

ISBS 2018 Auckland Conference Schedule

KEY:

Day and date	50th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018	Sessions Themes:
Social events or workshops or applied sessions	WG403 (#384 theatre A) WG126 (#140 theatre B) WA220 (#220 theatre C) WG404 (#95 theatre D)	Swimming Running Cycling Shoes Gym sports Motor control Implement sports Boat sports Combat Football codes Stronger Muscle Injury prevention Rehabilitation Technology/equipment Methods Other
KEYNOTES		
"Pass the Olympic Baton" Oral Poster Pitch sessions - 1 minute talk		
1 min rolling orals in four lecture theatres with 1 minute transition between speakers sitting in groups of five at the panel tables Delegates please stand next to your digital poster during the poster session during morning tea/coffee break Podium groups please report to the Chair 10 minutes prior to the session, and take your position at the speaker panel tables Samsung screen # for digital poster sessions indicated by letters A to Q. Two people per screen, 5 minute rotations for 1 hour.		
"Olympic Heats" Podium oral sessions - 10 minutes talk		
10 min podium orals in four lecture theatres with speaker panel questions after all presenters have spoken Speakers please sit at speaker panel table during whole 55 minute session, except when you are speaking for 10 minutes at podium. Speakers please report to the Chair 10 minutes prior to the session starting, and take your position at the speaker panel table.		
"Olympic Finals" Oral Poster Pitch and Podium Oral New Investigator Award Finalists		
Repeat of earlier semi-finalist presentation		

Proceedings number ISBS ID#

PRE CONFERENCE E-MAGAZINE INFORMATION

290 eMag#1	ISBS 2018 Conference Magazine 1 April 2018	1638
291 eMag#2	ISBS 2018 Conference Magazine 2 June 2018	1639
292 eMag#3	ISBS 2018 Conference Magazine 3 July 2018	1640
293 eMag#4	ISBS 2018 Conference Magazine 4 August 2018	1641
294 eMag#5	ISBS 2018 Conference Magazine 5 September 2018	1642

MONDAY 10th September 2018

289 09:00-13:00	Teachers Education day at AUT Millennium	1637
276 09:00-13:00	Academic workshops	1624
277 15:00-16:00	Opening ceremony	1625

Monday 10th Sept

Keynote 1 WG403 (#384 theatre A)	Chair: Young-Hoo Kwon	Texas Womans University						
16:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
1 16:00-16:50	K1	Geoffrey Dyson Lecture	Hermann Schwameder	University of Salzburg, Austria	MOVING ON SLOPES: ISSUES AND CHALLENGES FROM A BIOMECHANICAL PERSPECTIVE	Hermann.Schwameder@sbg.ac.at	1607	

278 17:00-20:00 **Kiwiana opening reception and industry partner playing field event** 1626

TUESDAY 11th September 2018

279 7:00-7:50 **ISBS Student mentor breakfast** 1627

Tuesday 11th Sept

Podium oral session 1 WG403 (#384 theatre A)	Chair: Sarah Breen	Northern Michigan University						
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
2 8:01-8:11	O1.1	Running	Philip Graham-Smith	Aspire Academy, Qatar	ASSESSMENT OF DECELERATION ABILITY AND RELATIONSHIP TO APPROACH SPEED AND ECCENTRIC STRENGTH	philip.grahamsmith@aspire.qa	1394	
3 8:12-8:22	O1.2	Running	Matteo Zago	Department of Electronics, Information and Bioengineering, Politecnico di Milano	FATIGUE ALTERS THE BIOMECHANICS OF TURNS WHILE RUNNING	matteo2.zago@polimi.it	1326	
4 8:23-8:33	O1.3	Running	Ceri Diss	University of Roehampton, London	LOWER LIMB TRI-JOINT SYNCHRONY DURING RUNNING: A LONGITUDINAL AGE-BASED STUDY	c.diss@roehampton.ac.uk	1468	
5 8:34-8:44	O1.4	Running	Laura-Anne Furlong	Loughborough University	KINEMATIC ASYMMETRY DURING A 30-MINUTE HIGH INTENSITY RUN	l.a.m.furlong@lboro.ac.uk	1581	
8:45-8:55	<i>Questions</i>							

Tuesday 11th Sept

Podium oral session 2 WG126 (#140 theatre B)	Chair: Bridget Munro	Nike						
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
6 8:01-8:11	O2.1	Technology/equipment	Gerda Strutzenberger	University of Salzburg	<i>Presentation deleted at request of author post conference</i>	gerda.strutzenberger@sbg.ac.at	1432	
7 8:12-8:22	O2.2	Technology/equipment	Elizabeth Bradshaw	Deakin University	IMPACT LOAD MONITORING USING INERTIAL MEASUREMENT UNITS ON DIFFERENT VISCOELASTIC SPORT SURFACES: A TECHNICAL REPORT	liz.bradshaw@deakin.edu.au	1507	
8 8:23-8:33	O2.3	Technology/equipment	Timothy Exell	University of Portsmouth, UK	BREAST MOVEMENT ASYMMETRY DURING RUNNING: IMPLICATIONS ON BREAST SUPPORT	tim.exell@port.ac.uk	1576	
9 8:34-8:44	O2.4	Technology/equipment	Kostas Gianikellis	BioErgon Research Group, University of Extremadura, Spain	ON THE UNCERTAINTY OF MEASUREMENTS CONCERNING THE CENTER OF PRESSURE SIGNALS	kgiannik@unex.es	1422	
8:45-8:55	<i>Questions</i>							

Tuesday 11th Sept

Podium oral session 3 Chair: 36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018
 WA220 (#220 theatre C)

8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
8:01-8:11	O3.1	Motor control	Chenfu Huang	National Taiwan Normal University	THE BENEFITS OF TAI-CHI EXERCISE ON BALANCE CONTROL IN ELDERLY DURING STAIR-TO-FLOOR TRANSITION	huangchenfu@gmail.com	1471
8:12-8:22	O3.2	Motor control	Eric Slattery	Miami University, Oxford	USE OF NONLINEAR MEASURES TO COMPARE ATHLETE POSTURAL SWAY DYNAMICS	slatteew@miamioh.edu	1355
8:23-8:33	O3.3	Motor control	Bill Baltzopoulos	Liverpool John Moores University	DYNAMIC GEAR RATIO IN CHILDREN AND ADULTS DURING WALKING AND IMPLICATIONS FOR MUSCLE MECHANICAL EFFICIENCY	v.baltzopoulos@ljmu.ac.uk	1586
8:34-8:44	O3.4	Motor control	Kevin Stein	Heidelberg University	CENTER OF PRESSURE AND JOINT TORQUE ESTIMATION FOR SINGLE LEG SLACKLINE BALANCING USING MODEL-BASED OPTIMIZATION	kevin.stein@ziti.uni-heidelberg.de	1561
8:45-8:55	Questions						

Tuesday 11th Sept

Podium oral session 4 Chair: Justin Keogh Bond University
 WG404 (#95 theatre D)

8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
8:01-8:11	O4.1	Implement sports	Luqman Aziz	Singapore Sport Institute	IMPLICATION TO PERFORMANCE AND INJURY RISKS: THE KINEMATICS AND KINETICS INVOLVED IN THE EXECUTION OF THE DRAG FLICK BETWEEN ELITE AND SUB-ELITE FIELD HOCKEY PLAYERS.	luqmanaziz.research@gmail.com	1459
8:12-8:22	O4.2	Implement sports	Tokio Takagi	Japan Institute of Sports Science	JOINT MOTIONS AFFECTING THE ENERGY TRANSFER TO THE CLUB DURING THE GOLF SWING	tokio.takagi23@gmail.com	1414
8:23-8:33	O4.3	Implement sports	Marcus Lee	Singapore Sport Institute	DIFFERENCES IN THE MECHANICS OF ELITE TEN-PIN BOWLERS WHEN PERFORMING UNDER VARYING LEVELS OF ANXIETIES	mljc82@yahoo.com	1393
8:34-8:44	O4.4	Implement sports	Samantha Birse	School of Allie Health, La Trobe University	DIFFERENCES IN ACCURACY AND CONSISTENCY IN ELITE LAWN BOWLERS	s.birse@latrobe.edu.au	1512
8:45-8:55	Questions						

Tuesday 11th Sept

Poster oral 1 WG403 Chair: Wolfgang Potthast German Sport University
 (#384 theatre oral A)

9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
9:02	P1.1 - A	Shoes	Wataru Yoshida	University of Fukuoka	EFFECT OF SHOE INSOLES ON BACK STRENGTH	watags130247@gmail.com	1558
9:04	P1.2 - A	Shoes	Tsung-Lin Lu	Bridgewater State University	KINETIC ANALYSES OF E-TPU MATERIAL IN BOWLING FOOTWEAR	tlu@student.bridgew.edu	1440
9:06	P1.3 - B	Shoes	Laura Charalambous	University of Bedfordshire, UK	EFFECTS OF MIDSOLE THICKNESS ON SINGLE LEG DROP LANDING GROUND REACTION FORCE AND DYNAMIC STABILITY	laura.charalambous@beds.ac.uk	1565
9:08	P1.4 - B	Shoes	Shuping Li	Hubei University	A FUNCTION STUDY OF A NEW DIABETIC FOOT SHOES	s_p_li@sina.cn	1442
9:10	P1.5 - D	Other	Yoichi Iino	The University of Tokyo	EFFECT OF MECHANICAL PROPERTIES OF THE LOWER LIMB MUSCLES ON MUSCULAR EFFORT DURING TABLE TENNIS FOREHAND	iino@idaten.c.u-tokyo.ac.jp	1570
9:12	P1.6 - D	Other	Bjoern Braunstein	German Sport University Cologne	METHOD EVALUATION TO DETERMINE HYDRATION STATES OF TENDONS BY USING MRI	braunstein@dshs-koeln.de	1596
9:14	P1.7 - E	Other	Ashlyn Jendro	Northern Michigan University	SYNCHRONIZATION AND TOWING EFFECT ON ADULT ONE-DOG CANICROSS PERFORMANCE	ajendro@nmu.edu	1491
9:16	P1.8 - E	Other	ChengTu Hsieh	California State Univeristy, Chico	TIME NEEDED FOR UNDERGRADUATE BIOMECHANICS EXAMS	cthsieh@csuchico.edu	1341
9:18	P1.9 - C	Other	Duane Knudson	Texas State University	PROFILES OF YOUNG SCHOLAR AWARD WINNERS IN BIOMECHANICS	dk19@txstate.edu	1309
9:20	P1.10 - C	Shoes	Motohide Arayama	Graduate School of University of Fukuoka	DEVELOPMENT OF A COMPREHENSIVE MEASUREMENT SYSTEM OF SHOE INSOLES ON DYNAMIC HUMAN ACTION	arayama@dreamgp.jp	1518

Tuesday 11th Sept

Poster oral 2 WG126 Chair: Aki Salo University of Bath
 (#140 theatre oral B)

