

Detailed Programme

Wednesday 20 September

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| 14:00 – 15:30 Churchill Foyer | INVITED SYMPOSIUM “Making Paralympic Champions” |
| | Speakers: David Howe (Loughborough University, UK); Anjali Forber-Pratt (Vanderbilt University, USA); Sabine Radtke (Universität Paderborn, GER) Chairperson: David Legg, IPC Sports Science Committee (CAN) |
| 14:00 – 15:15 Mountbatten Foyer | FREE COMMUNICATIONS – Athlete Health and Performance |
| 14:00 – 14:15 | Relationships between internal and external training loads in handcyclists (#33) de Groot; Hoekstra; Grandjean Perrenod Comtesse; Kouwijzer; Valent |
| 14:15 – 14:30 | Improving mobility performance in wheelchair basketball (#51) Hoozemans; Veeger; Berger; van der Slikke; Veeger; de Witte |
| 14:30 – 14:45 | Effect of trunk muscle activation on trunk stability, arm power, and performance in wheelchair rugby players with a spinal cord injury (#60) Janssen; Kouwijzer, van der Meer |
| 14:45 – 15:00 | Understanding propulsive shoulder forces and scapular kinematics during manual wheelchair use (#128) Vegter; Paulson; Morrissey; Mason; Leving; van der Scheer; Bru; van der Woude; Tolfrey-Goosey |
| 15:00 – 15:15 | Shoulder internal and external range of motion and position sense of sitting volleyball players versus healthy players and non-athletes (#136) Zandi; Yazdanpanah |
| 16:00 – 17:15 Churchill Ballroom | FREE COMMUNICATIONS – Evidence Based Classification |
| 16:00 – 16:15 | A position stand guiding the sport-specific classification of athletes with vision impairment: What you need to know (#74) Mann; Ravensbergen |
| 16:15 – 16:30 | Detecting intentional misrepresentation when testing vision for classification (#106) Ravensbergen; de Bree; Broekens; Mann |
| 16:30 – 16:45 | Setting the classification standards for Para-shooters with vision impairment (#5) Allen; Latham; Mann; Ravensbergen; Myint |
| 16:45 – 17:00 | Visual function of Para Alpine and Para Nordic skiers with visual impairment (#30) Creese; Stalin; Leat; Thompson; Dalton |
| 17:00 – 17:15 | Investigation of motion perception in elite skiers with visual impairment (#116) Stalin; Creese; Roberts; Thompson; Leat; Dalton |
| 17:15-17:30 | Expert consensus for the evidence based classification of vision impairment in Judo (#67) Krabben |



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| 16:00 – 17:00 Mountbatten Ballroom | FREE COMMUNICATIONS – Socio-Economic Determinants of Paralympic Participation and Success |
| 16:00 – 16:15 | Pathways to the Paralympic Games: Sporting journeys of New Zealand Para athletes with a limb deficiency (#131) Wilson; Hogg; Millar; Walters |
| 16:15 – 16:30 | The impact of continental association affiliation and inequality-adjusted human development index level on NPC team size, gender split and medal success at the summer and winter Paralympic Games (#22) Brittain; Mashkovskiy |
| 16:30 – 16:45 | Doing a Brazilian: lessons on culture and community from Rio 2016 (#52) Howe; Silva |
| 16:45 – 17:00 | Understanding Paralympic Athletes' Pathways: a preliminary investigation (#97) Patatas; De Bosscher |



Thursday 21 September

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| 08:00 – 09:00 Churchill Ballroom | KEYNOTE ADDRESS "More Than Just a Game: The Public Health Impact of Sport and Physical Activity for Individuals with an Impairment" Dr. Cheri Blauwet, Harvard Medical School, USA |
| 09:00 - 10:30 Churchill Ballroom | INVITED SYMPOSIUM "Evidence-Based Classification in Paralympic Sport" |
| | Speakers: Raul Reina (University of Elche, ESP); Florentina Hettinga (University of Essex, UK); Rianne Ravensbergen (Vrije Universiteit Amsterdam, NED) Chairperson: Yves Vanlandewijck, IPC Sports Science Committee (BEL) |
| 09:00 – 10:00 Mountbatten Ballroom | FREE COMMUNICATIONS – Socio-Economic Determinants of Paralympic Participation and Success |
| 09:00 – 09:15 | Assessment of a sport socialization intervention programme on social skill learning of children with intellectual disability in Kakamega, Kenya (#3) Odiango; Bukhala; Nguka |
| 09:15 – 09:30 | Determinants of participation in Paralympic sports among athletes with disabilities in developing nations. The case of Kenya, Uganda and Tanzania (#24) Bukhala; Legg; Higgs |
| 09:30 – 09:45 | A framework for implementing Adapted Athletics programs in Australian Universities (#65) Kean; Oprescu; Verdonck; Gray; Burkett |
| 09:45 – 10:00 | Factors determining successful organization and participation of Special Schools Sports in Trans Nzoia Region, Kenya (#111) Sabiri; Bukhala |
| 11:00 – 12:00 Churchill Ballroom | FREE COMMUNICATIONS – Athlete Health and Performance |
| 11:00 – 11:15 | Quality participation in Para sport: A narrative perspective (#4) Allan; Smith; Côté; Ginis; Latimer-Cheung |
| 11:15 – 11:30 | Issues pertaining to development of athletes with a disability (#34) Dehghansai; Lemez; Wattie; Baker |
| 11:30 – 11:45 | Let me hear your body talk: Narratives of sport physiotherapy and Paralympic bodies (#103) Quinn |
| 11:45-12:00 | A 10-year analysis of fight outcomes between athletes of different classes |



