTATION ACROSS WALKING SPEEDS BIOMECHANICAL EVALUATION OF MINIMALLY INVASIVE STABILIZATIONS OF PELVIS WITH ACETABULAR LESION	Wedge Wang	Wedge Tutton	601 28
					Sensitivity of Hip Loading to Periacetabular Osteotomy Reorientation Septiativity of Hip Loading to Periacetabular Osteotomy Reorientation Septiation of Walking Speed with Gait Mechanics Following Total Ankle Arthropiasty	Gaffney Queen	Gaffney Queen	123 104
Joint Replacements	Saturday, Aug. 11	09:30-11:00	Podium	Marianna Kersh	Effect of Radial Head Excision and Achilles Radiocapitellar Disc Arthroplasty on Joint Contact Pressures	O'Driscoll Roth	Ramazanian Roth	328 479
					How Does Internal-External Rotation of the Femoral Component in TKA Change Patellofemoral Biomechanics During Stair Ascent? Gree Biomechanics During Uphil Walling in Oider Adults With and Without TRR PPERE MIA BIOTIC FORTIONED CURRING ACTIVITIES OF BAILY LIVING TO STAND THE PROPER STAND TO STAND THE PROPERTY OF TH	Wen Vidt	Wen Vidt	479 395 102
	fatur 1	00.00		Missy Morrow	Postural Influences on Regional Supraspinatus and Infraspinatus Activation in Isometric Arm Elevation Efforts Shoulder Kinematics and Supraspinatus Proximity During Level and Simulated Ramp Propulsion	Dickerson Cloud	Alenabi Cloud	589 512
Arm 1	Saturday, Aug. 11	09:30-11:00	Thematic	& Stephen Cain	Anterior/Posterior Supraspinatus Indwelling EMG Changes through Shoulder Motions Cumulative Shoulder Impingement During Free-Living Manual Wheelchair Propulsion	Dickerson Fortune	Cudlip Fortune	286 424
					Maximal Voluntary Isometric Contraction Prescription for Supraspiratus and Infraspinatus Regions Effects of Dysplastic Pelvis Morphology on Hip Muscle Lines of Action, Moment Arm Lengths, and Contributions to Joint Reaction Forces	Dickerson Harris	Whittaker Song	581 154
	Caburdon A	09-30-11-00	Thematic	Allison Sheets,	Hects of Dupdastic Pelvis Marghology on Hip Muscle Lines of Action, Moment Arm Leagths, and Contributions to Joint Reaction Forces Cross Recurrence Quantification Analysis of Hip Marche E MIG Coupling During Step Downs	Hollman Li	Hollman Li	186 653
reg 1	Saturday, Aug. 11	05.30-11:00	emiatic		Evaluation of an Active Unloader Brace for Medial Knee Osteoarthritis mpact of Exercise-Induced Palan on Tibiofemoral Contact Forces in Knee OA	Steiner	Reinsdorf Steiner	676 225
				Lise Worthen-	Muscle Activity during Sidelying Hip Abduction: A Biomechanical Analysis ELECTROMYOGRAPHIC ASSESSMENT OF THE SHOULDER MUSCULATURE DURING PASSIVE REHABILITATION EXERCISES	Lewis Cross	Yan Cross	573 91
Rehab	Saturday, Aug. 11	11:30-13:00	Podium	Chaudhari, Jessica Aviles,	REM sleep without atonia affects steady-state gait in early Parkinson's disease Walking Biomechanics in Individuals with Knee Obsearthitis Affect Quadriceps Strengthening	MacKinnon Davis	Amundsen Huffmaste Davis	453 458
Renau	Januar Usty, MUS. 11	11.50-13:00	- ouium	and James	Development of an Intervention-Focused Metric of Gait Balance Internal Representation of External Patient Dynamics During Locomotor Rehabilitation	Dean Hasson	Dean Goodman	390 344
