

DATE	START	END	LOCATION	SESSION
29 JUNE				
29-JUN	ALL DAY @ VARIOUS LOCATIONS			HALF DAY WORKSHOPS (PRE-REGISTRATION ONLY)
29-JUN-	4:30 PM	5:00 PM	AUDITORIUM 2	OPENING CEREMONY
29-JUN-	5:00 PM	6:00 PM	AUDITORIUM 2	OPENING KEYNOTE: BAS BLOEM, RADBOUDUMC GAIT DISTURBANCES IN PERSONS WITH PARKINSON’S: A JOURNEY ACROSS THE ENTIRE DISEASE SPECTRUM CHAIR: ALICE NIEUWBOER, KU LEUVEN
29-JUN-	6:00 PM	7:30 PM	PRAETORIUM	OPENING RECEPTION
30 JUNE				
30-JUN-	08:30 AM	09:30 AM	AUDITORIUM 2	KEYNOTE 2: FABRISIA AMBROSIO, HARVARD UNIVERSITY FROM MOLECULES TO MOVEMENT: MAPPING BIOCHEMICAL SIGNATURES OF AGING AND EXERCISE CHAIR: CATERINA ROSANO, UNIVERSITY OF PITTSBURGH
30-JUN-	09:30 AM	10:00 AM	AUDITORIUM 2	HONOURARY MEMBER PRESENTATION
30-JUN-	10:00 AM	12:30 PM	EXPO FOYER	POSTER SESSION 1 (REFRESHMENTS 10:00 AM - 10:30 AM)
30-JUN-	12:30 PM	01:30 PM	EXPO FOYER	LUNCH
30-JUN-	01:30 PM	03:00 PM	AUDITORIUM 2	S.01: NOVEL TECHNOLOGIES FOR ENHANCING REHABILITATION IN PARKINSON'S DISEASE CHAIRS: ROSIE MORRIS, NORTHUMBRIA UNIVERSITY & MORAN GILAT, KU LEUVEN S.01.1 - NEW TECHNOLOGICAL APPROACHES - FEASIBILITY AND EFFECTS IN ADVANCED DISEASE ALICE NIEUWBOER, KU LEUVEN S.01.2 - INNOVATIVE TECHNOLOGY TO IMPROVE GAIT OUTCOMES IN PARKINSON DISEASE TERRY ELLIS, BOSTON UNIVERSITY S.01.3 - A TACTILE CUEING DEVICE TO IMPROVE GAIT AUTOMATICITY IN PARKINSON'S DISEASE: MARTINA MANCINI, OREGON HEALTH & SCIENCE UNIVERSITY S.01.4 - NOVEL TECHNOLOGIES FOR ENHANCING REHABILITATION IN PARKINSON'S DISEASE: A CO-DESIGNED APP FOR FALLS REPORTING IN PEOPLE WITH PARKINSON’S ROSIE MORRIS, NORTHUMBRIA UNIVERSITY
30-JUN-	01:30 PM	03:00 PM	0.5 PARIS	S.02: BRIDGING ROBOTS AND HUMANS IN BALANCE CONTROL CHAIR: NOEL KEIJSERS, SINT MAARTENSKLINIEK S.02.1 - DATA-DRIVEN APPROACHES TO ENHANCE STABILITY WITH WEARABLE ROBOTS DURING PERTURBED WALKING AARON YOUNG, GEORGIA INSTITUTE OF TECHNOLOGY S.02.2 - ADVANCING BALANCE ASSESSMENT: TECHNOLOGY’S ROLE IN EVALUATING DYNAMIC TASKS LIKE CYCLING NURIA PENA-PEREZ, RWTH AACHEN S.02.3 - ADAPTATION OF CENTER OF MASS KINEMATICS AND EMG ACTIVITY TO EXOSKELETON BALANCE SUPPORT EDWIN VAN ASSELDONK, UNIVERSITY OF TWENTE S.02.4 - EXOSKELETON MOTOR LEARNING AND MOTOR CONTROL IN INDIVIDUALS WITH COMPLETE SPINAL CORD INJURY NOEL KEIJSERS, SINT MAARTENSKLINIEK
30-JUN-	01:30 PM	03:00 PM	0.4 BRUSSELS	S.03: REACHING CONSENSUS ON PRIORITIES FOR AI APPLICATIONS FOR FALL RISK MANAGEMENT CHAIRS: KIMBERLEY VAN SCHOOTEN, UNIVERSITY OF NEW SOUTH WALES & PIERPAOLO PALUMBO, UNIVERSITY OF BOLOGNA S.03.1 – CONOR WALL S.03.2 - WEARABLE INERTIAL SENSORS FOR FALL RISK ASSESSMENT IN COMMUNITY-LIVING INDIVIDUALS: PRELIMINARY FINDINGS AND INSIGHTS FROM A SYSTEMATIC REVIEW AND INDIVIDUAL PARTICIPANT DATA META-ANALYSIS

				<p>PAOLA DI FLORIO, UNIVERSITY OF BOLOGNA</p> <p>S.03.3 - TOWARDS AI-DRIVEN PERSONALIZATION IN HOME-BASED COGNITIVE-MOTOR EXERGAME TRAINING FOR OLDER ADULTS: A CONCEPTUAL FRAMEWORK ASLI KARAMANLARGIL, ETH ZURICH</p>
30-JUN-	01:30 PM	03:00 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>S.04: I AM MY ENVIRONMENT: PUSHING THE THEORIES OF ADAPTIVE LOCOMOTOR CONTROL</p> <p>CHAIR: ANNE-HÉLÈNE OLIVIER, UNIVERSITY OF RENNES</p> <p>S.04.1 - STEPPING INTENTIONALLY: THE GOAL-DIRECTEDNESS OF WALKING JONATHAN DINGWELL, PENNSYLVANIA STATE UNIVERSITY</p> <p>S.04.2 - AN ECOLOGICAL PERSPECTIVE ON THE INTERPLAY BETWEEN THE OBSERVER AND THE ENVIRONMENT IN CONTROLLING AND ADAPTING LOCOMOTION MICHAEL CINELLI, WILFRID LAURIER UNIVERSITY</p> <p>S.04.3 - ADAPTIVE LOCOMOTOR CONTROL IN POPULATED ENVIRONMENTS ANNE-HÉLÈNE OLIVIER, UNIVERSITY OF RENNES</p> <p>S.04.4 - CONCEPTUALIZING VISUO-LOCOMOTOR ADAPTIVE CONTROL BRADFORD MCFADYEN, UNIVERSITÉ LAVAL-CIRRIIS</p>
30-JUN-	03:00 PM	03:30 PM	EXPO FOYER	COFFEE BREAK
