



International
Paralympic Committee

VISTA2015

Scientific Conference

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AC Hotel Palau de Bellavista
Girona, 7-10 October 2015



Programme at a glance

Thursday 8 October							
09:00-09:50 50'	Keynote Youth Athlete Development: Recommendations from the IOC Margo Mountjoy						
09:50-10:00 10'	transfer time to break out room 2						
10:00-11:00 60'	<table border="1"> <tr> <td> Classification - New Sports 10:00-10:15 Angstadt (2) 10:15-10:30: Felder (12) 10:30-10:45: Bierkefors (57) 10:45-11:00: Rosen (58) </td> <td> Sports Medicine 10:00-10:15: Fagher (13) 10:15-10:30: Bernardi (108) 10:30-10:45: Blauwet (115) 10:45-11:00: Webborn (118) </td> </tr> </table>	Classification - New Sports 10:00-10:15 Angstadt (2) 10:15-10:30: Felder (12) 10:30-10:45: Bierkefors (57) 10:45-11:00: Rosen (58)	Sports Medicine 10:00-10:15: Fagher (13) 10:15-10:30: Bernardi (108) 10:30-10:45: Blauwet (115) 10:45-11:00: Webborn (118)				
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09:00-09:50 50'	keynote IPC Scientific Award Winner How to Engage Youth in Disability Sport: Reflections of an Accidental Academic Jennifer Mactavish						
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Saturday 10 October							
09:00-09:50 50'	<p style="text-align: center;">keynote Athlete Career Pathways in Wheelchair Tennis: From Grassroots to Elite Performance David Sanz Rivas</p>						
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Detailed Programme

Wednesday 07 October

	Conference Registration
19:00-20:30 Hotel AC Palau de Bellavista	Opening Ceremony (followed by a reception dinner)

Thursday 08 October

09:00 – 09:50 VISTA 1	KEYNOTE LECTURE Youth Athlete Development: Recommendation from the IOC Margo Mountjoy <i>Chairperson: Walter Thompson</i>
09:50 – 10:00	Transfer time to next session
10:00 – 11:00	SESSION A – FREE COMMUNICATIONS Classification – New Sports <i>Chairperson: Osnat Flies-Douer</i>
10:00	Development of para-triathlon specific classification system for ambulant and wheelchair user athletes (physical impairments) #2 Martinez-Gramage; Murray; Murray; Magkou; Darby; Angstadt
10:15	Evidence-based classification in para-badminton #12 Felder; Hauschild; Azhar; Borrie; Fröhlich
10:30	Validation of a new sport specific trunk function and balance assessment for para-kayak athletes #57 Bjerkefors; Squair; Rosen; Tarassova; Carpenter
10:45	Range of motion and power output in elite able-bodied athletes and para-



	<p>athletes during kayak paddling #58</p> <p>Rosen; Tarassova; Zakaria; Arndt; Bjerkefors</p>
10:00 – 11:00	<p>SESSION B – FREE COMMUNICATIONS</p> <p>Sports Medicine</p> <p><i>Chairperson: Raymond So</i></p>
10:00	<p>Paralympic athletes' perceptions of their experiences of sport-related injuries: a qualitative study #13</p> <p>Fagher; Forsberg; Jacobsson; Timpka; Dahlström; Lexell</p>
10:15	<p>Cardiovascular eligibility to Paralympic Games in athletes with a motor or visual impairment #108</p> <p>Bernardi; Squeo; Quattrini; Culasso; Spataro; Link; Pelliccia</p>
10:30	<p>The development of a novel sports medicine clinic for young para-athletes: focus on injury prevention #115</p> <p>Blauwet; Norcross; Callahan; Welch</p>
10:45	<p>Boosting in Paralympic sport – Protecting the clean athlete: challenges for education, policy and procedures #118</p> <p>Webborn; Stomphorst</p>
11:00 – 11:30	Coffee Break
11:30 – 13:00	<p>SESSION A – INVITED SYMPOSIUM</p> <p>Athlete Health and Performance</p> <p><i>Chairperson: Raymond So</i></p>
	<p>Interdisciplinary approach in Paralympic Athletics: crossroads between experience and Science in evaluation and training monitoring</p> <p>Winckler</p> <p>The application of Bio-Psycho-Social paradigm on developing high performance Paralympic athletes</p>