				Schmiedeler	Relationship Between Number of Physical Therapy Visits and Galls Related Outcomes in Patients with Below-Knee Amputation MIG Analysis of an Upper Body Exceletion during Autonotive Assembly Third Number of Patients of Control of Patients (No. 1997) And Without Chronic Low Back Pain Third Muscle Force And Spania Loads Visible Walking in Persons With Lower Limb Amputation Both With And Without Chronic Low Back Pain	Stewart Gillette	Stewart Gillette	480 236
Spine & Trunk	Saturday, Aug. 11	11:30-13:00	Podium	Kristin Zhao &	Skill Training vs. Strength and Flexibility Exercise in People with Chronic Low Back Pain	Butowicz Hooker	Acasio Hooker	373 336
aprile or 1700K	Jesus tisty, MUS. 11	11.50-13:00	-ouium	Beth Cloud	Effects of Lower Back and Hip Morphology on Walking Kinematics Oriect Comparison of Kinetics And Lumbar Holosion in Barbell Back Souats And Deadlifts	Johnson Lanovaz	Johnson Lanovaz	560 419
					Evaluating the Severity of Adult Spinal Deformity using Timed-Up and Go NCREASE IN MEDIAN NERVE LONGITUDINAL MOBILITY BY TRANSVERSE WRIST COMPRESSION IN PATIENTS WITH CARPAL TUNNEL SYNDROME	Smith Li	Smith Yao	692 53
	Saturday, Aug. 11	11:30-13:00	Thematic	Brooke Slavens & Omid	Musculokeletal Model-Based Control Performance is Consistent Across Static Upper Limb Postures Mapping Together Thumb Kinetic and Kinematic Function	Crouch Drost	Crouch Drost	370 417
Arm 2	Saturuay, Aug. 11	11.50-13:00	inematic	& Omid Jahanian	Fask characteristics affect motor adaptation to muscle assistance becomposed Betcorrowgcraphy Predicts Clinical Assessment of Finger Extensor Weakness	Lee Schilaty	Nguyen Schilaty	445 145
					Role of Cognitive Agency in Reach-to-Grasp Movement Performance	Nataraj Paquette	Shah Majaj	147 404 144
	Fabru 1			Stacie Ringleib	INCLUSING OF LIFETIME RUNNING EXPOSURES ON ANKLE KINETICS AND PLANTARFLEXOR MORPHOLOGY ubdalar Kinematics After Tibiotials Arthrodesis Tature-Based Suprivated Learning Framework for Morphology of Plantar Soft Tissue	Lenz Brady	Lenz Brady	637
Leg 2	Saturday, Aug. 11	11:30-13:00	Thematic	& Erica Bell	Force, Displacement, and Work Profiles of Structures Distal to the Shank Anide Kinematics Vary with the Number of Segments in Multi-Segment Foot Models	Hedrick Kim	Hedrick Kim	452 323
Pre-doc and Post-doc	Caburdon A	14:00-14:30	Podium	Michelle Sabick	Robotic Approach to Characterize Altered Ankle Mechanics Affected by Stroke and Multiple Sclerosis In Situ Calibration of the Tendon Shear Wave Speed-Stress Relationship	Lee Martin	Nalam Martin	220 425
Pre-doc and Post-doc	Saturday, Aug. 11	14300-14:30	rodium	Micheile Sabick	dentifying Biomechanical Wrist Impairments with Machine Learning: A Feasibility Study	Nichols Chadwick	Nichols Chadwick	514
	Fabru 1				Tiblas Cross-Sectional Roundness is Related to Ambulation, but Not Age, in Children with Myelomeningocele stratistical, SHAPE MODELING TO ESTIMATE CORDINATE SYSTEMS FOR PARTIAL CAPITATE MODELS Effect of Brachial Places Birth Pijory Location on Altered Glenohumeral Microstructure	Akbari Shandiz Fawcett	Akbari Shandiz Fawcett	79 538 517