30-JUN-	03:30 PM	05:30 PM	AUDITORIUM 2	<p>O.01: COORDINATION OF POSTURE AND GAIT IN PD</p> <p>CHAIR: KARA PATTERSON, KITE-RESEARCH INSTITUTE</p> <p>O.01.1 - LIMB COORDINATION IN PARKINSON’S DISEASE PATIENTS WITH FREEZING OF GAIT MARCO ROMANATO, SORBONNE UNIVERSITÉ</p> <p>O.01.2 - CHARACTERISING ANTICIPATORY POSTURAL ADJUSTMENTS IN TURNING: A COMPARISON BETWEEN HEALTHY OLDER ADULTS AND PEOPLE WITH PARKINSON’S DISEASE YURI RUSSO, UNIVERSITY OF EXETER</p> <p>O.01.3 - INVESTIGATING FOOT PLACEMENT CONTROL AS A MECHANISM OF GAIT INSTABILITY IN PARKINSON’S DISEASE CHARLOTTE LANG, ETH ZURICH</p> <p>O.01.4 - EFFECT OF INTENSITY PERSONALIZATION ON WEARABLE SYSTEMS FOR REAL-TIME FREEZING OF GAIT PREVENTION IN PARKINSON’S DISEASE AYHAM ALAKHRAS, UNIVERSITY OF WATERLOO</p> <p>O.01.5 - ENHANCING FALL RISK ASSESSMENT IN PARKINSON'S DISEASE USING AI-DRIVEN CONTEXTUAL GAIT ANALYSIS ALAN GODFREY, NORTHUMBRIA UNIVERSITY</p> <p>O.01.6 - DISCORDANCE BETWEEN BALANCE ABILITY AND PERCEPTION PREDICTS FALLS IN PARKINSON’S DISEASE: A COORDINATED ANALYSIS AND REPLICATION JASON LONGHURST, SAINT LOUIS UNIVERSITY</p> <p>O.01.7 - DIURNAL VARIATIONS IN GAIT QUALITY IN ISOLATED REM SLEEP BEHAVIOUR DISORDER HAJR HAMEED, UNIVERSITY OF WATERLOO</p> <p>O.01.8 - FROM INCREASED HEART RATE TO STRIDE VARIABILITY: HOW SHORT PHYSICAL EXERTION CAN INFLUENCE FREE WALKING IN CEREBELLAR ATAXIA JENS SEEMANN, HERTIE INSTITUTE FOR CLINICAL BRAIN RESEARCH</p>
30-JUN-	03:30 PM	05:30 PM	0.5 PARIS	<p>O.02: AGING AND THE BRAIN</p> <p>CHAIR: PAULO PELICIONI, UNIVERSITY OF NEW SOUTH WALES</p> <p>O.02.1 - ASSOCIATION BETWEEN MOBILITY FUNCTION AND APERIODIC EEG COMPONENTS IN OLDER ADULTS CHARLOTTE DEVOL, UNIVERSITY OF FLORIDA</p> <p>O.02.2 - INTERSTRIDE SPECTRAL POWER IN THETA BAND EEG IS CORRELATED WITH MEDIOLATERAL EXCURSION IN BOTH OLDER AND YOUNGER INDIVIDUALS WALKING AT A RANGE OF SPEEDS JACOB SALMINEN, UNIVERSITY OF FLORIDA</p> <p>O.02.3 - AGE-RELATED REDUCTION IN THE CONTRIBUTION OF THE SUPPLEMENTARY MOTOR AREA (SMA) TO THE PERTURBATION-EVOKED BALANCE N1 DURING STANDING JANNA PROTZAK, EMORY UNIVERSITY & GEORGIA INSTITUTE OF TECHNOLOGY</p> <p>O.02.4 - EFFECT OF PERCEIVED POSTURAL THREAT ON PREFRONTAL CORTEX ACTIVITY DURING WALKING IN OLDER PEOPLE WITH AND WITHOUT FEAR OF FALLING</p>

				<p>JASMINE MENANT, NEUROSCIENCE RESEARCH AUSTRALIA; UNIVERSITY OF NEW SOUTH WALES</p> <p>O.02.5 - UNEVEN TERRAIN WALKING IS ASSOCIATED WITH BRAIN WHITE MATTER CHARACTERISTICS IN YOUNG AND OLDER ADULTS WITH VARYING PHYSICAL FUNCTION SEDA TASCI, UNIVERSITY OF FLORIDA</p> <p>O.02.6 - GAIT RESERVE AND VARIABILITY AS PREDICTORS OF DEMENTIA MARKERS JENNA YENTES, TEXAS A&M UNIVERSITY</p> <p>O.02.7 - THE DOSE-RESPONSE RELATIONSHIP BETWEEN THE ELECTRICAL FIELD OF TDCS TARGETING LEFT DLPFC AND DUAL-TASK GAIT PERFORMANCE IN OLDER ADULTS JUNHONG ZHOU, HARVARD MEDICAL SCHOOL</p> <p>O.02.8 - REACTIVE BALANCE CONTROL MAY BE REGULATED BY DIFFERENT NEURAL NETWORKS IN OLDER ADULTS WITH MILD COGNITIVE IMPAIRMENT COMPARED TO COGNITIVELY INTACT ADULTS: A RESTING STATE FMRI ANALYSIS TANVI BHATT, UNIVERSITY OF ILLINOIS CHICAGO</p>
30-JUN-	03:30 PM	05:30 PM	0.4 BRUSSELS	<p>O.03: FALLS: MECHANISM PREDICTION AND INTERVENTION</p> <p>CHAIR: CHRISTOPHER MCCRUM, MAASTRICHT UNIVERSITY</p> <p>O.03.1 - CORTICAL MODULATION OF REACTIVE BALANCE CONTROL FOR FALL PREVENTION: CHANGES IN BETA FREQUENCIES DURING MOTOR ADAPTATION TO WALK-SLIPS IN HEALTHY ADULTS RUDRI PUROHIT, UNIVERSITY OF ILLINOIS CHICAGO</p> <p>O.03.2 - PREVENTING FALL INJURIES IN OLDER PEOPLE VIA REACTIVE BALANCE TRAINING USING REPEATED TRIPS AND SLIPS: THE SAFETrip BLINDED RANDOMISED CONTROLLED TRIAL YOSHIRO OKUBO, NEUROSCIENCE RESEARCH AUSTRALIA</p> <p>O.03.3 - BASELINE LIFE-SPACE MOBILITY PREDICTS FALLS IN OLDER ADULTS WITH CHRONIC STROKE: A SECONDARY ANALYSIS OF A 6-MONTH RANDOMIZED CLINICAL TRIAL JENNIFER DAVIS, UNIVERSITY OF BRITISH COLUMBIA, OKANAGAN</p> <p>O.03.4 - PARTICIPATORY EVALUATION OF ENVIRONMENTAL FALL RISK FACTORS ANTOINE LANGEARD, UNIVERSITÉ DE CAEN NORMANDIE</p> <p>O.03.5 - THE COST-EFFECTIVENESS OF THE DUTCH IN BALANCE FALL PREVENTION INTERVENTION COMPARED TO EXERCISE RECOMMENDATIONS AMONG COMMUNITY-DWELLING OLDER ADULTS WITH AN INCREASED RISK OF FALLS: A RANDOMIZED CONTROLLED TRIAL MAAIKE GAMEREN, VRIJE UNIVERSITEIT AMSTERDAM</p> <p>O.03.6 - HUMAN-OBJECT INTERACTIONS AND RISK FOR HEAD INJURY DURING VIDEO-CAPTURED FALLS IN OLDER ADULTS STEPHEN ROBINOVITCH, SIMON FRASER UNIVERSITY</p> <p>O.03.7 - AGE-RELATED ASSOCIATIONS BETWEEN PARAMETERS OF BALANCE RECOVERY STEPPING, SELF-INITIATED STEPPING AND GRAY MATTER VOLUME INBAL PARAN, BEN GURION UNIVERSITY OF THE NEGEV</p>