	So
11:30 – 13:00	SESSION B – FREE COMMUNICATIONS Legacy <i>Chairperson: David Legg</i>
11:30	Conceptualizing a research agenda for studying the impacts and legacies of hosting the Paralympic Games #94 Sparks; Rigas; Bundon
11:45	Integrated or separate? A longitudinal investigation of legacy approaches and impacts of para-sport events #46 Misener; Legg; McPherson; McGillivray
12:00	Paralympic legacy: IPC's strategy to identify, measure and foster legacies from hosting the Paralympic Games #95 Rigas
12:15	Paralympic legacies: "It started at Old Trafford" – Stories of London 2012 by the inspired generation #35 Bundon
12:30	Athlete with an impairment programme: a social legacy of the Rio 2016 Olympic and Paralympic Games #55 Moreira; Brilo; Pinto
12:45	Disability sport event research: moving the evaluation agenda forward #47 Misener; Dickson; Darcy
13:00 – 15:00	Lunch Break
15:00 – 16:15	SESSION A – FREE COMMUNICATIONS Classification – Physical Impairment <i>Chairperson: Walter Thompson</i>
15:00	Using the scientific method to improve the validity of current Paralympic



	<p>classification systems (1/2) #92</p> <p>Tweedy</p>
15:15	<p>Using the scientific method to improve the validity of current Paralympic classification systems (2/2) #93</p> <p>Tweedy</p>
15:30	<p>Classification of strength impairments in wheelchair athletes using cluster analysis #69</p> <p>Connick; Beckman; Vanlandewijck; Malone; Blomqvist; Tweedy</p>
15:45	<p>Consideration of passive drag in IPC Swimming classification #84</p> <p>Oh; Osborough; Burkett; Payton</p>
16:00	<p>Active drag of elite para-swimmers during frontal crawl #85</p> <p>Payton; Oh; Osborough</p>
15:00 – 16:15	<p>SESSION B – POSTER SESSION</p> <p><i>Chairpersons: Osnat Fliess-Douer; Daniela Luchina</i></p>
	<p>The intake of carbohydrates and protein in Japanese athletes with disabilities #1</p> <p>Uchino; Hata; Motonaga; Takagi</p> <p>Isokinetic assessment and musculoskeletal complaints in Paralympic athletes: a longitudinal study #7</p> <p>Silva; Zanca; Lemos; Winckler; Mattiello; Peterson; Vital; Tufik; De Mello</p> <p>Transferability of results on physiological outcomes between three arm ergometers #8</p> <p>Hoekstra; Valent; Janssen; Paulich; van der Woude; de Groot</p> <p>Sapphire assessment system as evaluation method of low back pain after spinal fusion surgery – a case study #10</p> <p>Vinagre; Buffe; Geissler; Niklas</p> <p>David[®] system as evaluative instrument in orthopaedic diagnostic in the process of rehabilitation after a plexus brachialis reconstruction with sural nerve transplantation – pilot study #11</p>