Bone	Saturday, Aug. 11	16:00-17:30	Podium	Karen Troy	Characterization of Glenoid Basseplate Fixation in the Presence of Ottoopenic Bone Bewood Ground Reaction Forces: Towards Wearshale Tech to Monitor Bone Loading and Prevent Injury	Hast Matijevich	Hast Matijevich	170 397
					STATISTICAL SHAPE MODELING APPROACH TO PREDICT MISSING SCAPULAR BONE: APPLICATIONS IN PRE-SURGERY PLANNING AND MODELING Sex Impacts Leg Stiffness When increasing Stride Length to Run with Body Borne Load	Borotikar Lobb	Salhi Lobb	329 68
					Does Foot Strike Pattern Change During a Maximal 800-Meter Run? Differences in Running Biomechanics Between a Maximal, Minimal and Traditional Running Shoe	Farina Hannigan	Farina Hannigan	586 666
					Attenting Blome-turning to Have Transport and Attention Transport	Hoogkamer Hunter	Hoogkamer Hunter	543 597
Running	Saturday, Aug. 11	16:00-17:30	Rapid Podium	m Irene Davis	Accompander Naming Coales are Similar Autor I raining Programs I relial contact and one off event identification for treadmill running at different speeds What Determines the Metabolic Cost of Human Running Across a Wide Range of Velocities?		King Kipp	108 200
					What Deventiones are Metabolic Cost or Horizan Analising and oss a whole realige or venciones. Minimum Number of Strides to determine Stable Symmetry during Running An Exploration of Muscle Activity in Young and Older Runners and the Relationships with Running Economy The Exploration of Muscle Activity in Young and Older Runners and the Relationships with Running Economy	Murphy Schornstein	Murphy Schornstein	385 536
					Hip Work During Running Using Daily-Use and Running-Specific Prostheses ESSPARY EXPERIENCE SEQUENCE CONTRACT VARIABILITY USE BILINING	Sepp	Sepp Thompson	487 280
					REBOUNT PECIBIALS CONTROLS STRUCTURE CALL VARIABILIT I'R KOMINING I'R filliugnec of principal furning and footwar on lower streamly biomerchanics A SENSOR FUSION ALGORITHM FOR ESTIMATING CENTER OF MASS KINEMATICS IN HUMAN WALKING AFTER SPINAL CORD INJURY	Weir Audu	Weir Audu	416 110
				Mary Rodgers	A SENSIN FUNDING ACCOUNT INFO OF SET MINITAL CENTER OF MORE MEMBERAL IS. IN HUMAN WALKING AFTER SPINAL CURU INJURY ************************************	Cain Goodwin	Cain Goodwin	256 120
Sensors	Saturday, Aug. 11	16:00-17:30	Thematic	& Marisa Papp	Predicting Ground Reaction Forces with Accelerometers and Artificial Neural Networks	Miller Potter	Miller Potter	253
					Effect of Foot-mounted IMU Design on IMU estimated Running Galt Accuracy readbilly of Using the HTL CVIE's System to Collect Xinematic Data REDICTION OF ACL STRAIN LINGER NON CONTACT SYRET-LOADING CONDITIONS: A DYNAMIC FINITE ELEMENT ANALYSIS	Spitzley Erbulut	Spitzley Erbulut	346 362 309
The ACL				Michelle Sabick	PRECOLL TO BY OF ACL STRAIN GUIDEN NOW. THE STRAIN GUIDEN CONTINUES A DETENDING FROM THE EXEMBNET AND ACT STRAIN GUIDEN G	Hale Park	Hale Kim	66 249
	Saturday, Aug. 11	16:00-17:30	Thematic	& Anthony Vicini	ncreased Anterior Tibial Acceleration Measured during ACL Injury Trial	Navacchia	Navacchia	128
THE ACC					Mechanical Properties of Pediatric ACLs and Tendons Used for Reconstruction ACL Loading During Unilateral Landing is Correlated to Dorsifiexion Range of Motion	Weinhandl	Schmidt Weinhandl	219