9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
9:02	P2.1 - F	Running	Ayako Higashihara	Faculty of Sport Sciences, Waseda University	THE KINEMATICS OF OVERGROUND SPRINTING IN TRACK AND FIELD ATHLETES WITH PREVIOUS HAMSTRING INJURIES	higashihara@aoni.waseda.jp	1411
9:04	P2.2 - F	Running	Soma Saito	Biwako Seikei Sport College	IMMEDIATE EFFECT OF RUNNING OVER FLAT MARKERS TO IMPROVE STRIDE FREQUENCY	saitou@bss.ac.jp	1352
9:06	P2.3 - G	Running	Philip Graham-Smith	Aspire Academy, Qatar	KINETIC COMPARISON OF THE SPRINT STARTS BETWEEN YOUTH AND SENIOR ELITE ATHLETES	philip.grahamsmith@aspire.qa	1395
9:08	P2.4 - G	Running	Ross Tugwood	Swansea University	VARIABILITY IN THE STEP CHARACTERISTICS OF INTERNATIONAL-LEVEL SPRINTERS DURING THE ACCELERATION PHASE	ross.tugwood@eis2win.co.uk	1416
9:10	P2.5 - H	Running	Neil Bezodis	Swansea University, UK	ACUTE SPATIOTEMPORAL AND MUSCLE EXCITATION RESPONSES TO WEARABLE LOWER LIMB LOADING DURING MAXIMAL VELOCITY SPRINTING	n.e.bezodis@swansea.ac.uk	1567
9:12	P2.6 - H	Running	Ian McQuate	Nova Southeastern University	GAIT PATHOMECHANICS AS DIFFERENTIATORS OF PERFORMANCE IN COLLEGIATE DISTANCE RUNNERS: A TEAM CASE ANALYSIS	im348@mynsu.nova.edu	1438

34	9:14	P2.7 - I	Running	Yasuo	Shinohara	Institute for General Education, Ritsumeikan University	DIFFERENCE IN ACCELERATION PATTERNS IN TWO START TECHNIQUES: CROUCH AND STAMPS	y-shino@fc.ritsumeai.ac.jp	1508
36th Conference of the International Society of Biomechanics in Japanese Sports, Auckland, New Zealand, September 10-14, 2018									
35	9:16	P2.8 - I	Running	Kazuhiro	Ishimura	International Pacific University	KINEMATICS AND KINETICS OF SWING LEG IN CURVED SPRINT RUNNING	k.ishimura@ipu-japan.ac.jp	1582
36	9:18	P2.9 - J	Running	Kyung-Ryoul	Mun	Korea Institute of Science and Technology	A MACHINE-LEARNING-BASED GAIT ESTIMATION FROM THE FOOT ARCH PARAMETERS MEASURED BY A FOOT SCANNING SYSTEM	krmoon02@gmail.com	1426

Tuesday 11th Sept										
Poster oral 3 WA220 (#220 theatre oral C)		Chair:	Alex Ong	Republic Polytechnic						
9:00 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#		
37	9:02	P3.1 - J	Implement sports	Hye-Young	Kim	Korea National Sport University	OPTIMAL REGRESSION MODEL FOR PREDICTING THE WINNING GAME AND CONTRIBUTING FACTORS IN ICE HOCKEY WORLD CHAMPIONSHIP	hmm95@gmail.com	1423	
38	9:04	P3.2 - K	Implement sports	SeungKyo	Jin	University of Science & Technology, KISTI	ICE HOCKEY DATABASE SCHEMA DESIGN: FOR NATIONAL TEAM'S BIOMECHANICAL ANALYSIS	t4716@naver.com	1460	
39	9:06	P3.3 - K	Implement sports	Joo-Nyeon	Kim	Korea National Sport University	COORDINATIVE PATTERNS BETWEEN CARVING TURN AND SKIDDING TURN DURING ALPINE SKIING	jnkim@knsu.ac.kr	1368	
40	9:08	P3.4 - L	Implement sports	Kei	Maeda	Graduate School of Comprehensive Human Sciences, University of Tsukuba	COMPARISON OF WORLD ELITE AND JAPANESE ELITE THROWERS IN THE DISCUS THROW	zx400n.95k@gmail.com	1427	
41	9:10	P3.5 - L	Implement sports	Karen	Roemer	Central Washington University, USA	INFLUENCE OF TRUNK MODEL DOF ON SHOULDER KINEMATICS IN JAVELIN THROWING - A CASE STUDY	karen.roemer@cwu.edu	1480	
42	9:12	P3.6 - M	Implement sports	Masatoshi	Murakami	Osaka Sangyo University	RELATION BETWEEN RELEASE PARAMETERS AND THROWING DISTANCE OF THE JAVELIN THROW	murakami@spo.osaka-sandai.ac.jp	1454	
43	9:14	P3.7 - M	Implement sports	Rinri	Uematsu	University of Tsukuba	MID-GRIP FORCES AND MOMENTS ESTIMATED FROM POLE DEFORMATION IN POLE VAULTING	polevault510@gmail.com	1514	
44	9:16	P3.8 - N	Implement sports	Gretchen	Oliver	Auburn University	PITCHING MECHANICS AND PAIN HISTORY IN COLLEGIATE SOFTBALL PITCHERS	goliver@auburn.edu	1332	
45	9:18	P3.9 - N	Implement sports	Yasuto	Kobayashi	Sakushin Gakuin University	CLASSIFICATION OF OVERARM THROWING MOTION IN JAPANESE ELEMENTARY SCHOOL GIRLS	kyasuto@sakushin-u.ac.jp	1533	

Tuesday 11th Sept									
Poster oral 4 WG404 (#95 tiered oral D)		Chair:	Lisa McDonnell	Auckland University of Technology					
9:00 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
46	9:02	P4.1 - O	Boat sports	Esteban	Aedo-Muñoz	Physical Activity, Sport and Health Sciences Laboratory, Universidad de Santiago	THE EFFECTS OF 21 DAYS HYPOXIA ON ELECTROMYOGRAPHIC ACTIVITY VARIATION IN ROWERS PRE AND POST-ALTITUDE.	estebanaedo@gmail.com	1371
47	9:04	P4.2 - O	Boat sports	Steffen	Willwacher	German Sport University Cologne, Cologne	BACK MUSCLE FATIGUE MIGHT LEAD TO ALTERNATED SPINE LOADING IN RECREATIONAL ERGOMETER ROWING	s.willwacher@dshs-koeln.de	1392
48	9:06	P4.3 - P	Boat sports	Jon	Schofield	University of Lincoln	RELIABILITY OF DIFFERENT METHODS OF DETERMINING INDIVIDUAL INTER-STROKE INTERVALS IN SPRINT KAYAKING	joschofield@lincoln.ac.uk	1542
49	9:08	P4.4 - P	Technology/equipment	Julian	Fritz	Department of Sport Science and Kinesiology, University of Salzburg	BIOMECHANICAL PERFORMANCE DIAGNOSTICS: CONCEPTS AND APPLICATIONS IN SKI-JUMPING	julian.fritz@sbg.ac.at	1527
50	9:10	P4.5 - Q	Technology/equipment	Sang	Won Bae	Global Teun-Teun Hospital	EVALUATION OF CALF MUSCULAR FUNCTION DURING THE RECOVERY PHASE AFTER THE REPAIR OF AN ACHILLES TENDON RUPTURE	yodeo@naver.com	1357
51	9:12	P4.6 - Q	Technology/equipment	Mahalie	Hargis	Marshall University	EXAMINING THE RELIABILITY AND VALIDITY OF THE FITBIT® CHARGE 2™ ON STEP COUNT DURING TREADMILL EXERCISE	hargis8@marshall.edu	1384
52	9:14	P4.7 - R	Other	Nahoko	Sato	Nagoya Gakuin University	RELIABILITY OF THE EVALUATION OF HUMANOID ANIMATION AS A VISUALIZING TOOL IN HIP-HOP DANCE	nsato@ngu.ac.jp	1400
53	9:16	P4.8 - R	Other	Jan	Votava	Czech Technical University in Prague	PREDICTORS OF BOULDER CLIMBING PERFORMANCE IN YOUTH BOULDER CLIMBERS	jan.votava@fs.cvut.cz	1595

Tuesday 11th Sept									
Podium oral session 5 WG403 (#384 theatre A)		Chair:	Gerda Strutzenberger	University of Salzburg					
10:30 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
54	10:31-10:41	O5.1	Running	Helen	Bayne	University of Pretoria	FORCE-VELOCITY-POWER PROFILES OF ELITE SPRINTERS: INTER-AND INTRA-INDIVIDUAL DETERMINANTS OF PERFORMANCE	helen.bayne@up.ac.za	1470
55	10:42-10:52	O5.2	Running	Aki	Salo	University of Bath	CHANGES IN SPRINT START PERFORMANCE DUE TO VARIATION IN BLOCK PEDAL ANGLES ON NON-EXPERIENCED, BUT COACHED PARTICIPANTS	a.salo@bath.ac.uk	1554
56	10:53-11:03	O5.3	Running	Yasushi	Enomoto	University of Tsukuba	CHANGES IN RUNNING SPEED AND STEP VARIABLES MEASURED BY INERTIAL SENSORS DURING MARATHON	enomoto.yasushi.ft@u.tsukuba.ac.jp	1589
57	11:04-11:14	O5.4	Running	Ryu	Nagahara	National Institute of Fitness and Sports in Kanoya	KINETICS OF SINGLE SESSION INTRA-INDIVIDUAL DIFFERENCE IN SPRINT ACCELERATION: A CASE STUDY	nagahara@nifs-k.ac.jp	1390

Podium oral session 6 WG126 (#140 theatre B)		Chair:	Boris Basic	Auckland University of Technology	Co-Chair	John Barden	University of Regina	36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018		
10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#			
58	10:31-10:41	06.1	Technology/equipment	Daniel	Glassbrook	Macquarie University, Sydney, Australia	THE SYMMETRY ANGLE IDENTIFIES LESS CLINICALLY RELEVANT INTER-LIMB ASYMMETRIES THAN THE SYMMETRY INDEX IN HEALTHY ADULTS	daniel.glassbrook@mq.edu.au	1409	
59	10:42-10:52	06.2	Technology/equipment	Keizo	Takahashi	Biwako Seikei Sport College	KINEMATIC AND TEMPORAL CHANGES OF SLIDE STEP DELIVERIES OF BASEBALL PITCHERS DUE TO TECHNICAL TRAINING AIMING TO SHORTEN THE MOTION TIME	takahashi-ke@bss.ac.jp	1464	
60	10:53-11:03	06.3	Technology/equipment	Jeroen	van der Eb	Vrije Universiteit Amsterdam	COMPETITION ANALYSIS OF SPEED SKATING USING IMU'S	j.w.vander.eb@vu.nl	1552	
61	11:04-11:14	06.4	Technology/equipment	Kristof	Kipp	Marquette University	PREDICTING NET JOINT MOMENTS DURING A HANG-POWER CLEAN FROM GROUND REACTION FORCES WITH A NEURAL NETWORK	kristof.kipp@marquette.edu	1333	
	11:15-11:25	Questions								