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| | in the Paralympic judo (#76) Mashkovskiy |
| 11:00 – 12:15 Mountbatten Ballroom | FREE COMMUNICATIONS – Novel Initiatives |
| 11:00 – 11:15 | A comparison of 3 v 3 wheelchair basketball game formats for inclusion at the Commonwealth Games: a multidisciplinary approach (#77) Mason; van der Slikke; Berger; Goosey-Tolfrey |
| 11:15 – 11:30 | The PAPAI-model: a promising tool to increase sports participation and physical activity levels of children and young people with disabilities (#110) Saari; Skantz |
| 11:30 – 11:45 | Lessons from DoD Warrior Games: Challenges adopting Paralympic classification to Military Adaptive Sports (#72) Lucarevic; Danberg; Fowler |
| 11:45 – 12:00 | "We're the Superhumans": Print and online media representation of the Rio 2016 Paralympics (#79) McGillivray; McPherson; Misener; O'Donnell |
| 12:00 – 12:15 | Inclusive skating: a case study in the social and economic challenges and opportunities that arise when creating new Paralympic sports and the lessons to be learned for future development (#118) Sweeney-Baird |
| 13:30 – 15:00 Churchill Ballroom | INVITED SYMPOSIUM Talent Identification and development (TID) program for Paralympic sports |
| | Speakers: Joseph Baker (York University Toronto, CAN); Taisuke Kinugasa (Japan Sports Council); Martin Lam (Hong Kong Paralympic Committee & Sports Association for the Physically Disabled) Chairperson: Raymond So, IPC Sports Science Committee (HKG) |
| 13:30 – 15:00 Mountbatten Lane | POSTER SESSION 1 Technology – Athlete Health and Performance – Socio-Economic Determinants of Paralympic Participation and Success |
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| 15:30 – 17:00 Churchill Ballroom | FREE COMMUNICATIONS – Evidence Based Classification |
| 15:30 – 15:45 | Impact of limb deficiency impairment on Paralympic swimming performance: A step toward evidence-based classification (#50) Hogarth; Payton; Van de Vliet; Jarvis; Burkett |
| 15:45 – 16:00 | Para Swimming start performance: is the current classification system fit for |



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| | purpose? (#61) Jarvis; Payton; Hogarth; Burkett |
| 16:00 – 16:15 | Relationship between passive drag and front crawl performance time of Para swimmers (#93) Oh; Payton |
| 16:15-16:30 | Development of two evidence-based classification systems for Para Canoe (#20) Bjerkefors; Rosen; Tarassova; Arndt |
| 16:30 – 16:45 | Defining key joints for performance in va'a paddling: The first step in creating a sport-specific evidence-based classification system for para-va'a (#108) Rosen; Arndt; Goosey-Tolfrey; Mason; Hutchinson; Tarassova; Bjerkefors |
| 16:45 – 17:00 | Evidence-based classification: Testing a performance indicator for Para World Sailing (#109) Ross; Wilson |
| 15:30 – 17:00 Mountbatten Lane | POSTER SESSION 1 – continued Technology – Athlete Health and Performance – Socio-Economic Determinants of Paralympic Participation and Success |