<p>Vinagre; Geissler; Buffe; Niklas</p> <p>Measurement of anaerobic power and fatigue index in football seven a side players #20</p> <p>Brandao; Samora Godoy; Nunes; Borges; Campeao; Nogueira; Gorla</p> <p>Body composition and somatotype profile of the participants athletes of the 15th football seven a side Brazilian championship #21</p> <p>Nogueira; Nunes; Rosch de Faria; Brandao; Campeao; Gorla</p> <p>Assessment of the nutritional profile of young athletes of the Brazilian athletics Paralympic team #23</p> <p>Joaquim; Juzwiak; Jürgensen; Winckler</p> <p>Subjective perception of effort and recovery in athletes during the 15th football seven a side Brazilian championship #24</p> <p>Gorla; Nunes; Rosch de Faria; Brandao; Campeao; Nogueira</p> <p>Shoulder complaints in wheelchair athletes: a literature review #30</p> <p>Heyward; de Groot; Riemer; Vegter; van der Woude</p> <p>Analysis of the body composition of Paralympic athletes: comparison of two methods #31</p> <p>De Mello; Lemos; Alves; Adriano; Rosa; Silva; Winckler; Vital; Almeida; Tufik</p> <p>Evaluation of the nutritional knowledge of the athletics young Paralympic Brazilian team #43</p> <p>Juzwiak; Jürgensen; Joaquim; Wincker</p> <p>Assessment of the nutritional profile of young athletes of the Brazilian athletics Paralympic team # 44</p> <p>Juzwiak; Joaquim; Jürgensen; Wincker</p> <p>Observation instrument adapted to the internal logic of Boccia #45</p> <p>Torralba; Padulles; Sola; Padulles; Braz; Olsson</p> <p>Wheelchair users shoulder pain index (WUSPI) outcome questionnaire: translation and cross-cultural adaptation of the Danish version #50</p> <p>Larsen; Hansen; Hansen; Bruun; Juul-Krisensen</p>
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<p>Contributing factors towards securing the wheelchair tennis pathway and different regional influences #51</p> <p>Dyrbus</p> <p>International para-sports conference in Brazil: analysis of the scientific production presented from 2010-2014 #62</p> <p>De Freitas; da Costa; Patatas; Borges de Oliveira; Candelori</p> <p>The usability of quadriplegics runner's training for young para-athletes #70</p> <p>Higuchi; Yamashita; Tomiyasi; Ogata; Tobimastu</p> <p>Effects of training on the aerobic power of wheelchair rugby athletes #79</p> <p>Pena; Souza; Cavalli; Tanhoffer; Duarte; Gorla</p> <p>Trunk stability impairments negatively impacts the performance on wheelchair rugby specific skills #82</p> <p>Lemos; Freitas; Mainenti; Vigario</p> <p>Postural control of football 5-a-side players during single leg stance #83</p> <p>Vigario; Nascimento; Felicio; Mainenti; Lemos</p> <p>Peak aerobic capacity between and within Paralympic sitting sports #87</p> <p>Baumgart; Brurok; Sandbakk</p> <p>Analysis of creatine kinase in 6 weeks of training on athletes with disabilities #88</p> <p>Costa; Joaquim; Wincker</p> <p>An international comparative study on the content and role of Paralympic athlete commission - a case study on athlete commission's function and political power in the sport society which emphasises the importance of athlete first #91</p> <p>Tanaka; Okuda; Sasaki</p> <p>Sports injuries in Brazilian elite paracanoe team #99</p> <p>Storch; Strapasson; Teixeira; Santos; Harnish; Borella; Duarte; Almeida</p> <p>Scientifically-methodical system of maintenance at Paralympic trainings in Russian Federation #112</p>
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	<p>Idrisova; Baryaev; Shelkov</p> <p>System of scientifically-methodical maintenance in Russian national goalball team #113</p> <p>Baryaev; Idrisova</p>
16:15-16:45	Coffee Break
16:45-18:00	<p>SESSION A – INVITED SYMPOSIUM</p> <p>Performance Enhancement</p> <p><i>Chairperson: Peter Van de Vliet</i></p>
	<p>Danvind</p> <p>Pharmacological aids to Performance: challenges of the prohibited list</p> <p>Pascual</p>
16:45 – 18:00	<p>SESSION B – FREE COMMUNICATIONS</p> <p>Classification – Coordination Upper Extremities</p> <p><i>Chairperson: Yves Vanlandewijck</i></p>
16:45	<p>Using temporal and spatial features of a reciprocal tapping task to detect intentional misrepresentation of abilities among non-disabled participants #48</p> <p>Deuble; Connick; Beckman; Tweedy</p>
17:00	<p>Evaluating coordination and performance in Boccia players: towards evidence-based classification #74</p> <p>Roldan; Garcia-Vaquero; Mathee; Tweedy; Reina</p>
17:15	<p>The relationship between postural stability and Boccia performance in individuals with neuromusculoskeletal impairments: strengthening evidence-based classification #59</p> <p>McCulloch; Reina; Barbado; Campayo; Roland; Tweedy; Vanlandewijck</p>