Podium oral session 7 WA220 (#220 theatre C)		Chair:	Cassie Wilson	University of Bath	Tuesday 11th Sept						
10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#				
62	10:31-10:41	07.1	Motor control	Hannah	Wyatt	University of Massachusetts Amherst	WHOLE-BODY CONTROL STRATEGIES DURING ANTICIPATED AND UNANTICIPATED SIDESTEP MANOEUVRES PERFORMED BY FEMALES AND MALES	hw Wyatt@umass.edu	1486		
63	10:42-10:52	07.2	Motor control	Olivia	Perrin	Northern Michigan University	CHANGES IN GAIT AND COORDINATION VARIABILITY IN PERSONS WITH MULTIPLE SCLEROSIS FOLLOWING A REHABILITATION PROGRAM	operrin@nmu.edu	1574		
64	10:53-11:03	07.3	Motor control	Kerry	Mann	Charles Sturt University	CAN WE ALTER YOUTH ATHLETE'S LANDING STRATEGY IN A STOP-JUMP MOVEMENT?	kmann@csu.edu.au	1499		
65	11:04-11:14	07.4	Motor control	Wesley	Verhoeff	Unitec	CONSTRAINTS-LED APPROACH TO COACHING THE POWER CLEAN	wesley.verhoeff@unitec.ac.nz	1611		
	11:15-11:25	Questions									

Podium oral session 8 WG404 (#95 theatre D)		Chair:	Ian Sujae	Republic Polytechnic	Tuesday 11th Sept						
10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#				
66	10:31-10:41	08.1	Implement sports	Denny	Wells	Auckland University of Technology, New Zealand	UPPER LIMB JOINT ANGLES DID NOT DISTINGUISH SUCCESS OF THROW FOR A PROFESSIONAL DARTS PLAYER: PILOT CASE STUDY	denny.wells@aut.ac.nz	1549		
67	10:42-10:52	08.2	Implement sports	Yu	Song	Beijing Sports University	A BIOMECHANICAL ANALYSIS OF THE UPPER LIMB ON DIFFERENT SNOOKER BATTING TECHNIQUES	songyusybil@163.com	1391		
68	10:53-11:03	08.3	Implement sports	Yulin	Zhou	Beijing Sport University	THE INFLUENCE OF COORDINATION BETWEEN UPPER LIMBS' JOINTS ON SPORT LEVEL IN SNOOKER	981293530@qq.com	1448		
69	11:04-11:14	08.4	Implement sports	Yallini	Selva	National Sports Institute of Malaysia	MALE AND FEMALE ELITE MALAYSIAN AIR RIFLE SHOOTER: A PRELIMINARY STUDY	yalliniselva89@gmail.com	1366		
	11:15-11:25	Questions									

Keynote 2 WG403 (#384 theatre A)		Chair:	Jacqueline Alderson	University of Western Australia	Tuesday 11th Sept						
11:40 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#				
70	11:40-12:50	K2	Sports Technology Keynote Lecture	Mounir	Zok	Managing Director of N3XT Sports Inc	THE RISE OF THE SUPER-ATHLETES, AND WHY THERE IS NO TURNING BACK	mounir.zok@gmail.com	1621		

Podium oral session 9 WG403 (#384 theatre A)		Chair:	Anna Lorimer	Bond University	Tuesday 11th Sept						
14:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#				
71	14:01-14:11	09.1	Running	Erin	Feser	Auckland University of Technology	THE EFFECT OF LOWER LIMB WEARABLE RESISTANCE LOCATION ON SPRINT RUNNING STEP KINEMATICS	erinfeser@gmail.com	1435		
72	14:12-14:22	09.2	Running	Roland	Van den Tillaar	Nord University	COMPARISON OF STEP-BY-STEP KINEMATICS OF NORMAL AND ASSISTED 60 M SPRINTS WITH DIFFERENT LOADS IN EXPERIENCED SPRINTERS	roland.v.tillaar@nord.no	1431		
73	14:23-14:33	09.3	Running	Cui	Zhang	Shanghai University of Sport, Shanghai, People's Republic of China	EFFECTS OF SHANK MASS MANIPULATION ON LANDING AND TAKEOFF TECHNIQUES IN SPRINTING	gracejoyzc@163.com	1380		
74	14:34-14:44	09.4	Running	Jonathan	Holmes	University of Limerick	A METHOD COMPARISON STUDY OF ACCELEROMETER BASED BLOCK RESPONSE TIMES IN SPRINTING	jonathan.holmes@ul.ie	1436		
	14:45-14:55	Questions									

Podium oral session 10 WG126 (#140 theatre B)		Chair:	Michael McGuigan	Auckland University of Technology	Tuesday 11th Sept						
14:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#				

75	14:01-14:11	O10.1	Stronger	Nihat	Özgören	Hacettepe University	DEVELOPMENT OF A REAL TIME FEEDBACK CONTROL SYSTEM FOR KNEE JOINT DURING	nihat@hacettepe.edu.tr	1590
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76	14:12-14:22	O10.2	Stronger	Ian	Bezodis	Cardiff Metropolitan University	A COMPARISON OF HIP JOINT KINETICS DURING THE BARBELL HIP THRUST, DEADLIFT AND BACK SQUAT	ibezodis@cardiffmet.ac.uk	1419
77	14:23-14:33	O10.3	Stronger	Bryan	Christensen	North Dakota State University--Fargo	THE EFFECTS OF SUSPENDED WEIGHT RESISTANCE ON AGILITY IN COLLEGIATE ATHLETES	bryan.christensen.1@ndsu.edu	1494
78	14:34-14:44	O10.4	Stronger	Matt	Brughelli	Auckland University of Technology	EFFECTS OF VEST LOADING ON SPRINT KINETICS AND KINEMATICS	matt.brughelli@aut.ac.nz	1616
	14:45-14:55	Questions							

Tuesday 11th Sept									
Podium oral session 11		Chair:	Kristof Kipp	Marquette University					
WA220 (#220 theatre C)									
	14:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
79	14:00-14:10	O11.1	Motor control	Wei Sun	Shandong Institute of Sport Science, People's Republic of China	DETRAINING EFFECTS OF TAI CHI ON STATIC BALANCE IN OLDER WOMEN	sunwei841024@163.com	1382	
80	14:11-14:21	O11.2	Motor control	Qipeng Song	Shandong Institute of Sport Science	TAI CHI INCREASED BODY STABILITY AMONG THE ELDERLY UNDER THE DUAL TASK CONDITION DURING STAIR ASCENT	songqipeng@163.com	1347	
81	14:22-14:32	O11.3	Motor control	Pui Kong	Nanyang Technological University	EFFECTS OF 6-WEEK TRAMPOLINE TRAINING ON DYNAMIC BALANCE PERFORMANCE	puiwah.kong@nie.edu.sg	1365	
82	14:33-14:43	O11.4	Motor control	Stephanie Moore	Northern Michigan University	JOINT COORDINATION ADAPTATIONS TO AN IMPLEMENTED RAMP ANGLE IN RECREATIONAL ALPINE SKIERS	stepmoor@nmu.edu	1560	
	14:44-14:55	Questions							

Tuesday 11th Sept									
Podium oral session 12		Chair:	Kane Middleton	La Trobe University					
WG404 (#95 theatre D)									
	14:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
83	14:00-14:10	O12.1	Implement sports	Ian Harris	Sujae	Republic Polytechnic, Singapore	ESTABLISHING A METHOD TO DETERMINE IMPACT FORCE IN TENNIS WITH DIFFERENT STRING TENSIONS – A PRELIMINARY STUDY	ian_harris_sujae@rp.edu.sg	1531
84	14:11-14:21	O12.2	Implement sports	Mu-Lin Tai	National Taiwan Sport University, Taiwan	KINEMATICS ANALYSIS OF THE LOWER EXTREMITY DURING THE TWO-HANDED BACKHAND GROUNDROCK STROKE AND DRIVE VOLLEY FOR TENNIS PLAYERS	1050505@ntsua.edu.tw	1370	
85	14:22-14:32	O12.3	Implement sports	Nicholas Linthorne	Brunel University London	EFFECT OF THE TIMING OF THE POLE PLANT ON ENERGY LOSS IN THE POLE VAULT TAKE-OFF	nick.linthorne@brunel.ac.uk	1315	
86	14:33-14:43	O12.4	Implement sports	Sina David	German Sport University Cologne	CENTER OF MASS DISPLACEMENT DURING THE BADMINTON-SPECIFIC SPEED TEST	s.david@dshs-koeln.de	1597	
	14:44-14:55	Questions							

Tuesday 11th Sept									
Podium oral session 13		Chair:	Ryu Nagahara	National Institute of Fitness and Sports in Kanoya					
WG403 (#384 theatre A)									
	15:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
87	15:01-15:11	O13.1	Running	Steffi Colyer	University of Bath, United Kingdom	KINETIC FACTORS DIFFERENTIATING MID-TO-LATE SPRINT ACCELERATION PERFORMANCE IN SPRINTERS AND SOCCER PLAYERS	s.colyer@bath.ac.uk	1402	
88	15:12-15:22	O13.2	Running	Evan Crotty	University of Limerick, Ireland	INFLUENCE OF TRICEPS SURAE ELECTROMECHANICAL DELAY ON MOVEMENT RESPONSES IN THE SPRINT START EVENT	evan.crotty@ul.ie	1404	
89	15:23-15:33	O13.3	Running	Takahiko Sato	Ritsumeikan University, Japan	FORWARD AND FALSE STEP TECHNIQUES USED FOR SPRINT START IN A SIDEWAYS DIRECTION: WHICH IS SUPERIOR?	t-satou@fc.ritsumei.ac.jp	1571	
90	15:34-15:44	O13.4	Running	Monique Mokha	Nova Southeastern University	CONTACT TIME, FLIGHT TIME AND GROUND REACTION FORCES DURING A CONTROLLED RUNNING TRIAL OF ELITE AMERICAN FOOTBALL PLAYERS	gm588@nova.edu	1482	
	15:45-15:55	Questions							

Tuesday 11th Sept									
Podium oral session 14		Chair:	John Cronin	Auckland University of Technology	Co-Chair	Casey Watkins			
WG126 (#140 theatre B)									
	15:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
91	15:01-15:11	O14.1	Stronger	Justin Keogh	Faculty of Health Sciences and Medicine, Bond University	RELATIONSHIPS BETWEEN GRIP STRENGTH TESTS IN MALE STRENGTH SPORT ATHLETES	jkeogh@bond.edu.au	1337	
92	15:12-15:22	O14.2	Stronger	Jodie Wills	Macquarie University, Sydney	A TARGETED LOAD-CARRIAGE TRAINING PROGRAM ELICITS POSITIVE ADAPTATIONS AFTER 10-WEEKS	jodie.wills@hdr.mq.edu.au	1532	
93	15:23-15:33	O14.3	Stronger	Silvio Lorenzetti	Swiss Federal Institute of Sport Magglingen SFISM	TRACKING OF STRENGTH TRAINING: VALIDATION OF A MOTION-RECOGNITION ALGORITHM & A PILOT TOWARDS 1RM, MUSCLE LOADING AND FATIGUE INDEX USING A SMARTWATCH APP	slorenzetti@ethz.ch	1405	
94	15:34-15:44	O14.4	Football codes	Suzi Edwards	University of Newcastle	INSTEP KICK TECHNIQUE DOES NOT ALTER FOLLOWING SELF-PACED EXERCISE	suzi.edwards@newcastle.edu.au	1529	
	15:45-15:55	Questions							