30-JUN-	03:30 PM	05:30 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>O.04: ADAPTATION AND COORDINATION</p> <p>CHAIR: MASAHIRO SHINYA, HIROSHIMA UNIVERSITY</p> <p>O.04.1 - LINEAR AND ANGULAR MOMENTUM ARE SIMULTANEOUSLY CONTROLLED IN WALKING JAAP VAN DIEËN, VRIJE UNIVERSITEIT AMSTERDAM</p> <p>O.04.2 - VISUAL INFORMATION INFLUENCES HOW PEOPLE REGULATE LATERAL STEPPING WHILE WALKING ON CURVED PATHS ANNA RENDER, PENNSYLVANIA STATE UNIVERSITY</p> <p>O.04.3 - POI MORE ACCURATELY REFLECTS RISK OF INSTABILITY WHILE WALKING THAN THE MEAN OF MOS JONATHAN DINGWELL, PENNSYLVANIA STATE UNIVERSITY</p> <p>O.04.4 - RELIABILITY AND DISCRIMINATIVE VALIDITY OF THE WALKING ADAPTABILITY LADDER TEST IN AN ADULT POPULATION MARIJNE NIEUWELINK, SINT MAARTENSKLINIEK</p> <p>O.04.5 - THE CONTRIBUTION OF VESTIBULAR AND PROPRIOCEPTIVE INFORMATION TO TRUNK STABILIZATION VARIES BETWEEN POSTURAL TASKS AND WALKING SPEEDS YIYUAN LI, VRIJE UNIVERSITEIT AMSTERDAM</p> <p>O.04.6 - CORTICAL DYNAMICS UNDERLYING INITIATION OF RAPID STEPS WITH CONTRASTING POSTURAL DEMANDS ILSE GIESBERS, RADBOUD UNIVERSITY MEDICAL CENTER</p>

				<p>O.04.7 - WHOLE-BODY REACHING: STRATEGY CLASSIFICATION IN HEALTHY ADULTS DURING BIMANUAL AND UNIMANUAL LIFTING PAOLA DI FLORIO, UNIVERSITY OF BOLOGNA</p> <p>O.04.8 - EXOSKELETON BALANCE SUPPORT ALTERS THE RELATIONSHIP BETWEEN CoM KINEMATICS AND REACTIVE ANKLE MUSCLE ACTIVITY EDWIN VAN ASSELDONK, UNIVERSITY OF TWENTE</p>
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JULY 1

01-JUL-	08:30 AM	09:30 AM	AUDITORIUM 2	<p>KEYNOTE 3: OLE KIEHN, UNIVERSITY OF COPENHAGEN UNRAVELLING BRAINSTEM CIRCUITS FOR MOVEMENT: INSIGHTS INTO LOCOMOTOR CONTROL AND IMPLICATIONS FOR TREATMENT OF GAIT DISORDERS CHAIR: MELVYN ROERDINK, MAASTRICHT UNIVERSITY</p>
01-JUL-	09:30 AM	10:00 AM	AUDITORIUM 2	<p>PROMISING SCIENTIST AWARD TALK FALL PREVENTION THROUGH THE LENS OF A SPRINTS COACH: 11 YEARS OF RESEARCH ON TASK-SPECIFIC METHODOLOGY AND INTERVENTIONS CHRISTOPHER MCCRUM, MAASTRICHT UNIVERSITY</p>
01-JUL-	10:00 AM	12:00 PM	EXPO FOYER	<p>POSTER SESSION 2 (REFRESHMENTS 10:00 AM - 10:30 AM)</p>
01-JUL-	12:00 PM	01:00 PM	AUDITORIUM 2	<p>YES / NO DEBATE: END-TO-END PATIENT AND PUBLIC INVOLVEMENT IN RESEARCH: PANACEA OR PITFALL? YES TEAM: BAS BLOEM & MEGHAN AMBRENS NO TEAM: WILL YOUNG & MORAG TAYLOR</p>
01-JUL-	01:00 PM	02:00 PM	EXPO FOYER	<p>LUNCH</p>
01-JUL-	02:00 PM	03:30 PM	AUDITORIUM 2	<p>S.05: WORTH THE EFFORT? RETHINKING BEST PRACTICES FOR CO-DEVELOPING TECHNOLOGY ENHANCED TRAINING APPROACHES</p>

				<p>CHAIR: PATRICK MANSER, KAROLINSKA INSTITUTET</p> <p>S.05.1 - KEY METHODOLOGICAL LEARNINGS FROM ‘BRAIN-IT’ ON PERSONALIZED EXERGAME-BASED TRAINING WITH BIOFEEDBACK BREATHING IN NEUROCOGNITIVE DISORDERS ELING DE BRUIN, OST ST.GALLEN & IBWS ETH</p> <p>S.05.2 - DEVELOPING EXERGAMES FOR ENHANCING COGNITION IN OLDER ADULTS: CONCEPTUAL AND METHODOLOGICAL FRAMEWORKS JEAN-JACQUES TEMPRADO, AIX MARSEILLE UNIVERSITÉ</p> <p>S.05.3 - CO-DEVELOP-IT^2: CO-DESIGN, DEVELOPMENT, AND EVALUATION OF SERIOUS INDIVIDUALLY TAILORED TECHNOLOGY-ENHANCED TRAINING APPROACHES - METHODOLOGICAL GUIDELINE DEVELOPMENT STUDY JEAN-JACQUES TEMPRADO, AIX MARSEILLE UNIVERSITÉ</p> <p>S.05.4 - PARK-MOVE: MOVING TOWARDS PRECISION REHABILITATION THROUGH CO-DESIGN, DEVELOPMENT AND EVALUATION OF AN EXERGAME-BASED TRAINING CONCEPT FOR INDIVIDUALS WITH PARKINSON'S DISEASE ERIKA FRANZÉN, KAROLINSKA INSTITUTET</p> <p>S.05.5 - CO-DEVELOPMENT OF AUGMENTED-REALITY HOME-BASED MOTOR-COGNITIVE EXERCISES FOR INDIVIDUALS WITH PARKINSON'S DISEASE LOTTE HARDEMAN, VRIJE UNIVERSITEIT AMSTERDAM</p>
01-JUL-	02:00 PM	03:30 PM	0.5 PARIS	<p>S.06: LEVERAGING PERIPHERAL STIMULATION STRATEGIES FOR NEUROMODULATION OF REACTIVE BALANCE RESPONSES</p>
				<p>CHAIR: TANVI BHATT, UNIVERSITY OF ILLINOIS CHICAGO</p> <p>S.06.1 - TANVI BHATT, UNIVERSITY OF ILLINOIS CHICAGO</p> <p>S.06.2 - THE PRIMING EFFECTS OF MECHANICAL VIBRATIONS ON TRIP-LIKE STANCE PERTURBATIONS IN HEALTHY ADULTS TAMAYA VAN CRIEKINGE, MAASTRICHT UNIVERSITY</p> <p>S.06.3 - INVESTIGATING VESTIBULAR CONTRIBUTIONS TO COMPENSATORY STEPPING REACTIONS VIA GALVANIC VESTIBULAR STIMULATION BRYE MCMORRAN, NORTHWESTERN POLYTECHNIC</p>