Friday 9 October

09:00 – 09:50 VISTA 1	<p>KEYNOTE LECTURE</p> <p>How to engage youth in disability sport: reflections of an accidental academic</p> <p>Jennifer Mactavish</p> <p><i>Chairperson: Yves Vanlandewijck</i></p>
09:50 – 10:00	Transfer time to break out room 2
10:00 – 11:00	<p>SESSION A – FREE COMMUNICATIONS</p> <p>Classification – Coordination Lower Extremities</p> <p><i>Chairperson: Osnat Fliess-Douer</i></p>
10:00	<p>Relationship between lower limb extensor strength and running performance in 3 populations of athletes #65</p> <p>Beckman; Connick; Bukhala; Tweedy</p>
10:15	<p>Evaluating a battery of tests designed to predict running performance in runners with brain impairments recruited from Kenya and Australia #66</p> <p>Spathis; Connick; Beckman; Thangu; Reina; Bukhala; Tweedy</p>
10:30	<p>Reliability of a test battery for evidence-based classification in Cerebral Palsy football #73</p> <p>Campayo; Barbado; Reina</p>
10:45	<p>Improving reliability and validity of current classification methods for athletes in classes T35-T38 (IPC Athletics) and FT5-FT8 (CP Football) # 90</p> <p>Reina; Sarabia; Sanchez; Beckman; Connick; Tweedy</p>
10:00 – 11:00	<p>SESSION B – FREE COMMUNICATIONS</p> <p>Nutrition</p> <p><i>Chairperson: Walter Thompson</i></p>
10:00	Influence of caffeine in para-and tetraplegic participants in a 3min all-out



	arm crank ergometer test #39 Flueck; Lienert; Schaufelberger; Krebs; Perret
10:15	Vitamin D status of elite athletes with spinal cord injury relative to diet and lifestyle factors #81 Broad; Pritchett; Pritchett; Lacroix
10:30	Vitamin D deficiency in Swiss elite wheelchair athlete #40 Flueck; Hartmann; Perret; Strupler
11:00 – 11:30	Coffee Break
11:30 – 13:00	SESSION A – INVITED SYMPOSIUM Evidence-based classification <i>Chairperson: Yves Vanlandewijck</i>
	Evidence-Based classification: conceptual application to wheelchair rugby Altmann Evidence-Based Classification: conceptual application to sports for athletes with intellectual impairment Van Biesen
11:30 – 13:00	SESSION B – FREE COMMUNICATIONS Career <i>Chairperson: David Legg</i>
11:30	Career development and learning pathways of Paralympic head coaches with a disability #27 Douglas; Bloom
11:45	Relative age effect at the London Paralympic Games in three different sport disciplines #29 Perret; Hartmann; Haefeli; Frotzler