Podium oral session 15 WA220 (#220 theatre C)		Chair:	Tim Ackland	University of Western Australia	Co-Chair	Eric Harbour	36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018			
15:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#			
95 15:01-15:11	O15.1	Boat sports	Catherine	Shin	University of Lincoln	DOES ISOINERTIAL ERGOMETRY PROFILING REPRESENT ON-WATER SPRINT CAPACITY IN KAYAKERS?	catherine.shin@eis2win.co.uk	1556		
96 15:12-15:22	O15.2	Boat sports	Megan	Banks	University of New England	UPPER BODY KINEMATIC ANALYSIS OF THE PADDLING STROKE IN FEMALE RECREATIONAL STAND-UP PADDLE BOARDERS	mbanks@myune.edu.au	1444		
97 15:23-15:33	O15.3	Boat sports	Sarah-Kate	Millar	Auckland University of Technology	THE DIFFERENCES IN SPINAL KINEMATICS AND LOADING IN HIGH PERFORMANCE FEMALE ROWERS DURING ERGOMETER AND ON WATER ROWING	sarahkate.millar@aut.ac.nz	1485		
98 15:34-15:44	O15.4	Swimming	Barry	Wilson	Auckland University of Technology	TECHNOLOGY FOR WITHIN STROKE ANALYSIS IN SWIMMING	barrywilsonnz@yahoo.com	1612		
15:45-15:55	Questions									

Podium oral session 16 WG404 (#95 theatre D)		Chair:	Sayumi Iwamoto	Toyo University	Tuesday 11th Sept					
15:00 Chair starts session	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#			
99 15:01-15:11	O16.1	Implement sports	Kane	Middleton	La Trobe University, Melbourne, Australia	THE INFLUENCE OF KNEE JOINT FLEXION-EXTENSION ON WRIST JOINT SPEED IN CRICKET FAST BOWLERS	k.middleton@latrobe.edu.au	1377		
100 15:12-15:22	O16.2	Implement sports	Wayne	Spratford	University of Canberra	ILLEGAL BOWLING ACTION LAWS, DO THEY REALLY MATTER?	wayne.spratford@canberra.edu.au	1534		
101 15:23-15:33	O16.3	Implement sports	Takahisa	Oguchi	Nippon Sport Science University, Tokyo, Japan	KINEMATIC ANALYSIS OF THE START FOR WORLD-CLASS SINGLE LUGE ATHLETES	takaluge@gmail.com	1473		
102 15:34-15:44	O16.4	Implement sports	Keizo	Yamamoto	Hokusho University	LOWER LIMB MOTOR FUNCTION FOR BODY ROTATION DURING BASEBALL PITCHING	kyamamoto@hokusho-u.ac.jp	1462		
15:45-15:55	Questions									

280 16:10-16:50 **SPRINZ Sport and Exercise Biomechanics Archive launch and Industry Playing** 1628

Keynote 3 WG403 (#384 theatre A)		Chair:	Jacqueline Alderson	University of Western Australia	Co-Chair:	Gareth Irwin	Cardiff Metropolitan University	Tuesday 11th Sept	
17:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#		
103 17:00-18:30	K3	Wise Wizards Keynote Panel	Patria Hume, Bruce Elliott, Joe Hammill	Walter Herzog, Juris Terauds	Auckland University of Technology	WIZE WIZARDS WORDS OF WIZDOM	patria.hume@aut.ac.nz	1622	

281 19:00-21:30 **VIP Appreciation evening** 1629

282 19:00-21:30 **Student Marae evening** 1630

WEDNESDAY 12th September 2018

Podium oral session 17 WG403 (#384 theatre A)		Chair:	Chris Whatman	Auckland University of Technology	Co-Chair:	Adrian Rodriguez Rivadulla	University of Bath	Wednesday 12th Sept	
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#		
104 8:01-8:11	O17.1	Injury prevention	Jonathan	Staynor	University of Western Australia	TRUNK MUSCLE ACTIVATION DURING PLANNED AND UNPLANNED SIDESTEPPING: IMPLICATIONS FOR FRONTAL PLANE TRUNK POSITIONING AND ACL INJURY RISK	jonathan.staynor@research.uwa.edu.au	1453	
105 8:12-8:22	O17.2	Injury prevention	Meaghan	Harris	University of Newcastle	JUMP-LANDING MECHANICS IN PATELLAR TENDINOPATHY IN ELITE JUNIOR BASKETBALL ATHLETES	meaghan.harris@uon.edu.au	1513	
106 8:23-8:33	O17.3	Injury prevention	Joe	Hamill	University of Massachusetts Amherst	THE INFLUENCE OF PATELLOFEMORAL PAIN ON COORDINATION VARIABILITY OVER A PROLONGED TREADMILL RUN	jhamill@kin.umass.edu	1492	
107 8:34-8:44	O17.4	Injury prevention	Enora	Le Flao	Auckland University of Technology	HEAD IMPACT MONITORING: WHAT NEW METHODOLOGIES COULD DO FOR CONCUSSION BIOMECHANICS	enora.leflao@aut.ac.nz	1614	
8:45-8:55	Questions								

Podium oral session 18 WG126 (#140 theatre B)		Chair:	Hiroyuki Nunome	Fukuoka University	Wednesday 12th Sept					
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#			
108 8:01-8:11	O18.1	Football codes	Victor	Lopez	Hospital for Special Surgery, NY, USA	BIOMECHANICAL CONTACT INJURY INFLUENCES IN USA MENS RUGBY-7S	victor_lopezjr@hotmail.com	1445		
109 8:12-8:22	O18.2	Football codes	Naoki	Numazu	University of Tsukuba	BIOMECHANICAL RELATIONSHIP BETWEEN THE GOALKEEPER'S MOTIONS AND THE KICKER'S MOTIONS IN SOCCER	salmon.harami0314@gmail.com	1496		
110 8:23-8:33	O18.3	Football codes	Kevin	Ball	Institute for Health and Sport, Victoria University, Melbourne, Australia	THE EFFECT OF ALTERING DISTANCE ON GOAL-KICKING TECHNIQUE IN AUSTRALIAN FOOTBALL	kevin.ball@vu.edu.au	1519		
111 8:34-8:44	O18.4	Running	Hiroyuki	Sakata	Tokyo University of Science, Chiba	RUNNING MECHANICS IN UNILATERAL TRANSFEMORAL AMPUTEES ACROSS A RANGE OF SPEEDS	h.sakata@aist.go.jp	1401		
8:45-8:55	Questions									

Podium oral session 19 WA220 (#220 theatre C)		Chair:	Peter McNair	Auckland University of Technology	36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018			
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
112	8:01-8:11	O19.1	Rehabilitation	Katelyn Varga	Lakehead University	THE EFFECT OF A SPRING LOADED CANE ON UPPER AND LOWER EXTREMITY GROUND REACTION FORCES	kdvarga@lakeheadu.ca	1358
113	8:12-8:22	O19.2	Rehabilitation	Alyssa Rebensburg	Northern Michigan University	THE EFFECT OF A NOVEL REHABILITATION PROGRAM ON WALKING PERFORMANCE IN PERSONS WITH MULTIPLE SCLEROSIS	arebensb@nmu.edu	1487
114	8:23-8:33	O19.3	Rehabilitation	Paolo Sanzo	Lakehead University	DOES PEAK GROUND REACTION FORCE AT INITIAL CONTACT OF WALKING CHANGE DEPENDING ON THE PHASE OF RESPIRATION?	psanzo@lakeheadu.ca	1320
115	8:34-8:44	O19.4	Motor control	Genevieve Williams	University of Exeter	CROSS RECURRENCE QUANTIFICATION ANALYSIS OF INTER-LEG RELATIONS ACROSS THE GAIT TRANSITION	g.k.r.williams@exeter.ac.uk	1449
	8:45-8:55	Questions						

Wednesday 12th Sept								
Podium oral session 20 WG404 (#95 theatre D)		Chair:	Barry Wilson	Auckland University of Technology				
8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
116	8:01-8:11	O20.1	Swimming	Simon Pearson	Griffith University	A PILOT INVESTIGATION INTO FORCE PRODUCTION IN TETHERED SWIMMING AS AN INDIVIDUAL MONITORING TOOL	Simon.Pearson@npsr.qld.gov.au	1524
117	8:12-8:22	O20.2	Swimming	Emily Nicol	Victorian Institute of Sport, Melbourne, Australia	THE CHARACTERISTICS OF AN ELITE SWIMMING TURN	em.lynicol@gmail.com	1376
118	8:23-8:33	O20.3	Swimming	Raul Arellano	Faculty of Sport Sciences, University of Granada, Spain	SHORT COURSE 50M MALE FREESTYLE PERFORMANCE COMPARISON BETWEEN NATIONAL AND REGIONAL SPANISH SWIMMERS	arellano@ugr.es	1587
119	8:34-8:44	O20.4	Swimming	Brendan Burkett	University of the Sunshine Coast	USING UNDERWATER 3D KINEMATICS TO IMPROVE THE PARALYMPIC SWIMMING CLASSIFICATION SYSTEM	bburkett@usc.edu.au	1536
	8:45-8:55	Questions						

Wednesday 12th Sept								
Poster oral 5 WG403 (#384 theatre oral A)		Chair:	Josh McGeown	Auckland University of Technology				
9:00	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
120	9:02	P5.1 - A	Injury prevention	Zachariah Henderson	Lakehead University	ANKLE BRACING'S EFFECT ON LOWER EXTREMITY ELECTROMYOGRAPHIC ACTIVITY AND VERTICAL GROUND REACTION FORCE DURING JUMP LANDINGS - PILOT STUDY RESULTS	zhender1@lakeheadu.ca	1316
121	9:04	P5.2 - A	Injury prevention	Yukinori Yamamoto	University of Tsukuba	KINEMATIC STUDY ON SEOI-NAGE, TECHNIQUE COMPARISON OF PLAYERS WITH OR WITHOUT ELBOW JOINT INJURIES	s1721560@s.tsukuba.ac.jp	1557
122	9:06	P5.3 - B	Injury prevention	Peter Katona	University of Physical Education, Budapest	THE CORRELATION BETWEEN KNEE STABILITY AND MOBILITY OF YOUNG FEMALE RHYTHMIC GYMNASTS	katona.peter@tf.hu	1469
123	9:08	P5.4 - B	Injury prevention	Gretchen Oliver	Auburn University	TRUNK AND UPPER EXTREMITY KINEMATICS OF THE OFFSIDE FOREHAND POLO SWING IN PROFESSIONAL POLO ATHLETES	goliver@auburn.edu	1334
124	9:10	P5.5 - C	Injury prevention	Youngho Kim	Yonsei University	PRE-IMPACT FALL DETECTION USING VERTICAL ANGLE AND ACCELERATION TRIANGLE FEATURE	younghokim@yonsei.ac.kr	1441
125	9:12	P5.6 - C	Injury prevention	Zoe Bamber	Loughborough University	ASSESSING LATERAL ANKLE SPRAIN RISK USING LOWER LIMB ANTHROPOMETRICS	z.a.buckingham@lboro.ac.uk	1600
126	9:14	P5.7 - D	Injury prevention	Xianglin Wan	Beijing Sport University	THE POTENTIAL PHASE FOR HAMSTRING MUSCLE STRAIN INJURIES DURING OVERGROUND SPRINTING	wanxianglin@vip.qq.com	1467
127	9:16	P5.8 - D	Rehabilitation	Ine Mylle	Northern Michigan University	THE EFFECT OF A NOVEL REHABILITATION DEVICE ON MUSCLE ACTIVATION DURING GAIT IN PERSONS WITH MULTIPLE SCLEROSIS	inemylle@gmail.com	1484
128	9:18	P5.9 - E	Rehabilitation	Steven Leigh	Marshall University	RETURN-TO-PLAY CRITERIA FOLLOWING ACL RECONSTRUCTION SURGERY: A CASE STUDY OVER NINE-MONTHS	leighs@marshall.edu	1516
129	9:20	P5.10 - E	Rehabilitation	Koichi Kaneda	Chiba Institute of Technology	TRUNK AND LOWER LIMB MOTION AND MUSCLE ACTIVITY RESPONSES DURING HIGH VERTICAL STEPPING SUBMERGED AND NON-SUBMERGED	koichikaneda.japan@gmail.com	1420