Friday 22 September 2017

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| 08:00 – 09:00 Churchill Ballroom | KEYNOTE ADDRESS “Technology and the Paralympics: Current Capabilities and Future Possibilities” Dr. Rory Cooper, Department of Rehabilitation Science & Technology, University of Pittsburgh, USA |
| 09:00 – 10:30 Churchill Ballroom | INVITED SYMPOSIUM The Canadian Integrated Support Team Model |
| | Speakers: Bruce Craven (Craven Sport Services, CAN); Jared Fletcher (University of Calgary, CAN); Mike Frogley (Wheelchair Basketball Canada, CAN) Chairperson: Jon Kolb, Own the Podium, CAN |
| 09:00 – 10:30 Mountbatten Ballroom | FREE COMMUNICATIONS – Athlete Health and Performance |
| 09:00 – 09:15 | An analysis of female athlete triad risk factors in elite Para athletes (#21) Blauwet; Brook; Tenforde; Broad; Matzkin |
| 09:15 – 09:30 | Usability and feasibility of a novel eHealth application for self-reports of sport-related injuries and illnesses in Paralympic sport (#35) Fagher; Jacobsson; Dahlström; Timpka; Lexell |
| 09:30 – 09:45 | Head impact of slalom gates on Paralympic Alpine sit-skiers: A pilot study (#43) Goll; Spitzenfeil; Frühschütz; Olvermann; Reisinger |
| 09:45 – 10:00 | Physical examination findings of elbow joints in Para athletes participating in Oita international wheelchair marathon race from 2013 to 2015 (#92) Ogawa; Nishimura; Ibusuki; Kakita; Sasaki; Nakamura; Tajima |
| 10:00 – 10:15 | The evaluation of muscle balance using two different methodologies in Athletics Paralympic athletes (#133) Winckler; Meloni; Loturco; Kobal |
| 10:15 – 10:30 | Investigating the clinical effects of performance-focused swimming training for people with cerebral palsy: A pilot study (#35) Dutia; Connick; Beckman; Johnston; Tweedy |
| 11:00 – 12:15 Churchill Ballroom | FREE COMMUNICATIONS – Novel Activities |
| 11:00 – 11:15 | Wheelchair tennis skill development, court-movement and physiological cost: effects of organised practice (#113) |



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| | Sindall; Lenton; Mason; Tolfrey; Cooper; Oyster; Ginis; Goosey-Tolfrey |
| 11:15 – 11:30 | Integration of skill acquisition support: case-studies in Paralympic sport (#101) Pinder |
| 11:30 – 11:45 | Using an online peer learning group to support the development of a Para sport coaching community (#120) Duarte; Paquette; Culver |
| 11:45 – 12:00 | Validity, reliability and sensitivity to change of the basketball wheelchair mobility performance test (#16) Berger; de Witte; Hoozemans; van der Slikke; Veeger; van der Woude |
| 12:00 – 12:15 | Comparison of rolling athletes' leg times to runners' in a running relay – A multivariate approach (#32) Danvind; Skoglund; Nilsson; Ohlsson |
| 11:00 – 12:30 Mountbatten Lane | POSTER SESSION 2 Evidence-Based Classification – Athlete and Coach Education – Integrated Approaches – Other |
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| 13:30 – 14:30 Churchill Ballroom | FREE COMMUNICATIONS – Technology |
| 13:30 – 13:45 | Speed profiles in wheelchair court sports: Comparison of two common methods for measuring wheelchair mobility performance (#126) van der Slikke; Mason; Berger; Goosey-Tolfrey |
| 13:45 – 14:00 | Modelling shooting performance across major international tournaments in elite men's wheelchair basketball (#38) Francis; Owen; Molnar; Peters |
| 14:00 – 14:15 | Kinematic responses of a novice swimmer with moderate cerebral palsy to a performance-focused swimming program – A pilot study (#73) Macarot; Tweedy; Beckman; Connick |
| 14:15 – 14:30 | Biomechanics of seated throwing: Kinematic contributions of upper limb (#90) O'Riordan; Greenhalgh; Frossard; Miller |
| 13:30 – 15:00 Mountbatten Lane | POSTER SESSION 2 – continued Evidence-Based Classification – Athlete and Coach Education – Integrated Approaches – Other |
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| 15:30 – 17:00 Churchill Ballroom | INVITED SYMPOSIUM Maximizing athletes' performance – Facts and Concerns |
| | Speakers: Cindy Chang (University of California, USA); Hiroaki Hobara |