12:00	Preparing for Rio? Or preparing for Post-Rio? Paralympic athletes and transitions out of sport #34 Bundon; Goosey-Tolfrey
12:15	What we know about parasport coach learning in Canada #52 Culver; Werthner; Taylor; Davey; Trudel
12:30	It's an Olympian's/Paralympian's world: making universal design work for every athlete – from an urban California elementary school to the 2014 Sochi Winter Games to the 2018 PyeongChang, South Korea Olympic/Paralympic Village #5 Swanson
12:45	Exploring representations of Paralympic athletes in Canadian mainstream news media: the 2014 Sochi Paralympic Games #54 Perrier; Ventresca; Ginis
13:00 – 15:00	Lunch Break
15:00 – 16:15	SESSION A – FREE COMMUNICATIONS Sports Medicine – Epidemiology <i>Chairperson: Walter Thompson</i>
15:00	The epidemiology of illness and injury of athletes at the Sochi 2014 Paralympic Winter Games #101 Derman; Schwellnus; Jordaan; Blauwet; Emery; Gomes; Martinez-Ferrer; Stomphorst; Van de Vliet; Webborn; Willick
15:15	The epidemiology of injuries in Paralympic alpine skiing at the Sochi 2014 Paralympic Games #116 Stomphorst; Willick; Cushman; Derman; Schwellnus; Blauwet; Webborn; Van de Vliet
15:30	Upper limb injuries in Paralympic athletes at the London 2012 Paralympic Games #102



	Russot; Derman; Schwellnus; Jordaan
15:45	Injuries in para-taekwondo and recommendations for prevention #3 Fife; O'Sullivan; Lee
16:00	Sports injuries in Brazilian paracanoe team #107 Storch; Strapasson; Santos; Pupo; Harnisch; Borella; Duarte; Almeida
15:00 – 16:15	SESSION B – POSTER SESSION <i>Chairpersons: Osnat Fliess-Douer; Daniela Luchina</i>
	<p>Resilience in tennis players with disabilities #4 Viola; Vicente</p> <p>A novel classification system enabling inclusion of athletes with multiple different impairments in ice-skating sports #6 Blatchford; Blatchford; Sweeney-Baird</p> <p>Reliability of the manual muscle testing in paratriathletes #9 Martinez-Gramage; Magkou; Lluch Lopez; Martinez Sanchez; Perez Dominguez; Perpina Martinez; Segura-Orti</p> <p>Para-taekwondo: concepts and perspectives #14 Patatas; Almeida; Costa; Freitas</p> <p>Development of a field-based mobility test in wheelchair basketball #17 de Witte; Berger; van der Slikke; Hoozemans; van der Woude; Veeger</p> <p>Purpose in life of Paralympic athletes #37 Ferreira Brandao; Magnani; Silva; Baptista Gil Junior; Zanetti; Winckler</p> <p>The perception of autonomy of athletes with intellectual disability under the perspective of the bioecological theory of human development #38 Pedrinelli; Brandao</p> <p>Examination of psychological well-being and athletic psychological skills among elite para-athletes #41 Uchida; Yamazaki; Hashiguchi; Nakayama; Arai; Yoshida</p>