Wednesday 12th Sept								
Poster oral 6 WG126 (#140 theatre oral B)		Chair:	Hiroaki Hobara	National Institute of Advanced Industrial Science and Technology				
9:00	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
130	9:02	P6.1 - F	Running	Toshiaki Oda	Hyogo University of Education	CHANGE IN MECHANICAL PROPERTIES OF TRICEPS SURAE MUSCLE-TENDON UNIT AND RACE PERFORMANCE AFTER 1 YEAR IN WELL TRAINED DISTANCE RUNNERS	toda@hyogo-u.ac.jp	1550
131	9:04	P6.2 - F	Running	Mako Fukano	Shibaura Institute of Technology	QUANTITATIVE ASSESSMENT OF MECHANICAL ANKLE LAXITY AND RELATIONSHIP WITH TALOCRURAL AND SUBTALAR JOINT RANGE OF MOTION IN STANCE PHASE OF WALKING	mako.fukano@gmail.com	1354

158	10:31-10:41	O21.1	Football codes	James	Peacock	Institute for Health and Sport, Victoria University, Wellington	MAINTAINING A FIRM ANKLE: AN EFFECTIVE COACHING CUE FOR IMPROVING FOOTBALL	james.peacock@live.vu.edu.au	1528
36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018									
159	10:42-10:52	O21.2	Technology/equipment	Daniel	Cottam	University of Western Australia	CAN INERTIAL MEASUREMENT UNITS BE USED TO MEASURE PELVIS AND THORAX MOTION DURING CRICKET BOWLING?	daniel.cottam@research.uwa.edu.au	1538
160	10:53-11:03	O21.3	Injury prevention	Raihana	Sharir	Liverpool John Moores University, UK	DO MULTI-PLANAR ACL INJURY RISK VARIABLES RANK INDIVIDUALS MORE CONSISTENTLY ACROSS TASKS THAN UNI-PLANAR VARIABLES?	r.b.sharir@2013.ljmu.ac.uk	1573
161	11:04-11:14	O21.4	Injury prevention	Leigh	Jeffries	Lakehead University	THE INFLUENCE OF FULL FACIAL PROTECTION ON HEADFORM PEAK LINEAR ACCELERATION AT DIFFERENT HELMET IMPACT LOCATIONS	ljeffrie@lakeheadu.ca	1373
	11:15-11:25	Questions							

Wednesday 12th Sept									
	Podium oral session 22 WG126 (#140 theatre B)	Chair:	Kevin Ball		Victoria University, Australia				
	10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
162	10:31-10:41	O22.1	Football codes	Claire	Kenneally-Dabrowski	Australian Institute of Sport/ Australian National University	LATE SWING KNEE MECHANICS IN ELITE RUGBY UNION PLAYERS AND TRAINED SPRINTERS	claire.kenneally-dabrowski@ausport.gov.au	1350
163	10:42-10:52	O22.2	Football codes	Luke	Donnan	Charles Sturt University	FATIGUE INDUCED POSTURAL CHANGES IN AUSTRALIAN RULES FOOTBALL PLAYERS WITH AND WITHOUT A HISTORY OF HAMSTRING INJURY	ldonnan@csu.edu.au	1466
164	10:53-11:03	O22.3	Football codes	Gillian	Weir	University of Massachusetts	COORDINATION AND VARIABILITY IN AUSTRALIAN RULES FOOTBALL KICKING: IMPLICATIONS FOR PERFORMANCE	gweir@umass.edu	1495
165	11:04-11:14	O22.4	Rehabilitation	Joshua	McGeown	Auckland University of Technology	IMPLICATIONS FOR BIOMECHANISTS: RESEARCH NEEDED TO HELP ADDRESS MILD TRAUMATIC BRAIN INJURY	josh.mcgeown@aut.ac.nz	1613
	11:15-11:25	Questions							

Wednesday 12th Sept									
	Podium oral session 23 WA220 (#220 theatre C)	Chair:	Thor Besier		University of Auckland				
	10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
166	10:31-10:41	O23.1	Technology/equipment	Johannes	Funken	German Sport University Cologne	FRONTAL PLANE TAKE-OFF STEP MECHANICS OF LONG JUMPERS WITH AND WITHOUT A BELOW THE KNEE AMPUTATION	j.funken@dshs-koeln.de	1335
167	10:42-10:52	O23.2	Technology/equipment	Kentaro	Yagi	Keio University	ESTIMATING A RUNNER'S STRIDE LENGTH AND FREQUENCY FROM A RACE VIDEO BY USING GROUND STITCHING	yagi@hvr1.ics.keio.ac.jp	1517
168	10:53-11:03	O23.3	Technology/equipment	Man Kit	Lei	National Cheng Kung University, Taiwan	THE VALIDITY OF USING VIRTUAL REALITY HEAD-MOUNTED DISPLAY FOR AGILITY TRAINING	andylei1218@gmail.com	1386
169	11:04-11:14	O23.4	Injury prevention	Peixin	Shen	Shandong Sport University	EFFECTS OF RUNNING BIOMECHANICS ON THE OCCURRENCE OF ILIOTIBIAL SYNDROME IN MALE RUNNERS — A PROSPECTIVE STUDY	18323022054@163.com	1379
	11:15-11:25	Questions							

Wednesday 12th Sept									
	Podium oral session 24 WG404 (#95 theatre D)	Chair:	Rodrigo Bini		La Trobe University				
	10:30 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
170	10:31-10:41	O24.1	Running	Andrew	Harrison	University of Limerick	A COMPARISON OF HAND FORCE AND STARTING BLOCK-BASED RESPONSE TIMES IN THE SPRINT START	drew.harrison@ul.ie	1456
171	10:42-10:52	O24.2	Running	Akihiko	Murai	National Institute of Advanced Industrial Science and Technology	ESTIMATION OF RUNNING INJURY RISKS USING WEARABLE SENSORS	a.murai@aist.go.jp	1564
172	10:53-11:03	O24.3	Running	Misaki	Wakamiya	Ritsumeikan University, Japan	STEP-TO-STEP ANALYSIS OF ANTEROPOSTERIOR GROUND REACTION FORCE DURING 110 M HURDLE	ec0240ps@ed.ritsumei.ac.jp	1539
173	11:04-11:14	O24.4	Running	Hitoshi	Okutani	Ritsumeikan University	THE EFFECT OF HIP JOINT MUSCLE STRENGTH AND SIZE ON HIP JOINT ANGULAR VELOCITY DURING 110 M HURDLING MOTION	hitokku9pmzi@gmail.com	1540
	11:15-11:25	Questions							

Wednesday 12th Sept									
	Keynote 4 WG403 (#384 theatre A)	Chair:	Natalie Hardaker		Accident Compensation Corporation				
	11:40 Chair speaks	Podium number	Theme	Presenters	Affiliation	Title	Emails	ISBS ID#	
174	11:40-12:50	K4	ACC SportsSmart Injury Prevention Keynote Panel	James Selfe, Isaac Carlsson, Ken Quarrie	Mark Fulcher, Sharon Kearney	Manchester Metropolitan University; Accident Compensation Corporation, NZ Football, NZ Netball, NZ Rugby	INJURY PREVENTION FROM HEAD TO TOE USING A BIOMECHANICS PERSPECTIVE. PATELLOFEMORAL SUBGROUPS, A LOW COST CLINICAL APPROACH WITH A SURPRISE OR TWO!	J.Selfe@mmu.ac.uk; Isaac.Carlson@acc.co.nz; ken.quarrie@nzrugby.co.nz; m.fulcher@axissportsmedicine.co.nz; sharonk@netballnz.co.nz	1617

283 14:00-17:20 AUT Millennium-AUT SPRINZ-HPSNZ applied sessions 1631

284 17:30-19:30 Sir Graeme Avery event 1632

THURSDAY 13th September 2018

Thursday 13th Sept									
	Podium 25 WG403 (theatre oral A)	Chair:	Gillian Weir		UMass Amherst				

36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 10-14, 2018								
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
175	8:01-8:11	O25.1	Other	Masaru Higuchi	Massey University, Wellington	BIOMECHANICS OF SPANIONARY EXERCISE IN OVERWEIGHT AND NORMAL-WEIGHT CHILDREN	m.yoshino@massey.ac.nz	1356
176	8:12-8:22	O25.2	Implement sports	Josephine Grigg	Bond University	KINEMATICS OF THE BMX SX GATE START ACTION	jgrigg@bond.edu.au	1437
177	8:23-8:33	O25.3	Swimming	Angelo Macaro	The University of Queensland	USING MACHINE LEARNING TECHNIQUES AND WEARABLE INERTIAL MEASUREMENT UNITS TO PREDICT FRONT CRAWL ELBOW JOINT ANGLE: A PILOT STUDY	a.macaro@uq.edu.au	1575
178	8:34-8:44	O25.4	Implement sports	Steffen Willwacher	German Sport University Cologne	ANALYSIS OF SKIER KINETICS DURING THE START AND KINEMATICS OVER THE FIRST FEATURES DURING A SKI CROSS RUN	s.willwacher@dshs-koeln.de	1598
	8:45-8:55	Questions						

Thursday 13th Sept								
	Podium oral session 26 WG126 (#140 theatre B)	Chair:	Helen Bayne	University of Pretoria	Co-Chair:	Enora Le Flao	Auckland University of Technology	
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
179	8:01-8:11	O26.1	Rehabilitation	Patrick Siedlecki	Lakehead University, Canada	EFFECTS OF WALKING VERSUS COMPLETING A NEUROCOGNITIVE TASK, ON END-TIDAL CARBON DIOXIDE AFTER CONCUSSION – A PILOT STUDY	psiedlec@uwo.ca	1606
180	8:12-8:22	O26.2	Rehabilitation	Martyna Michałowska	Poznan University of Technology, Poland	HOW TO VERIFY WHETHER THE SOCCER PLAYER'S KNEE IS FUNCTIONING PROPERLY?	martyna.michalowska@gmail.com	1479
181	8:23-8:33	O26.3	Rehabilitation	Hanjun Li	Beijing Sport University	THE EFFECTIVENESS OF NEUROMUSCULAR TRAINING WITH AUGMENTED FEEDBACK ON ACL INJURY PREVENTION	lihanjun@bsu.edu.cn	1345
182	8:34-8:44	O26.4	Technology/equipment	Jacqueline Alderson	University of Western Australia	ARTIFICIAL INTELLIGENCE, DATA ANALYTICS AND SPORTS BIOMECHANICS: A NEW ERA OR A FALSE DAWN?"	jacqueline.alderson@uwa.edu.au	1618
	8:45-8:55	Questions						