01-JUL-	02:00 PM	03:30 PM	0.4 BRUSSELS	<p>S.07: DISENTANGLING REAL-WORLD SIGNATURES OF LOCOMOTION IN AGEING AND NEURODEGENERATION: FROM DISEASE-SPECIFIC EARLY SIGNS TO DECREASED FUNCTIONAL MOBILITY</p>

				<p>CHAIRS: LISA ALCOCK, NEWCASTLE UNIVERSITY & WINFRIED ILG, HERTIE INSTITUTE FOR CLINICAL BRAIN RESEARCH</p> <p>S.07.1 - TURNING CHARACTERISTICS DURING EVERYDAY GAIT REFLECT FALL RISK IN OLDER PEOPLE KIMBERLEY VAN SCHOOTEN, UNIVERSITY OF NEW SOUTH WALES</p> <p>S.07.2 - REAL-WORLD MOBILITY MONITORING ACROSS DEMENTIA SUBTYPES: APPLICATIONS IN DIAGNOSIS AND POST-DIAGNOSTIC SUPPORT RIONA Mc ARDLE, NEWCASTLE UNIVERSITY</p> <p>S.07.3 - SIGNATURES OF REAL-WORLD MOBILITY IN PARKINSON’S DISEASE LISA ALCOCK, NEWCASTLE UNIVERSITY</p> <p>S.07.4 - SIGNATURES OF REAL-WORLD WALKING BEHAVIOR IN CEREBELLAR ATAXIA WINFRIED ILG, HERTIE INSTITUTE FOR CLINICAL BRAIN RESEARCH</p>
01-JUL-	02:00 PM	03:30 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>S.08: FEAR IN MOTION: EXPLORING PSYCHOLOGICAL FACTORS BEHIND FALLING IN OLDER ADULTS AND NEURODEGENERATIVE CONDITIONS</p>
				<p>CHAIR: TAYLOR TAKLA, WAYNE STATE UNIVERSITY</p> <p>S.08.1 - FROM CONFIDENCE TO FEAR: NEW INSIGHTS INTO EMOTIONAL FACTORS RELATED TO FALLS TOBY ELLMERS, IMPERIAL COLLEGE LONDON</p> <p>S.08.2 - BREAKING THE VICIOUS CYCLE: WHY ALL FALLS AND FEAR OF FALLING MUST BE PREVENTED TAYLOR TAKLA, WAYNE STATE UNIVERSITY</p> <p>S.08.3 - RETHINKING FALLS AND FEAR OF FALLING IN NEURODEGENERATIVE DISEASES: A CRITICAL EXAMINATION OF CONTEXT AND PHYSICAL ACTIVITY NORA FRITZ, WAYNE STATE UNIVERSITY</p> <p>S.08.4 - HOW FEAR OF FALLING AND PARTICIPATION MAY BE IMPACTED BY MISALIGNMENT OF PERCEIVED AND ACTUAL BALANCE ABILITY JASON LONGHURST, SAINT LOUIS UNIVERSITY & DANIEL PETERSON, ARIZONA STATE UNIVERSITY</p>
01-JUL-	03:30 PM	04:00 PM	EXPO FOYER	COFFEE BREAK
01-JUL-	04:00 PM	05:30 PM	AUDITORIUM 2	<p>S.09: MEASURES, MEASURES, MEASURES... AND WHAT ABOUT THE OUTCOMES?</p>
				<p>CHAIR: CLAUDIA MAZZÀ, THE UNIVERSITY OF SHEFFIELD</p> <p>S.09.1 - THE ART OF TRANSLATING DIGITAL OUTCOMES INTO CLINICALLY RELEVANT INSIGHTS CHARALAMPOS SOTIRAKIS, UNIVERSITY OF OXFORD</p> <p>S.09.2 - USING WEARABLE SENSORS IN CLINICAL PRACTICE, ARE WE THERE YET? APPLICATIONS TO EVALUATE, MONITOR, AND SUPPORT CLINICAL DECISION MAKING LUCA PALMERINI, UNIVERSITY OF BOLOGNA</p> <p>S.09.3 - FROM STRUCTURAL HEALTH MONITORING TO PATIENTS WITH MULTIPLE SCLEROSIS: DOES PREDICTIVE MAINTENANCE WORK IN GAIT? MATTHEW JONES, UNIVERSITY OF SHEFFIELD</p> <p>S.09.4 - PROGRESSION VS INTERVENTION – TWO SIDES OF THE SAME MEDAL OR TWO DIFFERENT PROBLEMS? EXAMPLES FROM GAIT AND BEYOND SILVIA DEL DIN, NEWCASTLE UNIVERSITY</p>
01-JUL-	04:00 PM	05:30 PM	0.5 PARIS	<p>S.10: MOBILE BRAIN-BODY IMAGING: WHAT HAVE WE LEARNT ABOUT THE NEURAL CONTROL OF HUMAN BALANCE AND GAIT?</p>
				<p>CHAIRS: TJEERD BOONSTRA, RADBOUD UNIVERSITY MEDICAL CENTER & KLAUS GRAMANN, TECHNISCHE UNIVERSITÄT BERLIN</p> <p>S.10.1 - A SWOT ANALYSIS OF MOBILE BRAIN-BODY IMAGING (MOBI) WITH HIGH-DENSITY EEG DANIEL FERRIS, UNIVERSITY OF FLORIDA</p> <p>S.10.2 - BRAIN IMAGING OF WHOLE BODY MOVEMENT WITH WEARABLE MEG MEAGHAN SPEDDEN, UCL QUEEN SQUARE INSTITUTE OF NEUROLOGY</p> <p>S.10.3 - CORTICAL DYNAMICS OF REACTIVE BALANCE CONTROL IN HEALTH AND DISEASE VIVIAN WEERDESTEYN, RADBOUD UNIVERSITY MEDICAL CENTER</p>
01-JUL-	04:00 PM	05:30 PM	0.4 BRUSSELS	<p>O.05: PD ASSESSMENT & INTERVENTIONS</p>
				<p>CHAIR: ISABELLE KILLANE, TECHNOLOGICAL UNIVERSITY DUBLIN</p> <p>O.05.1 - IDENTIFYING MEANINGFUL DIGITAL MOBILITY OUTCOMES IN PARKINSON’S DISEASE FOR REGULATORY APPROVAL: A FOCUS ON UNDERSERVED GROUPS</p>

				<p>JACK LUMSDON, NEWCASTLE UNIVERSITY</p> <p>O.05.2 - CUEING-ASSISTED GAMIFIED AUGMENTED-REALITY GAIT-AND-BALANCE REHABILITATION AT HOME FOR PEOPLE WITH PARKINSON'S DISEASE: A PRAGMATIC RANDOMIZED CONTROLLED TRIAL IMPLEMENTED IN THE CLINICAL PATHWAY EVA HOOGENDOORN, VRIJE UNIVERSITEIT AMSTERDAM</p> <p>O.05.3 - LONGITUDINAL CHANGES IN DIGITAL GAIT AND BALANCE MARKERS IN EARLY VS. MID-STAGE PARKINSON’S DISEASE DAVID ENGEL, OREGON HEALTH & SCIENCE UNIVERSITY</p> <p>O.05.4 - GROUP EXERCISE INCORPORATING BEHAVIOUR CHANGE INCREASES HIGH INTENSITY PHYSICAL ACTIVITY IN PEOPLE WITH PARKINSON’S DISEASE, A RANDOMISED CONTROLLED TRIAL SANDRA BRAUER, UNIVERSITY OF QUEENSLAND</p> <p>O.05.5 - REAL-WORLD GAIT TRAINING FOR PERSONS WITH PARKINSON’S DISEASE: A PILOT LONG-TERM TELE-REHABILITATION PROGRAM ILARIA D’ASCANIO, UNIVERSITY OF BOLOGNA</p> <p>O.05.6 - INSTRUMENTED VISION-BASED PULL TEST ASSESSMENT FOR DIFFERENTIAL DIAGNOSIS AND FALL RISK ASSESSMENT IN PARKINSONIAN SYNDROMES ANDREAS ZWERGAL, UNIVERSITY HOSPITAL OF MUNICH</p>