	<p>The case study of sports mental training for Boccia athletes #42 Yamazaki; Nakayama</p> <p>Adapted physical education and students with Down Syndrome: a case study #53 Bicalho; Deane; da Costa</p> <p>Motor performance and anthropometric profile of Brazilian football 5-a-side athletes of Brazilian championship: exploratory results #56 Campos; Paranhos; Arnosti; Vasconcellos; Sousa; Ribeiro; Halekson; Freitas; Borin; Gorla</p> <p>“Wheelchair dance sport – an elite para-sport” vis-à-vis “spinal cord injury – a medical condition” #61 Sinda</p> <p>Development of a goalball specific performance analysis software #63 Link; Weber; Prokein</p> <p>Relationship between static postural balance and functional classification in wheelchair basketball athletes #68 Guimaraes da Silva; Perreira do Rego; da Silva Cunha de Medeiros; Moreira Silva Dantas</p> <p>Evidence-based classification in wheelchair slalom #75 Dominguez-Diez; Gonzalez-Galeano; Elvira; Reina</p> <p>Facilitator orthopaedic device for children with severe functional and great restriction disabilities of access to sport #77 Puig-Divi; Marti-Terradas; Marcos-Ruiz</p> <p>Therapeutic climbing protocol for children with spastic hemiparesis #78 Puig-Divi; Marcos-Ruiz; Navarro; Fort-Van Meerhaeghe</p> <p>Wheelchair rugby and university: the experience of State University of Campinas #80 Pena; Souza; Souza; Cavalli; Tanhoffer; Duarte; Gorla</p> <p>Effect of elevation distal Boccia ramp edge in the distance achieved by</p>
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	<p>throw #89</p> <p>Gomes de Freitas; Fernandes Leite; Peres de Souza; Amaral de Araujo</p> <p>Participation of athletes with high support needs at the Paralympic Winter Games #96</p> <p>Vice; Van de Vliet</p> <p>Participation of athletes with high support needs at the Paralympic Winter Games #97</p> <p>Vice; Van de Vliet</p> <p>Technical performance analysis of the 9th 2013 World para-badminton finalists athletes with dwarfism #98</p> <p>Strapasson; Harnisch; Sorch; Almeida; Duarte; Baessa</p> <p>Is performance in clay target shooting affected by standing/sitting postures in athletes with locomotor impairments? #104</p> <p>Alviti; Summa; Dalla Vedova; Barbi; Fazi; Lanzano; Besi; Camomilla; Bernardi</p> <p>Differences in upper body kinematics influence clay target shooting performance of sitting and standing athletes with a lower limb motor impairment #105</p> <p>Bernardi; Summa; Alviti; Fattorini; Dalla Vedova; Gallozzi; Fazi; Camomilla</p>
16:15-16:45	Coffee Break
16:45-18:00	<p>SESSION A – INVITED SYMPOSIUM</p> <p>Winterports</p> <p>Chairperson: Sylvana Mestre</p>
	<p><i>Comparison study of snowsport related injuries</i></p> <p><i>Vidal</i></p> <p><i>Biomechanical and motor learning aspects in disabled and abled skiing sports – training, performance, classification and perspectives</i></p>



	<i>Lindinger</i>
16:45 – 18:00	SESSION B – FREE COMMUNICATIONS Training <i>Chairperson: Raymond So</i>
16:45	Transcranial cerebellar direct current stimulation in Paralympic powerlifters #22 Rego; Santos; Furtado; Barboza; Andrade; Silva; Medeiros; Miranda; Santos; Silva Dantas
17:00	Internal training load in wheelchair basketball: a comparison of the perception of athlete and coach #33 Medeiros; Lopes; Silva; Nogueira; dos Santos; Santos; de Mello; Dos Santos
17:15	Elite sitting volleyball players have better trunk control than individuals without disabilities #76 Janssen; Huisman; van Dieën
17:30	A comparison of Paralympic and able-bodied athlete's physical self-concept and the impact of a centralized training environment #32 Goss; Leslie-Toogood
17:45	A comparison of external load during training and competition in elite wheelchair rugby players #36 Rhodes; Mason; Paulson; Goosey-Tolfrey

Saturday 10 October

09:00 – 09:50 VISTA 1	KEYNOTE LECTURE Athlete career pathways in wheelchair tennis: from grassroots to elite performance David Sanz Rivas Chairperson: Eric Angstadt