Thursday 13th Sept								
	Podium oral session 27 WA220 (#220 theatre C)	Chair:	Sarah Kate Millar	Auckland University of Technology				
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
183	8:01-8:11	O27.1	Motor control	Hannah Palmer	Anglia Ruskin University	DEFINING KINEMATIC VARIABLES OF THE OVERARM THROW DURING LEARNING: A MOTOR CONTROL PERSPECTIVE	hap122@student.anglia.ac.uk	1066
184	8:12-8:22	O27.2	Motor control	Soran AminiAghdam	Institute of Sport Science, Friedrich-Schiller-University Jena	THE BEHAVIOR OF THE MARGIN OF STABILITY DURING ABLE-BODIED TRUNK-FLEXED GAIT	soran.aminiaghdam@uni-jena.de	1412
185	8:23-8:33	O27.3	Motor control	Paul Taylor	Australian Catholic University	INVESTIGATING THE RELATIONSHIP BETWEEN MOVEMENT VARIABILITY, SKILL ACQUISITION AND ADAPTABILITY	paul.taylor@acu.edu.au	1455
186	8:34-8:44	O27.4	Motor control	Mark King	Loughborough University	ADJUSTMENT IN THE TAKEOFF PHASE OF 1-M SPRINGBOARD FORWARD DIVES	M.A.King@lboro.ac.uk	1417
	8:45-8:55	Questions						

Thursday 13th Sept								
	Podium oral session 28 WG404 (#95 theatre D)	Chair:	Philip Graham-Smith	Aspire Academy				
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
187	8:01-8:11	O28.1	Stronger	Dustin Oranchuk	Auckland University of Technology	HOOK-GRIP IMPROVES POWER CLEAN KINETICS AND KINEMATICS	dustinatoranchuk@gmail.com	1388
188	8:12-8:22	O28.2	Stronger	Kazutaka Takahashi	University of Tsukuba, Tsukuba	FORCE AND POWER OUTPUTS OF TRUNK-TWIST DURING BAR TWIST EXERCISE -INFLUENCE OF LENGTH AND MASS OF BARS-	kaz.aventador.83090@gmail.com	1415
189	8:23-8:33	O28.3	Stronger	Brian Budd	Northern Michigan University	EFFECTS OF FRONT SQUAT TRAINING METHODS ON FRONT SQUAT ONE REPETITION MAX AND CLEAN PULL FORCE PRODUCTION	bbudd@nmu.edu	1476
190	8:34-8:44	O28.4	Stronger	Paige Rice	Edith Cowan University	FORCE-VELOCITY PROFILES OF DANCERS AND ENDURANCE RUNNERS DURING ANKLE-SPECIFIC STRETCH-SHORTENING CYCLE TASKS	price@our.ecu.edu.au	1497
	8:45-8:55	Questions						

Thursday 13th Sept								
	Poster oral 9 WG403 (theatre oral A)	Chair:	Bruce Elliott	University of Western Australia, Australia				
	9:00	Podium number	Theme - NEW INVESTIGATOR AWARD SEMI-FINALISTS	Presenter	Affiliation	Title	Email	ISBS ID#
191	9:02	P9.1 - A	Motor control	Takuya Yoshida	University of Tsukuba, Tsukuba	A LONGITUDINAL INVESTIGATION ON DROP JUMP PERFORMANCE-FOCUSING ON BRAIN CONDITION DURING PRE-SET, STRETCH REFLEX AND JOINT KINETICS DURING TAKE-OFF	hta05073.t.yoshida@gmail.com	1551
192	9:04	P9.2 - B	Other	Natsuki Sado	The University of Tokyo	EFFECTS OF SEGMENTAL ROTATIONS ON VERTICAL AND HORIZONTAL ENERGIES DURING TAKE-OFF OF A LONG JUMP	sado@g.ecc.u-tokyo.ac.jp	1323
193	9:06	P9.3 - C	Other	Ashley VanSumeren	Northern Michigan University	CHANGES IN JUMP PERFORMANCE AND DYNAMIC BALANCE AT HIGH TERRESTRIAL ALTITUDE	asvansum@nmu.edu	1493
194	9:08	P9.4 - D	Injury prevention	Rhiannon Campbell	University of Canberra Research Institute for Sport and Exercise	QUANTIFYING LANDING IMPACTS DURING A LEG STRENGTH CIRCUIT IN MALE ARTISTIC GYMNASTS - A PILOT STUDY	rhiannon.campbell@ausport.gov.au	1331

195	9:10	P9.5 - E	Injury prevention	Simona	Lucarno	Athletic area, Youth Sector, AC Milan SpA, University of Milan, Italy	DIFFERENCES IN LANDING STRATEGIES DURING A VERTICAL DROP JUMP TEST AS A FUNCTION OF PLAYER'S AGE AND SEX	simona.lucarno@libero.it	1425
36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 0-14, 2018									
196	9:12	P9.6 - A	Injury prevention	Kensaku	Kimura	University of Tsukuba	RELATIONSHIP BETWEEN DEFORMATION OF MEDIAL LONGITUDINAL ARCH AND KINETICS OF LOWER LIMBS DURING LONG-DISTANCE RUNNING	kimura@lasbim.taiiku.tsukuba.ac.jp	1563
197	9:14	P9.7 - B	Other	Shusei	Sugi	Fukuoka University	HOW LOWER BODY SEGMENT ROTATIONS CONTRIBUTE TO THE UPWARD FOOT VELOCITY IN SOCCER VOLLEY KICKING	ss1229_soccer@yahoo.co.jp	1408
198	9:16	P9.8 - C	Other	Yuta	Yamaguchi	Nippon Sports Science University	BRAKING FORCES DURING BICYCLE PEDALING: AN EXAMINATION OF THE FULL CRANK ROTATION	yama19930525@gmail.com	1458
199	9:18	P9.9 - D	Technology/equipment	Sang yup	Lee	Korea National Sport University	THE POSSIBILITY OF CLASSIFYING V1 AND V2 SUB-TECHNIQUES OF A SINGLE IMU SENSOR THROUGH COMPARISON OF MOTION-SPECIFIC DATA(PITCH, YAW AND ROLL ANGLE VALUES-ORIENTATION ANGLE VALUE) IN XC SKI	sy941120@knsu.ac.kr	1418
200	9:20	P9.10 - E	Technology/equipment	Kam Yuk (Leona)	Chan	Auckland University of Technology	PSEUDO-3D BINARY SILHOUETTE FOR AUGMENTED GOLF COACHING	leonachan@gmail.com	1351

Thursday 13th Sept									
Poster oral 10 WG126 (#140 theatre oral B) NIAs		Chair:	Duane Knudson	Texas State University					
9:00		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
201	9:02	P10.1 - F	Implement sports	Hiroataka	Nakashima	Chukyo University	THREE-DIMENSIONAL KINEMATICS OF THE BATTED BALL IN BASEBALL: THE EFFECT OF SPIN ON THE BALL TRAJECTORY AND FLIGHT DISTANCE	h.nakashima.0921@icloud.com	1447
202	9:04	P10.2 - G	Injury prevention	Andrew	Ebert	Marshall University	A CORRELATION BETWEEN VERTICAL JUMP AND ISOKINETIC MEASUREMENTS IN FEMALE BASKETBALL ATHLETES	ebert9@marshall.edu	1505
203	9:06	P10.3 - G	Other	Takafumi	Kageyuki	Graduate School of Comprehensive Human Sciences, University of Tsukuba	BEHAVIOUR OF THE POLE IN POLE VAULT	zkiac10@gmail.com	1461
204	9:08	P10.4 - H	Gym sports	Ti	Wu	University of Pintung	RECORDING WEIGHT TRAINING MOVEMENTS USING A WIFI ACCELEROMETER	jw820811@gmail.com	1593
205	9:10	P10.5 - I	Other	Fusako	Kawahara	University of Tsukuba	CHANGE OF DIRECTION MOTION DURING THE DEFENSIVE PHASE IN SOCCER PLAYERS	fsk_1105@yahoo.co.jp	1553
206	9:12	P10.6 - F	Implement sports	Tomohiro	Imai	Sophia University	INFLUENCE OF THE GOLF CLUB ON THE SWING MOTION	tomohiro_imai@eagle.sophia.ac.jp	1609
207	9:14	P10.7 - I	Other	Nobuaki	Tottori	Ritsumeikan University	ASSOCIATION OF CHANGES IN SPATIOTEMPORAL VARIABLES AT EACH STEP WITH 100-M SPRINT PERFORMANCE IN PREADOLESCENT SPRINTERS	sh0037xp@ed.ritsumei.ac.jp	1503
208	9:16	P10.8 - H	Motor control	Jihe	Zhou	Chengdu Sport Institute	KINEMATICS ANALYSIS ON THE FOREHAND STROKE OF ATP TENNIS PLAYER KAREN KHACHANOV	549828421@qq.com	1594

Thursday 13th Sept									
Poster oral 11 WA220 (#220 theatre oral C)		Chair:	Dustin Oranchuk	Auckland University of Technology					
9:00		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
209	9:02	P11.1 - J	Stronger	Justin	Keogh	Bond University	A BIOMECHANICAL COMPARISON BETWEEN STRONGMAN EVENTS AND TECHNICALLY SIMILAR TRADITIONAL WEIGHT TRAINING EXERCISES: A NARRATIVE REVIEW	justin.keogh@bond.edu.au	1410
210	9:04	P11.2 - J	Stronger	Wooram	Yoon	Korea National Sport University	THE EFFECT OF SHOULDER MOBILITY ON AGONIST AND SYNERGIST DURING SHOULDER PRESS	ywr3558@knsu.ac.kr	1369
211	9:06	P11.3 - K	Stronger	Kodayu	Zushi	University of Tsukuba	CHARACTERISTICS OF STRENGTH AND POWER FOR THE RATE OF FORCE DEVELOPMENT DURING LEG EXTENSION	kzpv@icloud.com	1544
212	9:08	P11.4 - K	Stronger	Jae Woo	Lee	Konkuk Univ. Sports Convergence Institute, Chungju, Korea	EFFECTS OF GENDER AND FOOT POSITION ON ACCELERATION PATTERN OF KNEE AND HIP JOINT DURING DEEP SQUAT	jwlee1143@naver.com	1353
213	9:10	P11.5 - L	Stronger	Kristof	Kipp	Marquette University	CONTROL AND REGULATION OF GROUND REACTION FORCES DURING THE PULL-PHASE OF THE SNATCH AND CLEAN	kristof.kipp@marquette.edu	1322
214	9:12	P11.6 - L	Technology/equipment	Mahalie	Hargis	Marshall University	EXAMINING THE RELIABILITY AND VALIDITY OF THE FITBIT CHARGE 2™ TECHNOLOGY ON HEART RATE DURING TREADMILL EXERCISE	hargis8@marshall.edu	1383
215	9:14	P11.7 - M	Technology/equipment	Jihe	Zhou	Chengdu Sport Institute	VIRTUAL RECONSTRUCTION KINEMATICS ON THE START ACTION OF ELITE MALE SHORT TRACK SPEED SKATERS UNDER NEW RULES:A COMPARISON ANALYSIS	jihezhou123@163.com	1511
216	9:16	P11.8 - M	Methods	Hiromasa	Kajimoto	Kobe University, Hyogo	DEVELOPMENT OF AERODYNAMICS SIMULATION FRAMEWORK FOR SKI-JUMPING	h-kajimoto@stu.kobe-u.ac.jp	1543