01-JUL-	04:00 PM	05:30 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>O.06: GAIT, FALLS AND COGNITION</p> <p>CHAIRS: TOBY ELLMERS, IMPERIAL COLLEGE LONDON & ELMAR KAL, BRUNEL UNIVERSITY OF LONDON</p> <p>O.06.1 - EXPLORING THE RELATIONSHIP BETWEEN FATIGUE SEVERITY, PREFRONTAL CORTEX ACTIVATION (PFCA), AND MOTOR-COGNITIVE PERFORMANCE DURING REPEATED DUAL-TASK WALKING BOUTS IN PEOPLE WITH MULTIPLE SCLEROSIS: A CROSS-SECTIONAL AND INTERVENTIONAL ANALYSIS IRINA GALPERIN, TEL AVIV UNIVERSITY; SOURASKY MEDICAL CENTER</p> <p>O.06.2 - COGNITIVE-MOTOR DUAL-TASK INTERFERENCE DURING RECOVERY FROM UNEXPECTED BALANCE LOSS IN LOWER LIMB PROSTHESES USERS ITSHAK MELZER, BEN GURION UNIVERSITY OF THE NEGEV</p> <p>O.06.3 - DISTRACTED STANDING: AMBIGUOUS TACTILE CUES TRIGGER STARTLE RESPONSES WHEN STANDING WITH INCREASED COGNITIVE LOAD JOHN MISIASZEK, UNIVERSITY OF ALBERTA</p> <p>O.06.4 - A CLUSTER ANALYSIS EXPLORING THE INTERPLAY OF GAIT, BALANCE, AND COGNITION IN FALLS RISK ASSESSMENT AND REHABILITATION BRITTANY SAMULSKI, OLD DOMINION UNIVERSITY</p> <p>O.06.5 - EFFECTS OF ANXIETY ON REACTIVE BALANCE FOLLOWING TRIP-LIKE PERTURBATIONS IN OLDER PEOPLE DAINA STURNIEKS, UNIVERSITY OF NEW SOUTH WALES</p> <p>O.06.6 - MISJUDGMENT IN OLDER ADULT DOMESTIC LADDER USE ERIKA PLINER, UNIVERSITY OF UTAH</p>
JULY 2				
02-JUL-	08:30 AM	09:30 AM	AUDITORIUM 2	<p>KEYNOTE 4: PETER SHULL, ROBOTICS INSTITUTE AT SHANGHAI JIAO TONG UNIVERSITY PAPER OR PRODUCT? HOW TO IMPACT SOCIETY THROUGH WEARABLES RESEARCH CHAIR: MELVYN ROERDINK, MAASTRICHT UNIVERSITY</p>
02-JUL-	09:30 AM	10:00 AM	AUDITORIUM 2	<p>EMERGING SCIENTIST TALK MACHINE LEARNING FOR GAIT ASSESSMENT IN PARKINSON’S DISEASE: INSIGHTS FROM TWO MULTICENTRE STUDIES BENJAMIN FILTJENS, KU LEUVEN</p>
02-JUL-	10:00 AM	12:00 PM	EXPO FOYER	POSTER SESSION 3 (REFRESHMENTS 10:00 AM - 10:30 AM)
02-JUL-	12:00 PM	01:00 PM	EXPO FOYER	LUNCH
02-JUL-	01:00 PM	02:30 PM	AUDITORIUM 2	<p>S.11: EXERGAMES FOR HEALTH: RANDOMIZED CONTROLLED TRIALS AND SYSTEMATIC REVIEW EVIDENCE FOR THE EFFECTS ON PHYSICAL AND COGNITIVE FUNCTIONING, BRAIN MODULATION, AND INFORMING THE DESIGNING FOR HEALTHY AND CLINICAL POPULATIONS</p> <p>CHAIR: ELEFThERIA GIANNOULI, ETH ZURICH</p> <p>S.11.1 - THE SMART±STEP TRIAL - PREVENTING FALLS WITH HOME-BASED EXERGAME TRAINING IN OLDER PEOPLE</p>

				<p>DAINA STURNIEKS, FALLS, BALANCE AND INJURY RESEARCH CENTRE, NEUROSCIENCE RESEARCH AUSTRALIA</p> <p>S.11.2 - IMPROVING GAIT DISORDERS WITH EXERGAMING IN PARKINSON’S DISEASE : CLINICAL AND NEUROPHYSIOLOGICAL EFFECTS MARIE-LAURE WELTER, CENTRE HOSPITALIER UNIVERSITAIRE ROUEN</p> <p>S.11.3 - FEASIBILITY AND EFFECTIVENESS OF HOME-BASED EXERGAMES FOR COGNITIVE-MOTOR TRAINING IN OLDER ADULTS: EVIDENCE FROM A PRAGMATIC RCT AND SYSTEMATIC REVIEW ELEFThERIA GIANNOULI, ETH ZURICH</p> <p>S.11.4 - LEVELING UP THE EXERGAME: MERGING SCIENTIFIC EVIDENCE WITH USER-CENTERED DESIGN ANNA LISA MARTIN-NIEDECKEN, ZURICH UNIVERSITY OF THE ARTS</p>
02-JUL-	01:00 PM	02:30 PM	0.5 PARIS	<p>S.12: RELEVANCE OF REAL-WORLD DIGITAL MOBILITY OUTCOMES FOR QUANTIFYING DISEASE PROGRESSION AND THERAPEUTIC RESPONSE IN PARKINSON’S DISEASE AND ATYPICAL PARKINSONIAN SYNDROMES</p>
				<p>CHAIRS: LISA ALCOCK, NEWCASTLE UNIVERSITY & HEIKO GABNER, UNIVERSITY HOSPITAL ERLANGEN</p> <p>S.12.1 - TOWARDS DIGITAL MOBILITY AS OUTCOME MEASURES IN PARKINSON’S DISEASE ALISON YARNALL, NEWCASTLE UNIVERSITY</p> <p>S.12.2 - DYNAMIC FALL RISK IN PEOPLE WITH PARKINSON’S DISEASE: UTILITY OF REAL-WORLD DIGITAL MOBILITY OUTCOMES LISA ALCOCK, NEWCASTLE UNIVERSITY</p> <p>S.12.3 - DAILY VARIATIONS OF MOBILITY AT HOME: DOES IT RELATE TO FREEZING OF GAIT IN PARKINSON’S DISEASE? CHRISTIAN SCHLENSTEDT, MEDICAL SCHOOL HAMBURG</p> <p>S.12.4 - EFFECTS OF TAILORED INTENSE PHYSICAL EXERCISE IN THE HOSPITAL AND PATIENTS’ DAILY LIFE IN PARKINSON’S DISEASE AND ATYPICAL PARKINSONIAN DISORDERS. A MULTICENTER, DOUBLE-BLIND, RANDOMIZED CONTROLLED TRIAL HEIKO GABNER, UNIVERSITY HOSPITAL ERLANGEN</p>