09:50 – 10:00	Transfer to break out room 2
10:00 – 11:00	SESSION A – FREE COMMUNICATIONS Sport Biomechanics <i>Chairperson: Raymond So</i>
10:00	Early motor learning changes in upper limb dynamics and shoulder complex loading during handrim wheelchair propulsion #49 Vegter; Hartog; de Groot; Lamoth; Bekkera; van der Scheer; van der Woude; Veeger
10:15	Mass centre speed fluctuations of single arm amputee front crawl swimmers at sprint and distance pace #86 Osborough; Sanders; Payton
10:30	Elbow flexors-extensors muscles torque and velocity performance in high level wheelchair basketball players #114 Villacieros; Garrido; Grams; Perez-Tejero; Lopez-Illescas; Ferro
10:45	Fatigue in Paralympic athletes with cerebral palsy: an insight into the effects of training on physiology and performance? #119 Runciman; Derman; Tucker; Ferreira; Albertus- Kajee
10:00 – 11:00	SESSION B – FREE COMMUNICATIONS Sport Physiology <i>Chairperson: Walter Thompson</i>
10:00	Effect of continuous aerobic vs interval training on selected anthropometrical, physiological and functional parameters of adults with Down Syndrome #15 Boer; Moss
10:15	Utilization of a new wheelchair propulsion device for laboratory assessment of aerobic capacity in wheelchair rugby athletes #19 Malone; Dew; Rogers; Morgan



10:30	Wheelchair half marathon induces natural killer cell activity in persons with spinal cord injury #71 Nishimura; Banno; Nakamura; Tajima
10:45	Interleukin-6 during wheelchair marathon in persons with spinal cord injury #72 Nakamura; Sasaki; Nishimura; Tajima
11:00 – 11:30	Coffee Break
11:30 – 13:00	SESSION A – INVITED SYMPOSIUM Education of Athletes and Coaches <i>Chairperson: Osnat Fliess-Douer</i>
	Strategies to improve physiological responses and athletic performance Theisen Current equipment and technological innovation to monitor athletic performance Fliess-Douer Athlete perspective on performance development Luchina
11:30 – 13:00	SESSION B – FREE COMMUNICATIONS Classification – Across Impairment Types <i>Chairperson: Yves Vanlandewijck</i>
11:30	Performance evolution of athletes with intellectual impairment in Athletics and Swimming over the last decade #100 Einarsson; Cicic; Van Biesen; Daly
11:45	How does intellectual impairment impact on speed skating: what can we learn from able-bodied speed skating #106 Hettinga; Timans; Altmann; Burns; Van Biesen; Vanlandewijck



12:00	A discriminant function to classify basketball teams with and without intellectual impairment through game statistics #111 Pinilla; Perez-Tejero; Gomez; Van Biesen; Vanlandewijck
12:15	The relationship between measures of visual function and race performance in elite vision impaired swimmers #18 Ravensbergen; Mann
12:30	Impact of time of onset of vision impairment – a long term athlete development approach #117 Blaine
12:45	Biomechanical and physiological assessment of taekwondo-specific sparring performance characteristics for evidence-based classification #120 O'Sullivan; Fife
13:00 – 15:00	Lunch Break
15:00 – 16:15	SESSION A – INVITED SYMPOSIUM Determinants of Paralympic success <i>Chairperson: David Legg</i>
	A Critical Examination of Paralympic Participation Darcy Pathways to Paralympic Success Legg
15:00 – 16:15	SESSION B – FREE COMMUNICATIONS Sport-Specific Issues <i>Chairperson: Peter Van de Vliet</i>
15:00	Differences between offence and defence during wheelchair-athlete activities in relation to field position in elite wheelchair basketball #16 de Witte; Hoozemans; Berger; van der Woude; Veeger



15:15	Effect of holding a racket on propulsion technique of wheelchair tennis players #26 de Groot; Bos; Eng; Koopman; Hoekstra; Vegter
15:30	Performance analysis in Goalball #64 Weber; Link; Prokein
15:45	Race analysis in swimmers with visual impairment at the 2012 London Paralympic Games using individual distances method #110 Alema; Perez-Tejero; Navarro
16:15-16:45	Coffee Break
16:45-18:00	CLOSING – ROUND TABLE “SECURING THE FUTURE FOR YOUNG PARA-ATHLETES” <i>Moderator: Walter Thompson</i>
20:00-23:00	Closing Ceremony Aula Magna Modest i Prat of Girona University (followed by a reception dinner served by El Cellar de Can Roca)



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