Thursday 13th Sept									
Poster oral 12 WG404 (#95 tiered oral D)		Chair:	Hannah Wyatt	University of Massachusetts Amherst					
9:00		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
217	9:02	P12.1 - N	Motor control	Takuya	Goto	Tokyo Metropolitan University	A STUDY ON POSTURAL RESPONSE TO LATERAL PERTURBATION	ma4nuspp5656@gmail.com	1500
218	9:04	P12.2 - N	Motor control	Laura	Charalambous	University of Bedfordshire, UK	THE EFFECT OF PROLONGED SITTING VERSUS BODY WEIGHT RESISTANCE EXERCISE ON POSTURAL STABILITY	laura.charalambous@beds.ac.uk	1530
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219	9:06	P12.3 - O	Motor control	Lung-Ching Liang	National Tsing Hua University, Taiwan	THE EFFECTS OF CORE STABILITY TRAINING ON THE FUNCTIONAL MOVEMENT SCREEN AND POSTURAL NEW ZEALAND SEPTEMBER 14, 2018	maruko0708@gmail.com	1361
36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, September 14, 2018								
220	9:08	P12.4 - O	Motor control	Alex Ong	Republic Polytechnic	INVESTIGATING THE RELATIONSHIP BETWEEN BALANCE ASSESSMENT AND CENTRE OF PRESSURE EXCURSION DURING GOLF PUTTING	alex_ong@rp.edu.sg	1520
221	9:10	P12.5 - P	Motor control	Hiroyuki Nagaki	Tokyo Metropolitan University	MOTION OF CENTRE OF PRESSURE DURING STANDING ON TIP TOE ON ONE LEG: ASSOCIATION WITH FOREFOOT SHAPE OF CLASSIC BALLET DANCERS	nunome@fukuoka-u.ac.jp	1608
222	9:12	P12.6 - Q	Injury prevention	Sydney Dreves	Point Loma Nazarene University	LONG TERM EFFECTS OF A WEARABLE NEUROMUSCULAR DEVICE ON MODIFIABLE RISK FACTORS ASSOCIATED WITH ACL INJURIES IN FEMALE COLLEGIATE ATHLETES DURING A COUNTERMOVEMENT JUMP	sydneydreves@gmail.com	1397
223	9:14	P12.7 - Q	Injury prevention	Suzanne Konz	Marshall University	OPTIMIZING EXERCISE SELECTION FOR POWER DEVELOPMENT IN ATHLETES USING VELOCITY-BASED TRAINING	konz@marshall.edu	1385
224	9:16	P12.8 - P	Methods	Nurhidayah Omar	Universiti Malaysia Perlis	WHICH JOINT ANGLE CHANGES HAVE MOST EFFECT ON BALL RELEASE SPEED IN OVERARM THROWING?	miss.noure@gmail.com	1521

Thursday 13th Sept								
Podium 29 WG403 (theatre oral A)		Chair:	Neil Bezodis	Swansea University				
10:30 Chair speaks		Podium number	Theme - NEW INVESTIGATOR AWARD SEMI-FINALISTS	Presenter	Affiliation	Title	Email	ISBS ID#
225	10:31-10:41	O29.1	Injury prevention	Dhruv Gupta	The University of Texas at Austin	USE OF MUSCULOSKELETAL MODELING TO FIND THE BALANCE BETWEEN PERFORMANCE AND INJURY PREVENTION IN SPORTS – A PROOF OF CONCEPT	dhruv.gupta@utexas.edu	1504
226	10:42-10:52	O29.2	Cycling	Louise Burnie	Sheffield Hallam University	COMPARISON OF BIOMECHANICAL DATA OF A SPRINT CYCLIST IN THE VELODROME AND IN THE LABORATORY	louise.burnie@eis2win.co.uk	1478
227	10:53-11:03	O29.3	Methods	Marion Mundt	RWTH Aachen University	PREDICTION OF JOINT KINETICS BASED ON JOINT KINEMATICS USING ARTIFICIAL NEURAL NETWORKS	mundt@iam.rwth-aachen.de	1319
228	11:04-11:14	O29.3	Injury prevention	Jonathan Staynor	The University of Western Australia	DIFFERENCES IN PREPARATORY KINEMATICS OF PLANNED AND UNPLANNED SIDESTEPPING	jonathan.staynor@research.uwa.edu.au	1577
	11:15-11:25	Questions						

Thursday 13th Sept								
Podium oral session 30 WG126 (#140 theatre B)		Chair:	Simon Pearson	Queensland Academy of Sport				
10:30 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
229	10:31-10:41	O30.1	Swimming	Jordan Andersen	University of Sydney, Sydney	THE APPLICATION OF FOURIER ANALYSIS TO DEMONSTRATE THE IMPACT OF THE FLUTTER KICK ON LONGITUDINAL ROTATION IN FRONT CRAWL	jordan.andersen@sydney.edu.au	1498
230	10:42-10:52	O30.2	Swimming	Muhammad Tahir Nazeer	University of the Punjab, Pakistan	A COMPARISON OF PACING STRATEGY BETWEEN INTERNATIONAL AND PAKISTANI 100-M SWIMMERS	tahir.sspe@pu.edu.pk	1472
231	10:53-11:03	O30.3	Cycling	Tang Chun-Kai	Yang-Ming University, Taiwan	EFFECTS OF DIFFERENT PEDALING POSITIONS BY DYNAMIC-FITTING ON MUSCLE FATIGUE AND ENERGY EXPENDITURE IN AMATEUR CYCLISTS	willy840729@gmail.com	1568
232	11:04-11:14	O30.4	Methods	Shoma Kudo	Ritsumeikan University	DETERMINATION OF THE OPTIMAL NUMBER OF RIGID-BODY SEGMENTS TO REPRESENT THE TRUNK USING AKAIKE'S INFORMATION CRITERION	my.way.0205@gmail.com	1537
	11:15-11:25	Questions						

Thursday 13th Sept								
Podium oral session 31 WA220 (#220 theatre C)		Chair:	Kirsten Spencer	Auckland University of Technology				
10:30 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
233	10:31-10:41	O31.1	Motor control	Franky Mulloy	University of Lincoln	COORDINATION VARIABILITY ASSOCIATED WITH ATTENDANCE TO A LONGITUDINAL REDUCING BIOFEEDBACK SCHEDULE	fmulloy@lincoln.ac.uk	1583
234	10:42-10:52	O31.2	Motor control	Adrian Rivadulla	University of Bath, Bath, UK; Sports Surgery Clinic, Dublin, Ireland	THE EFFECTS OF FOCUS OF ATTENTION ON THE LEARNING OF THE CLEAN WEIGHTLIFTING TECHNIQUE IN NOVICES	arr43@bath.ac.uk	1348
235	10:53-11:03	O31.3	Injury prevention	Suzanne Konz	Marshall University	ANALYZING VERTICAL JUMP AND STANDING LONG JUMP POWER RATIOS TO DETERMINE LOWER EXTREMITY INJURY RISK USING AUROC CURVES	konz@marshall.edu	1429
236	11:04-11:14	O31.4	Motor control	Tony Oldham	Auckland University of Technology	USING EXPERT KNOWLEDGE TO INFORM MULTIVARIATE ANALYSES	tony.oldham@aut.ac.nz	1610
	11:15-11:25	Questions						

Thursday 13th Sept								
Podium oral session 32 WG404 (#95 theatre D)		Chair:	Mark King	Loughborough University				
10:30 Chair speaks		Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
237	10:31-10:41	O32.1	Implement sports	Yoka Izumoto	Ritsumeikan University	EXTERNAL MOMENT AROUND THE CENTRE OF MASS DURING GOLF SWING IN DIFFERENT WEIGHT TRANSFER STRATEGIES	sh0025sh@ed.ritsumei.ac.jp	1584

238	10:42-10:52	O32.2	Implement sports	Joshua	Goreham	Dalhousie University	FUNCTIONAL DATA ANALYSIS: A NEW METHOD TO INVESTIGATE PACING STRATEGIES IN ELITE CANOE NEW ZEALAND, September 10-14, 2018	josh.goreham@dal.ca	1501
239	10:53-11:03	O32.3	Implement sports	Rajinikumar	Palaniappan	Tamil Nadu Physical Education & Sports University	BIOMECHANICAL ANALYSIS OF PENALTY CORNER DRAG FLICK IN FIELD HOCKEY	rajinikp88@gmail.com	1515
240	11:04-11:14	O32.4	Implement sports	Arnel	Aguinaldo	Point Loma Nazarene University	RELATIONSHIP OF SEGMENTAL ENERGY FLOW AND ELBOW VALGUS LOADING DURING BASEBALL PITCHING	aaguinal@pointloma.edu	1463
	11:15-11:25	<i>Questions</i>							

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Thursday 13th Sept									
	Keynote 5 WG403 (#384 theatre A)	Chair:	Duane Knudson	Texas State University					
	11:40 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
241	11:40-12:50	K5	Hans Gros Award	Steffen	Willwacher	German Sport University Cologne	SPORTS EQUIPMENT: HOW THE TRANSFORMATION FROM PASSIVE TO DIGITAL SYSTEMS OPENS NEW DOORS AND PUTS NEW DEMANDS ON SPORTS BIOMECHANIST	s.willwacher@dshs-koeln.de	1619

285 14:00-17:00 Sky Tower tour & city harbour walking tour OR Titahi ki Tua kapa haka Marae 1633

FRIDAY 14th September 2018

Friday 14th Sept									
	Podium oral session 33 WG403 (#384 theatre A)	Chair:	Karen Roemer	Central Washington University					
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
242	8:01-8:11	O33.1	Methods	Joel	Fuller	Macquarie University	RELIABILITY OF THE LONG-RANGE CORRELATIONS OBTAINED FROM DETRENDED FLUCTUATION ANALYSIS OF RUNNING STRIDE INTERVALS	joel.fuller@mq.edu.au	1387
243	8:12-8:22	O33.2	Methods	Mitsuo	Otsuka	Ritsumeikan University	ASSESSMENT OF ANALYZING BLOCK START PERFORMANCE WITHOUT ARM GROUND REACTION FORCES	otsuka-a@st.ritsumei.ac.jp	1374
244	8:23-8:33	O33.3	Methods	Sydni	Wilhoite	Georgia Southern University	ANKLE JOINT COMPLEX KINEMATIC AND KINETIC ADAPTATION DURING THIRTY-MINUTES OF TREADMILL RUNNING: A CASE STUDY	sw06005@georgiasouthern.edu	1430
245	8:34-8:44	O33.4	Methods	Ezio	Preatoni	University of Bath	NEW DEVELOPMENTS IN VECTOR CODING METHODS FOR ASSESSING COORDINATION VARIABILITY	E.Preatoni@bath.ac.uk	1477
	8:45-8:55	<i>Questions</i>							