02-JUL-	01:00 PM	02:30 PM	0.4 BRUSSELS	<p>S.13: CURRENT AND EMERGING APPROACHES TO IMPROVING BALANCE AND GAIT IN VESTIBULOPATHY</p>
				<p>CHAIR: CHRISTOPHER MCCRUM, MAASTRICHT UNIVERSITY</p> <p>S.13.1 - GAIT IMPAIRMENTS IN PATIENTS WITH VESTIBULOPATHY ANISSA BOUTABLA, GENEVA UNIVERSITY HOSPITALS</p> <p>S.13.2 - INDIVIDUALIZED REHABILITATION THERAPY TO IMPROVE GAIT AND BALANCE IN BILATERAL VESTIBULAR HYPOFUNCTION KLAUS JAHN, SCHÖN KLINIK BAD AIBLING</p> <p>S.13.3 - ENHANCING PERCEPTUAL AND POSTURAL FUNCTION IN BILATERAL VESTIBULOPATHY THROUGH LOW-INTENSITY VESTIBULAR NOISE STIMULATION ANDREAS ZWERGAL, UNIVERSITY HOSPITAL OF MUNICH</p> <p>S.13.4 - EFFECTS OF THE VESTIBULOCOCHLEAR IMPLANT ON BALANCE AND GAIT IN BILATERAL VESTIBULOPATHY MEICHAN ZHU, MAASTRICHT UNIVERSITY</p>
02-JUL-	01:00 PM	02:30 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>S.14: COMPENSATORY NEURAL MECHANISMS IN THE PREFRONTAL CORTEX: ATTENTIONAL RESOURCES FOR GAIT AND BALANCE IN AGING AND MILD COGNITIVE IMPAIRMENT</p>
				<p>CHAIR: GELSY TORRES-OVIEDO, UNIVERSITY OF PITTSBURGH</p> <p>S.14.1 - RETENTION RATE IN MOTOR ADAPTATION: A BIOMARKER OF MILD COGNITIVE IMPAIRMENT PIETER MEDENDORP, RADBOUD UNIVERSITY; DONDE RS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOUR</p> <p>S.14.2 - COGNITIVE CONTRIBUTIONS TO WALKING IN OLDER ADULTS GELSY TORRES-OVIEDO, UNIVERSITY OF PITTSBURGH</p> <p>S.14.3 - GAIT ADAPTATION AND MODULATION DEFICITS IN OLDER ADULTS WITH AND WITHOUT COGNITIVE IMPAIRMENTS TRISHA KESAR, EMORY UNIVERSITY</p> <p>S.14.4 - TANVI BHATT, UNIVERSITY OF ILLINOIS CHICAGO</p>

02-JUL-	02:30 PM	03:00 PM	EXPO FOYER	COFFEE BREAK
02-JUL-	03:00 PM	05:00 PM	AUDITORIUM 2	O.07: STROKE MECHANISMS AND TREATMENT <p>CHAIR: AVRIL MANSFIELD, UNIVERSITY HEALTH NETWORK; UNIVERSITY OF TORONTO</p> <p>O.07.1 - REDUCED CAPACITY TO MODULATE SENSORY INFORMATION PROCESSING DURING REACTIVE BALANCE CONTROL IS ASSOCIATED WITH LOWER BALANCE AND COGNITIVE SET SHIFTING ABILITY IN AGING AND AFTER STROKE JASMINE MIRDAMADI, EMORY UNIVERSITY</p> <p>O.07.2 - TIME COURSE OF PRO- AND REACTIVE BALANCE CONTROL CHANGES DURING QUIET STANDING IN RELATION TO LEG MOTOR RECOVERY IN EARLY SUBACUTE STROKE - A PROSPECTIVE LONGITUDINAL STUDY AMBER VAN HINSBERG, UNIVERSITY OF ANTWERP</p> <p>O.07.3 - ALTERED GAZE BEHAVIOR AFTER A STROKE REFLECTS POOR BALANCE AND GAIT YOGEV KOREN, UNIVERSITY OF ANTWERP</p> <p>O.07.4 - AN INITIAL EXPLORATION OF THE CLINICAL PRESENTATION OF PEOPLE WITH STROKE WHO RESPOND TO A VISUAL FEEDBACK TRAINING INTERVENTION FOR TEMPORAL GAIT ASYMMETRY JANNA MARVYN, UHN - KITE RESEARCH INSTITUTE, UNIVERSITY OF TORONTO</p> <p>O.07.5 - LONGITUDINAL CHANGES IN RECOVERY AND REAL-WORLD PERFORMANCE DURING THE FIRST 6 MONTHS POST-STROKE AISHWARYA SHENOY, UNIVERSITY OF BRITISH COLUMBIA</p> <p>O.07.6 - FUNCTIONAL ELECTRICAL STIMULATION-AIDED PERTURBATION-BASED TRAINING CAN ENHANCE NEUROMODULATION OF REACTIVE BALANCE CONTROL TO REDUCE FALL-RISK IN PEOPLE WITH CHRONIC STROKE TANVI BHATT, UNIVERSITY OF ILLINOIS CHICAGO</p> <p>O.07.7 - DIFFERENCES IN CENTRE OF MASS MEASUREMENTS BETWEEN MARKERLESS AND MARKER-BASED MOTION CAPTURE SYSTEMS DURING BALANCE AND MOBILITY ASSESSMENTS IN INDIVIDUALS WITH SUB-ACUTE STROKE NIGEL MAJONI, UNIVERSITY OF TORONTO</p> <p>O.07.8 - EFFECT OF SURGICAL CORRECTION OF PES EQUINOVARUS IN PEOPLE WITH UPPER MOTOR NEURON SYNDROME JORIK NONNEKES, RADBOUD UNIVERSITY MEDICAL CENTRE</p>
02-JUL-	03:00 PM	05:00 PM	0.5 PARIS	O.08: PD AND THE BRAIN <p>CHAIR: PAULO PELICIONI, UNIVERSITY OF NEW SOUTH WALES</p> <p>O.08.1 - PRESERVED NEUROPLASTICITY IN PATIENTS AFFECTED BY PARKINSON’S DISEASE RESPONDERS TO COMPENSATORY EXTERNAL AUDITORY CUEING STRATEGIES FOR GAIT IMPAIRMENTS ALESSANDRO BOTTA, IRCCS SAN MARTINO HOSPITAL</p> <p>O.08.2 - HIGHER CORTICAL SENSORIMOTOR BETA OSCILLATIONS PRIOR TO BALANCE PERTURBATIONS ARE ASSOCIATED WITH BALANCE IMPAIRMENTS IN OLDER ADULTS WITH–BUT NOT WITHOUT–PARKINSON'S DISEASE ANDREW MONAGHAN, QUEEN'S UNIVERSITY BELFAST</p> <p>O.08.3 - CHOLINERGIC SYSTEM CHANGES ASSOCIATED WITH FREEZING