

Welcome

The ECSS and the National Institute of Physical Education of Catalonia (INEFC) are delighted to invite ECSS delegates to Barcelona in the summer of 2013.



In this “coming of age” anniversary of the ECSS Congress, we would like to provide global views and stress the big picture of Sport Science so as to help develop the specialized areas.

The latest advances in technology, mathematical modeling and computational possibilities have led to a new body of scientific disciplines that can cope with the complexity of sports, a privileged area for developing science in our society.

Our main aim will be to contribute to the mutual understanding between the various fields and foster the transfer of theoretical explanatory principles, techniques and insights between disciplines.

We look forward to seeing you in Barcelona 2013.
Carlota Torrents & Natàlia Balagué
Congress Presidents

Venue

The congress takes place at the campus of INEFC right next door to the Olympic stadium located on top of Montjuïc hill overlooking Barcelona to one side and a panoramic view of the harbour on the other. A feast for the senses, Catalonia’s capital has a distinctly Mediterranean feel. Its revitalization for the 1992 Olympics made Barcelona the place to be on the continent. Cosmopolitan, modern, welcoming, Barcelona has it all!

Young Investigators Award

One of the key objectives of the ECSS is the promotion of junior scientists and the fostering of state-of-the-art research. For this purpose the ECSS established the Young Investigators Award (YIA), sponsored with generous cash prizes by its founding partner Mars Inc.

In Barcelona young scientists have again the opportunity of entering this prestigious competition for scientific excellence, where outstanding scientific work can be presented at the annual congress. A jury consisting of the ECSS Scientific Board and ECSS Scientific Committee grants the awards based upon an oral and poster presentation for the top ten presentations respectively.

Committees

Congress Presidents

Natàlia Balagué, Carlota Torrents

Chairs of the Local Scientific Committee

Joan Cadefau, Anna Vilanova

Members of the Local Scientific Committee

Rosa Angulo, Alfonso Blanco, Marta Castañer, Francesc Corbi, Assumpta Ensenyat, Pere Lavega, Eloisa Lorente, Xavier Peirau, Jordi Porta, Núria Puig, Joan Riera, Rosa Rodríguez, Joan Solé, Susanna Soler

Chairs of the Organizing Committee

Agustí Boixeda, Xavier Iglesias

Members of the Organizing Committee

Jordi Borrell, Elena Gil, Alfredo Joven, Pere Manuel, Mercè Mateu, Felip Santamaria, Jordi Solà, Rafael Tarragó

Members of the ECSS Executive Board

Sigmund Loland - President (NOR), Hans Hoppeler - Past President (SUI), Marco Narici - President Elect (GBR), Romain Meeusen (BEL), Gisela Sjøgaard (DEN), Tim Cable (GBR)

Members of the ECSS Scientific Board

Anton Wagenmakers - Chair (GBR), Flemming Dela - Co-Chair (DEN), Jan Cabri - Secretary (NOR), Peter Bärtsch (GER), Joan Duda (GBR), Paul Greenhaff (GBR), Martin Halle (GER), José Antonio López Calbet (ESP), Erich Müller (AUT), Gertrud Pfister (DEN)

Members of the ECSS Scientific Committee

Natàlia Balagué (ESP), Wilhelm Bloch (GER), Annalisa Cogo (ITA), Nenad Dikic (SRB), Taija Finni (FIN), Daniel Green (GBR), Michael Grey (GBR), Markus Gruber (GER), Jørn Wulff Helge (DEN), Ylva Hellsten (DEN), Luc van Loon (NED), Mike McNamee (GBR), Maria Francesca Piacentini (ITA), Janice L. Thompson (GBR), Nicole Wenderoth (BEL)

ECSS Office

Thomas Delaveaux, Elias Tsolakidis, Steffen Neubert, Juliane Melber

Key dates

15th of December 2012, 24:00 CET
15th of February 2013, 24:00 CET
1st of April 2013, 24:00 CET
15th of April 2013, 24:00 CET
1st of May 2013, 24:00 CET

Abstract submission opening and opening of registration
Abstract submission deadline
Notification to authors about acceptance
End of Early bird registration
Deadline for registration for presenting authors

Registration fees

	Early Registration before or on 15 th April 2013	Late Registration after 15 th of April 2013
ECSS Member	335 €	385 €
New ECSS Member*	420 €	470 €
Non-Member	450 €	500 €
Student ECSS Member	185 €	235 €
New ECSS Student Member*	225 €	275 €
Student Non-Member	250 €	300 €
Accompanying person	185 €	235 €

* Safe on registration fee while becoming an ECSS member. Congress registration fee includes 2013 ECSS membership fee. Invoice will be issued on registration fee.