Friday 14th Sept									
	Podium oral session 34 WG126 (#140 theatre B)	Chair:	Tim Doyle	Macquarie University	Co-Chair:	Josh McGeown	Auckland University of Technology		
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
246	8:01-8:11	O34.1	Football codes	Mitchell	Welch	University of New England	TRAINING LOAD PRIOR TO INJURY IN PROFESSIONAL RUGBY LEAGUE PLAYERS: ANALYSING INJURY RISK WITH MACHINE LEARNING	mwelch8@une.edu.au	1522
247	8:12-8:22	O34.2	Football codes	Christian	Victoria	New York University, College of Global Public Health, NY, USA	USA WOMENS RUGBY SEVENS CONTACT INJURY RISK FACTORS	christian.victoria1220@gmail.com	1489
248	8:23-8:33	O34.3	Football codes	Kim	Hébert-Losier	Faculty of Health, Sport and Human Performance, University of Waikato	SELF-ORGANISING MAP ANALYSIS OF RUGBY PLACEKICKING BIOMECHANICS	kim.hebert-losier@waikato.ac.nz	1483
249	8:34-8:44	O34.4	Football codes	Neil	Bezodis	Swansea University	RECTUS FEMORIS MECHANICS IN RUGBY KICKING	n.e.bezodis@swansea.ac.uk	1403
	8:45-8:55	<i>Questions</i>							

Friday 14th Sept									
	Podium oral session 35 WA220 (#220 theatre C)	Chair:	Laura-Anne Furlong	Loughborough University					
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
250	8:01-8:11	O35.1	Cycling	Rodrigo	Bini	La Trobe University	CHANGES IN BODY POSITION ON THE BIKE DURING SPRINT CYCLING: APPLICATIONS TO BIKE FITTING	bini.rodrigo@gmail.com	1311
251	8:12-8:22	O35.2	Cycling	Walter	Herzog	University of Calgary	PEDAL FORCE DIRECTION CONTROL IN CYCLING	wherzog@ucalgary.ca	1428
252	8:23-8:33	O35.3	Cycling	Ina	Janssen	Sportcentrum Papendal	ELITE BMX CYCLISTS USE INDIVIDUAL STRATEGIES FOR A SUCCESSFUL START	ina.janssen@papendal.nl	1434
253	8:34-8:44	O35.4	Cycling	Josef	Viellehner	German Sport University Cologne, Germany	ACCELERATION TRANSMITTED TO THE HUMAN BODY DURING CYCLING: EFFECT OF A ROAD BIKE DAMPING SYSTEM	j.viellehner@dshs-koeln.de	1547
	8:45-8:55	<i>Questions</i>							

Friday 14th Sept									
	Podium oral session 36 WG404 (#95 theatre D)	Chair:	Eric Helms	Auckland University of Technology	Co-Chair	Alyssa-Joy Spence	Auckland University of Technology		
	8:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
254	8:01-8:11	O36.1	Stronger	Kangwei	Ai	People's Republic of China Institute of Sport Science, Beijing, People's Republic of China	BAR HEIGHTS NEEDED FOR SUCCESSFUL LIFTS IN MEN'S WEIGHTLIFTERS	aikangwei@126.com	1443
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255	8:12-8:22	O36.2	Stronger	Kevin Moore	Marshall University	ASSOCIATIONS BETWEEN CLINICAL AND PERFORMANCE TESTS IN SOCCER ATHLETES	moore821@marshall.edu	1526
256	8:23-8:33	O36.3	Stronger	Jan-Frieder Harmsen	Auckland University of Technology	LOWER LIMB FATIGUE AND STRIKE SHORTENING CYCLE PERFORMANCE IN YOUNG AND ELDERLY MALES	janfrieder.harmsen@at.govt.nz	1481
257	8:34-8:44	O36.4	Stronger	Farhan Tinwala	Auckland University of Technology	MOVEMENT VARIABILITY ASSOCIATED WITH HORIZONTAL ECCENTRIC TOWING	farhan.tinwala@gmail.com	1615
	8:45-8:55	Questions						

Friday 14th Sept								
Podium oral session 37 WG403 (#384 theatre A)		Chair:	Walter Herzog	University of Calgary				
	9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
258	9:01-9:11	O37.1	Muscle	Tim Doyle	Macquarie University	META-ANALYSIS: FATIGUE DOES NOT INCREASE LOWER-LIMB INJURY RISK	tim.doyle@mq.edu.au	1451
259	9:12-9:22	O37.2	Muscle	Alizera Hashemi Oskoue	Sahand University of Technology, Tabriz, Iran	USING ELECTROMYOGRAPHY OF FIVE MUSCLES AND JOINT ANGLE TO PREDICT KNEE JOINT MOMENT	ali.hashemi@sut.ac.ir	1474
260	9:23-9:33	O37.3	Muscle	Jan-Frieder Harmsen	University Hospital Duesseldorf, Duesseldorf	ISCHEMIC PRECONDITIONING BLUNTS ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE DUE TO REDUCED OXIDATIVE STRESS?	janfrieder.harmsen@gmail.com	1421
261	9:34-9:44	O37.4	Stronger	Rodrigo Bini	La Trobe University	VARIABILITY IN VERTICAL JUMP HEIGHT AND LOWER LIMB KINEMATICS BETWEEN DAYS	r.bini@latrobe.edu.au	1310
	9:45-9:55	Questions						

Friday 14th Sept								
Podium oral session 38 WG126 (#140 theatre B)		Chair:	Ezio Preatoni	University of Bath				
	9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
262	9:01-9:11	O38.1	Football codes	Joe Hamill	University of Massachusetts Amherst	COUPLING ANGLE MAPPING TO ASSESS PELVIS-THORAX COORDINATION AND COORDINATION VARIABILITY DURING THE MAXIMAL INSTEP KICK IN ASSOCIATION FOOTBALL	Jhamill@kin.umass.edu	1578
263	9:12-9:22	O38.2	Football codes	Sina David	German Sport University, Cologne	A LOCAL APPROACH TO IDENTIFY THE IMPACT OF SUBJECT SPECIFIC MOVEMENT STRATEGIES ON THE LOCAL FORCES DURING CUTTING MANEUVERS	s.david@dshs-koeln.de	1592
264	9:23-9:33	O38.3	Football codes	Hiroyuki Nunome	Fukuoka University	KINETIC ADJUSTMENTS OF SUBMAXIMAL SOCCER INSTEP KICKING	nunome@fukuoka-u.ac.jp	1317
265	9:34-9:44	O38.4	Football codes	Madoka Kinoshita	The university of Tokyo	KICKING MOTION DIFFERENCE BETWEEN AFFECTED ARM POSITION	m.kinoshita@idaten.c.u-tokyo.ac.jp	1541
	9:45-9:55	Questions						

Friday 14th Sept								
Podium oral session 39 WA220 (#220 theatre C)		Chair:	Wayne Spratford	Canberra				
	9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
266	9:01-9:11	O39.1	Running	Dominique Cava	Lakehead University	THE IMPACT OF THERAPEUTIC ANKLE TAPING ON THE KINEMATICS OF THE LOWER EXTREMITY WHILE RUNNING	dscava@lakeheadu.ca	1372
267	9:12-9:22	O39.2	Running	Anna Lorimer	Bond University	CHANGES IN LOWER EXTREMITY STIFFNESS WITH TRIATHLON SPECIFIC TRAINING	avlorimer@gmail.com	1407
268	9:23-9:33	O39.3	Running	Aaron Fox	Deakin University, Melbourne, Australia	EXPLORING THE POTENTIAL EFFECTS OF STRENGTH TRAINING ON RUNNING ECONOMY: A SIMULATION STUDY	aaron.f@deakin.edu.au	1566
269	9:34-9:44	O39.4	Running	Marco Campana Bonilla	Beijing Sport University	ANALYSIS ON THE EFFECTS OF WARM UP ON ANKLE JOINT MOTION AND STRIKE PATTERNS FOR 50M SPRINT PERFORMANCE.	ramones.12@live.com	1465
	9:45-9:55	Questions						

Friday 14th Sept								
Podium oral session 40 WG404 (#95 theatre D)		Chair:	Elizabeth Bradshaw	Deakin University				
	9:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#
270	9:01-9:11	O40.1	Gym sports	Weiya Hao	China Institute of Sport Science	BIOMECHANICAL FEATURES OF LANDINGS OF A COMPLEX FLOOR EXERCISE MOVEMENT	haoweiya@ciss.cn	1406
271	9:12-9:22	O40.2	Gym sports	Toshiyuki Fujihara	Osaka University of Health and Sport Sciences	ABILITY TO MAINTAIN AMPLITUDE WHILE PERFORMING CIRCLES ON POMMEL HORSE	fujihara@ouhs.ac.jp	1399
272	9:23-9:33	O40.3	Gym sports	Roman Farana	University of Ostrava, Czech Republic	GENDER DIFFERENCES IN TECHNIQUE SELECTION: ELBOW AND WRIST JOINT LOADING DURING ROUND OFF IN GYMNASTICS	roman.farana@osu.cz	1446
273	9:34-9:44	O40.4	Muscle	Thomas Dupré	German Sport University, Cologne	ADDUCTOR MUSCLE STRESS AND HIP JOINT LOAD IN 90° CUTTING MANOEUVRES AND THEIR POSSIBLE LINK TO GROIN INJURIES	t.dupre@dshs-koeln.de	1381
	9:45-9:55	Questions						

Friday 14th Sept								
Podium oral session 41 WG403 (#384 theatre A)		Chair:	Neil Bezodis	Swansea University				
	10:50 Chair speaks	Podium number	Theme - NEW INVESTIGATOR AWARD FINALISTS	Presenter	Affiliation	Title	Email	ISBS ID#
	10:52-10:53			NIA poster finalist 1				1291
https://commons.nmu.edu/isbs/vol36/iss1/295								

10:54-10:55	NIA poster finalist 2
10:56-10:58	NIA poster finalist 3
11:00-11:15	NIA podium finalist 1
11:15-11:30	NIA podium finalist 2
11:30-11:45	NIA podium finalist 3

Friday 14th Sept

Keynote 6 WG403 (#384 theatre A)		Chair:	Brian Russell	Auckland University of Technology				
11:50 Chair speaks	Podium number	Theme	Presenters	Affiliation	Title	Emails	ISBS ID#	
274 11:50-12:50	K6	ATEED KEYNOTE: SPORTS PERFORMANCE INNOVATION FORUM	Brian Russell; Thor Besier; Eric Helms; Farhan Tinwala; Ryan Archibald	Auckland University of Technology; The University of Auckland; VICON-IMU; ATEED	SCIENCE TO COMMERCIALISATION – TRANSLATING SCIENCE TO COMMERCIAL OUTCOMES	brian.russell@contempolab.com; eric.helms@aut.ac.nz; farhan.tinwala@gmail.com; Ryan.Archibald@aucklandnz.com; t.besier@auckland.ac.nz	1623	

286 13:00-14:50 Sports Technology Showcase 1634

Friday 14th Sept

Keynote 7 WG403 (#384 theatre A)		Chair:	John Cronin	Auckland University of Technology				
15:00 Chair speaks	Podium number	Theme	Presenter	Affiliation	Title	Email	ISBS ID#	
275 15:00-15:50	K7	SPRINZ Keynote	Sophia Nimphius	Edith Cowan University	RE-EVALUATING WHAT WE "KNOW" ABOUT FEMALE ATHLETES IN BIOMECHANICS RESEARCH: ACROSS THE CONTINUUM FROM CAPACITY TO SKILL.	s.nimphius@ecu.edu.au	1620	

287 16:00-16:30 Academic Programme Closing 1635

288 19:00-22:30 Middle Earth Closing Banquet 1636

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