OF GAIT IN PARKINSON’S DISEASE HAVE RIGHT HEMISPHERIC LATERALISATION NICOLAAS BOHNEN, UNIVERSITY OF MICHIGAN</p> <p>O.08.4 - RESTING-STATE FUNCTIONAL NEAR-INFRARED SPECTROSCOPY IN PEOPLE WITH PARKINSON’S DISEASE FRANZISKA ALBRECHT, KAROLINSKA INSTITUTET</p> <p>O.08.5 - NEURAL ACTIVITY UNDERPINNING REAL-TIME GAIT AND POSTURAL CONTROL IN PARKINSON'S DISEASE USING A NOVEL FDG-PET/MR IMAGING METHODOLOGY: THE DYNAMO-PD STUDY HILMAR SIGURDSSON, NEWCASTLE UNIVERSITY</p> <p>O.08.6 - RESTING-STATE EEG ALPHA REACTIVITY IS REDUCED IN PARKINSON’S DISEASE AND ASSOCIATED WITH GAIT VARIABILITY AND COGNITION RODRIGO VITORIO, UNIVERSITY OF SÃO PAULO</p> <p>O.08.7 - NEURAL ACTIVITY DURING TURNING IN PARKINSON’S DISEASE: A MOBILE EEG STUDY SAMUEL STUART, NORTHUMBRIA UNIVERSITY</p>
02-JUL-	03:00 PM	05:00 PM	0.4 BRUSSELS	O.09: VESTIBULAR FUNCTION AND DISORDERS

				CHAIRS: NATELA SHANIDZE, SMITH-KETTLEWELL EYE RESEARCH INSTITUTE & KATE AGATHOS, SMITH-KETTLEWELL EYE RESEARCH INSTITUTE O.09.1 - A MODELING APPROACH TO IDENTIFYING CAUSES AND POTENTIAL TREATMENTS FOR POOR WALKING STABILITY IN PEOPLE WITH VESTIBULAR HYPOFUNCTION MICHELLE HARTER, UNIVERSITY OF PITTSBURGH O.09.2 - ACUTE IMBALANCE SYNDROME (AIS) VERSUS ACUTE VESTIBULAR SYNDROME (AVS): DIFFERENTIATION MATTERS KEN MÖHWALD, UNIVERSITY HOSPITAL, LMU MUNICH O.09.3 - THE GENEVA BALANCE TEST AS A USEFUL TOOL TO MONITOR PEDIATRIC PATIENTS WITH BILATERAL VESTIBULOPATHY AFTER VESTIBULAR REHABILITATION EMILE MONIN, UNIVERSITY HOSPITAL OF GENEVA O.09.4 - VISUAL-VESTIBULAR INTEGRATION DURING WALKING AFTER CONCUSSION STEPHEN PERRY, WILFRID LAURIER UNIVERSITY O.09.5 - UNPERTURBED AND PERTURBED GAIT VARIABILITY IN BILATERAL VESTIBULOPATHY VS. AGE-MATCHED HEALTHY CONTROLS MEICHAN ZHU, MAASTRICHT UNIVERSITY O.09.6 - LIFETIME NOISE EXPOSURE IS ASSOCIATED WITH GREATER POSTURAL SWAY DURING QUIET STANCE NATELA SHANIDZE, SMITH-KETTLEWELL EYE RESEARCH INSTITUTE O.09.7 - THE ACUTE INFLUENCE OF CANNABIS INGESTION ON WHOLE-BODY VESTIBULAR-EVOKED BALANCE RESPONSES PAIGE COPELAND, UNIVERSITY OF BRITISH COLUMBIA, OKANAGAN O.09.8 - DESPITE AN IMPAIRED POSTURAL CONTROL AFTER REPOSITIONING MANEUVERS, FEAR OF FALLING NORMALIZED IN OLDER ADULTS WITH BENIGN PAROXYSMAL POSITIONING VERTIGO SARA PAUWELS, HASSELT UNIVERSITY
02-JUL-	03:00 PM	05:00 PM	0.2 BERLIN + 0.3 COPENHAGEN	O.10: SENSORIMOTOR CONTROL: METHODS AND FINDINGS CHAIR: ANN HALLEMANS, UNIVERSITY OF ANTWERP O.10.1 - THE POSTURAL CONTROL SYSTEM RESPONDS TO THREE-DIMENSIONAL PSEUDORANDOM PERTURBATIONS MANAMI FUJII, THE OHIO STATE UNIVERSITY O.10.2 - PRESBYOPIA ONSET AFFECTS DYNAMIC VISUAL ACUITY VIA MOTOR ADAPTATION IN NATURALISTIC VIEWING CONDITIONS MIRA BAROUD, ESSILOR LUXOTTICA O.10.3 - RE-LEARNING TO STAND WITH NOVEL SENSORIMOTOR DELAYS IN BALANCE CONTROL BRANDON RASMAN, DONDEERS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOUR O.10.4 - PROPRIOCEPTIVE TRAINING IMPROVES POSTURAL CONTROL IN PEOPLE WITH LOW BACK PAIN: A PROOF-OF-CONCEPT STUDY SOFIE DIERCKX, HASSELT UNIVERSITY O.10.5 - DO CHILDREN WITH CP HAVE A GREATER DEPENDENCY ON VISUAL INFORMATION TO MAINTAIN STANDING BALANCE THAN TYPICALLY DEVELOPING CHILDREN? A SYSTEMATIC REVIEW WITH META-ANALYSIS JONAS SCHRÖDER, HASSELT UNIVERSITY O.10.6 - A PROTOCOL AND SOFTWARE TO ASSESS COIL-HEAD STABILITY DURING TMS GAIT STUDIES SJOERD BRUIJN, VRIJE UNIVERSITEIT AMSTERDAM O.10.7 - ON THE ORIGIN OF SENSORY REWEIGHTING IN HUMAN STANDING BALANCE LORENZ ASSLÄNDER, UNIVERSITÄT KONSTANZ O.10.8 - THE INFLUENCE OF HINDLIMB AFFERENT INPUTS ON LUMBAR SPINAL INTERNEURONS IN THE CAT MARTIN ZABACK, TEMPLE UNIVERSITY
02-JUL-	05:00 PM	05:45 PM		COMMITTEES MEETING
02-JUL-	07:00 PM	LATE	IPANEMA:	GALA DINNER: AVENUE CERAMIUE 250 6221 KX MAASTRICHT

JULY 3				
03-JUL-	08:30 AM	09:30 AM	AUDITORIUM 2	KEYNOTE 5: KATHY CULLEN, JOHNS HOPKINS UNIVERSITY DEFYING GRAVITY: NEURAL COMPUTATIONS FOR POSTURAL STABILITY AND VOLUNTARY MOTION CHAIR: CATERINA ROSANO, UNIVERSITY OF PITTSBURGH
03-JUL-	09:30 AM	10:30 AM	AUDITORIUM 2	3MT COMPETITION
03-JUL-	10:30 AM	11:00 AM	EXPO FOYER	COFFEE BREAK