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| | (National Institute of Advanced Industrial Science and Technology, JPN); Michael McNamee (Swansea University, UK) Chairperson: Osnat Fliess-Douer, IPC Sports Science Committee (ISR) |
| 15:30 – 17:00 Mountbatten Room | FREE COMMUNICATIONS – Athlete Health and Performance |
| 15:30 – 15:45 | Cardiovascular responses to heat acclimatization in athletes with spinal cord injury (#41) Gee; Lacroix; Pethick; Côté; Stellingwerff; West |
| 15:45 – 16:00 | Relationship between physiological parameters and Para Triathlon performance in well-trained athletes (#44) Goosey-Tolfrey; Shill; Stephenson; Lenton |
| 16:00 – 16:15 | A maximal perceptually-regulated exercise test is a reliable and valid for measuring peak oxygen uptake during arm crank ergometry in manual wheelchair user (#55) Hutchinson; Valentino; MacDonald; Eston; Goosey-Tolfrey |
| 16:15 – 16:30 | Predictive models and reference values for peak power output during handcycling in people with a chronic spinal cord injury (#57) Kouwijzer; Valent; Osterthun; van der Woude; de Groot |
| 16:30 – 16:45 | Salivary biomarkers and training load in training and major competition: A case study of 4 Paralympic swimmers (#114) Sinnott-O'Connor; Comyns; Nevill; Warrington |
| 16:45 – 17:00 | The acute physiological and metabolic responses of individuals with Cerebral Palsy to racercycling training (#130) Phillips; Turner; Lousada; Verheul |



Saturday, 23 September

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| 09:00 – 10:00 TPASC Fieldhouse | KEYNOTE ADDRESS “The Paralympic Games and Social Impact: Beyond the Rethoric” Dr. Laura Misener, University of Western Ontario, CAN |
| 10:30 – 12:00 TPASC Fieldhouse | INVITED SYMPOSIUM Athlete and Coach Education |
| | Speakers: Marco Tulio de Mello (University of Minas Gerais, Brasil); Joelle Leonie Flueck (Swiss Paraplegic Centre, SUI); Stephen Cheung (Brock University, CAN) Chairperson: Heather Logan-Sprenger, Canadian Sport Institute Ontario, CAN |
| 10:30 – 12:15 Leadership Room | FREE COMMUNICATIONS – Evidence-Based Classification |
| 10:30 – 10:45 | Impact of trunk and arm impairment on performance of wheelchair and ball activities in wheelchair rugby during competition (#8) Altmann; Mason; Goosey-Tolfrey |
| 10:45 – 11:00 | Validation of arm coordination impairment tests for wheelchair rugby classification (#123) Groeneweg; Altmann; Groen; Keijsers |
| 11:00 – 11:15 | Validation of a class allocation model for wheelchair track athletes with impaired strength – A proof of concept study (#28) Connick; Beckman; Tweedy |
| 11:15 – 11:30 | The influence of lower limb impairments on racerunning performance in athletes with hypertonia, ataxia and athetosis: Towards an evidence-based classification of racerunning as a Para Athletics event (#125) van der Linden; Verheul; Tennant |
| 11:30 – 11:45 | How the cognitive-motor dual-task paradigm can contribute to the development of evidence-based classification systems for athletes with intellectual impairment (#124) Van Biesen; Jacobs; McCulloch; Pineda; Vanlandewijck |
| 11:45 – 12:00 | Adaptive behaviour assessment in the classification system for athletes with intellectual impairment – Do we need it? (#78) McCulloch; Van Biesen; Noens; Vanlandewijck |
| 12:00 – 12:15 | A classification model for Paralympic clay target shooting (#18) Bernardi; Summa; Alviti; Fazi; Barberini; Camomilla |



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| 13:00 – 13:50 14:00 – 14:50 | WORKSHOPS |
| CSIO Board Room | Career transition- Game plan (50 persons) Presenter: Wagschal |
| Studio 1 | Psychological recovery modalities (60 persons) Presenter: Goss |
| CSIO S&C | Adapted strength & conditioning for wheelchair sports (30 persons) Presenter: Hathaway |
| Leadership Room | Bone health in Paralympians (75 persons) Presenter: Craven |
| CSIO Kitchen | Adaptive cooking (20 persons) Presenter: Springle |
| VIP Boardroom | Accessibility and the power of sport (60 persons) Presenter: Spencer |
| 15:20 – 16:10 16:20 – 17:10 | WORKSHOPS |
| CSIO Board Room | Therapy modalities for Para sport Athletes (45 persons) Presenter: Gibson |
| Leadership Room | Paralympic sport ethics and integrity (80 persons) Presenter: McNamee |
| CSIO S&C | Wheelchair ergometer (30 persons) Presenter: Musalem |
| Studio 1 | NPCs as drivers for athlete education – Proud Paralympian (70 persons) Presenter: Luchina |
| CSIO Kitchen | Adaptive Cooking (20 persons) Presenter: Springle |