02-JUL-	11:00 AM	12:30 PM	AUDITORIUM 2	S.15: PERTURBATION-BASED BALANCE TRAINING – THE WAY TO GO IN FALLS PREVENTION? CHAIR: JESSICA KOSCHATE-STORM, UNIVERSITY OF OLDENBURG & AVRIL MANSFIELD, UNIVERSITY HEALTH NETWORK; UNIVERSITY OF TORONTO S.15.1 - INFLUENCE OF REACTIVE BALANCE TRAINING PROGRAM CHARACTERISTICS ON REACTIVE BALANCE CONTROL AND FALL RISK: A SYSTEMATIC REVIEW AND META-ANALYSIS HADAS NACHMANI, HADASSAH MEDICAL CENTER S.15.2 - EFFECTS OF TRIP AND SLIP TRAINING ON DAILY-LIFE FALLS AND NEUROMUSCULAR MECHANISMS YOSHIRO OKUBO, NEUROSCIENCE RESEARCH AUSTRALIA S.15.3 - REACTIVE BALANCE IN STANDING IMPROVES FOLLOWING PARTICIPATION IN REACTIVE-BASED PERTURBATION TRAINING PERFORMED ON A PERTURBATION BICYCLE ITSHAK MELZER, BEN GURION UNIVERSITY OF THE NEGEV S.15.4 - TRAINING AT THE LIMIT OF BALANCE CONTROL ON A PERTURBATION TREADMILL TO PREVENT UNRECOVERED FALLS IN GERIATRIC PATIENTS WITH AND WITHOUT COGNITIVE IMPAIRMENT (TRAIL) – A STUDY PROTOCOL MICHEL HACKBARTH, UNIVERSITY OF OLDENBURG
02-JUL-	11:00 AM	12:30 PM	0.5 PARIS	S.16: THE USE OF LARGE-SCALE VIRTUAL REALITY SYSTEMS FOR BASIC AND CLINICAL RESEARCH OF GAIT AND POSTURE CHAIRS: MEIR PLOTNIK, SHEBA MEDICAL CENTER & MENNO VELDMAN, UNIVERSITY MEDICAL CENTER, UNIVERSITY OF GRONINGEN S.16.1 - STUDYING INTEGRATIVE PROCESSES OF COGNITIVE, MOTOR AND AFFECT COMPETENCIES IN HEALTH ADULTS USING VIRTUAL REALITY MEIR PLOTNIK, SHEBA MEDICAL CENTER & MENNO VELDMAN S.16.2 - EFFECTS OF AGE AND PHYSICAL ACTIVITY ON ADAPTATION OF KINEMATIC AND SPECTRAL GAIT PARAMETERS TO OPTIC FLOW PERTURBATION CHUNCHUN WU, UNIVERSITY MEDICAL CENTER GRONINGEN S.16.3 - GAIT ASSESSMENT THROUGH THE GRAIL SYSTEM IN CHILDREN WITH CEREBRAL PALSY DURING AGILIK EXOSKELETON TRAINING EMILIA BIFFI, SCIENTIFIC INSTITUTE, IRCCS EUGENIO MEDEA – ASS. LA NOSTRA FAMIGLIA, BOSISIO PARIN S.16.4 - WILL YOUNG, UNIVERSITY OF EXETER
03-JUL-	11:00 AM	12:30 PM	0.4 BRUSSELS	O.11: DIGITAL REAL WORLD MOBILITY OUTCOMES CHAIR: GIUSEPPE VANNOZZI, UNIVERSITÀ DI ROMA FORO ITALICO O.11.1 - WALKING IN OLDER ADULTS: COMPARING LAB-BASED AND REAL-WORLD ASSESSMENTS USING DIGITAL MOBILITY OUTCOMES JOSE ALBITES-SANABRIA, UNIVERSITY OF BOLOGNA O.11.2 - A NOVEL CARDIOVASCULAR ADAPTATION RESPONSE BASED ON 24-HR TIME-LOCKED HEART RATE AND DAILY ACTIVITIES IN COMMUNITY-DWELLING OLDER ADULTS EITAN ASHER, SOURASKY MEDICAL CENTER O.11.3 - INTEGRATING IMU AND NARRATIVE REPORTS FOR COMPREHENSIVE UNDERSTANDING OF REAL-WORLD FALL DYNAMICS NASER TALESHEI, UNIVERSITY OF EXETER O.11.4 - MEASURING HEAD MOVEMENTS DURING FREE-LIVING DAILY LIFE SELENA CHO, UNIVERSITY OF UTAH O.11.5 - A SENSOR FUSION METHOD TO RECONSTRUCT CoM VERTICAL DISPLACEMENT DURING DAILY-ACTIVITIES BASED ON BAROMETRIC AND INERTIAL DATA ALESSANDRA AUDISIO, POLITECNICO DI TORINO

				<p>O.11.6 - FEASIBILITY OF ESTIMATING DIGITAL MOBILITY OUTCOMES FROM SMARTPHONES IN REAL-WORLD CONDITIONS WITH MOBGAP, THE OPEN-SOURCE PACKAGE FOR MOBILITY ASSESSMENT BY MOBILISE-D PAOLO TASCA, POLITECNICO DI TORINO</p>
03-JUL-	11:00 AM	12:30 PM	0.2 BERLIN + 0.3 COPENHAGEN	<p>O.12: REHABILITATION: MECHANISM, ASSESSMENTS AND INTERVENTIONS</p> <p>CHAIR: MEGHAN AMBRENS, NEUROSCIENCE RESEARCH AUSTRALIA</p> <p>O.12.1 - FROM HIP TO ANKLE: EVIDENCE FOR GENERALIZED PROPRIOCEPTIVE DEFICITS IN CHILDREN WITH CEREBRAL PALSY THROUGH 3D MOTION ANALYSIS NINA JACOBS, HASSELT UNIVERSITY</p> <p>O.12.2 - FRONTOPIRIETAL BRAIN ACTIVITY DURING AN ANTICIPATORY POSTURAL CONTROL TASK IN CHILDREN WITH DEVELOPMENTAL COORDINATION DISORDER, CEREBRAL PALSY AND THOSE WITH TYPICAL DEVELOPMENT: AN fNIRS STUDY CHARLOTTE JOHNSON, UNIVERSITY OF ANTWERP; HASSELT UNIVERSITY</p> <p>O.12.3 - MOVEMENTS THAT MATTER TO PEOPLE WITH MULTIPLE SCLEROSIS: A PHOTOVOICE EXPLORATION INTO THE WALKING EXPERIENCE EMILY WOOD, MURDOCH UNIVERSITY</p> <p>O.12.4 - UNDERSTANDING TRIP MECHANISMS IN CHILDREN WITH CEREBRAL PALSY ON UNEVEN PAVEMENTS: INSIGHTS FOR FALL PREVENTION RICHARD FOSTER, ALDER HEY CHILDREN’S NHS FOUNDATION TRUST</p> <p>O.12.5 - MACHINE LEARNING MODELS FOR PREDICTING TREATMENT OUTCOMES IN CHRONIC NON-SPECIFIC BACK PAIN UNDERGOING LUMBAR EXTENSION TRACTION PAUL OAKLEY, YORK UNIVERSITY</p> <p>O.12.6 - EFFECT OF AN ANTI-GRAVITY EXOSUIT ON KINEMATICS IN INDIVIDUALS WITH INCOMPLETE SPINAL CORD INJURY LARA VISCH, SINT MAARTENSKLINIEK</p>
03-JUL-	12:30 PM	12:45 PM	AUDITORIUM 2	<p>AGM AND AWARDS</p>