Travel Information

By Plane: Barcelona has a large international and domestic airport with frequent direct flights from most international destinations. More than 125 airlines operate from Barcelona International Airport (BCN), being only 20 minutes away from the congress venue.

By Train: The high-speed train AVE connects Barcelona with the European rail network via Madrid within 2.5 hours.

By Car: Barcelona may be reached from several destinations. It is approximately a 90 minute drive from the French boarder to Barcelona.

Public transportation around Barcelona

Barcelona has an excellent underground system including eight metro lines, a frequent bus network and more than 11,000 reasonably priced taxis. We encourage our attendees to use public transportation.

Accommodation

As tourists throughout the year intensively visit Barcelona, the ECSS has negotiated a large number of hotel rooms at attractive rates in several categories of hotel ranging from budget to 5 star hotels. These rates are only available through the congress website. You will find that all of these hotels offer quality lodging including breakfast. Most hotels have car park facilities. Barcelona is also very popular with youngsters and a large number of cheap youth hostels are located nearby, providing the delegates a general impression of Barcelonas’ architectural and historic splendour. The majority of the hotels are located within walking distance to the congress venue.

European College of Sport Science

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Data management in sports



18th annual Congress of the
EUROPEAN COLLEGE OF SPORT SCIENCE
UNIFYING SPORT SCIENCE

26th - 29th June 2013, Barcelona - Spain

Hosted by the National Institute of Physical Education of Catalonia (INEFC)



ECSS Barcelona 2013
Call for abstracts



ECSS partner

MARS
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Hosting Institution





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Plenary Sessions

Does pain produce gain? *

Chair: José González-Alonso (GBR)

Co-Chair: Alan St Clair Gibson (GBR)

Speakers: Gershon Tenenbaum (USA), Claude Bouchard (USA)

Emerging trends in team sports science

Chair: M. Teresa Anguera (ESP)

Co-Chair: Duarte Araújo (POR)

Speakers: Keith Davids (AUS), Joan Duda (GBR)

The choreography of movement and the brain

Chair: Peter Jan Beek (NED)

Co-Chair: Mercè Mateu (ESP)

Speakers: Scott Kelso (USA), Scott deLahunta (POR)

Rehabilitation through exercise *

Chair: Anton Wagenmakers (GBR)

Co-Chair: Gisela Sjøgaard (DEN)

Speakers: Ewa Roos (DEN), Abigail Mackey-Sennels (DEN)



Invited Symposia

PHYSIOLOGY & SPORTS MEDICINE

JSPFSM *Exchange Symposium* Confronting super aging society -

Japanese and European *

Chair: Ryoichi Nagatomi (JPN)

ACSM *Exchange Symposium* Exercise - Thermoregulation *

Chair: Romain Meeusen (BEL)

Oxygenation and fatigue in humans: unravelling the mechanisms *

Chair: José Antonio López Calbet (ESP)

Co-Chair: Ylva Hellsten (DEN)

Mitochondrial structural organization, dynamics and function

Chair: Clara Prats (DEN)

Co-Chair: Pablo M. García-Rovés (ESP)

Obesity, diabetes and exercise: new developments *

Chair: Jeffrey Horowitz (USA)

Co-Chair: Ignacio Ara (ESP)

Sports Nutrition Symposium:

The most recent sports nutrition guidelines sponsored by GSSI *

Chair: Asker Jeukendrup (GBR)

Antioxidants in physical exercise: points and counterpoints *

Chair: José Viña (ESP)

Co-Chair: Zsolt Radak (HUN)

The brain at work *

Chair: Niels Secher (DEN)

Co-Chair: Romain Meeusen (BEL)

Dietary nitrate as an ergogenic aid *

Chair: Andrew Jones (GBR)

Co-Chair: Glenn McConnell (AUS)

Muscle mass regulation in humans: relative importance of protein

synthesis and protein breakdown *

Chair: Paul Greenhaff (GBR)

Co-Chair: Antonio Zorzano (ESP)

Regulation skeletal muscle carbohydrate and fat utilisation in exercise

and disease in humans *

Chair: Francis Stephens (GBR)

Co-Chair: Roser Cussó (ESP)

Exercise and Training in COPD Patients *

Chair: Stephan Srichter (GER)

Co-Chair: Franchek Drobnic (ESP)

Hypoxia for health and fitness *

Chair: Christoph Dehnert (GER)

Co-Chair: José Luis Ventura (ESP)

Can exercise damage the heart *

Chair: Martin Halle (GER)

Co-Chair: Alfonsas Vainoras (LIT)



SOCIAL SCIENCES & HUMANITIES

Understanding sport participation in Europe *

Chair: Siegfried Nagel (SUI)

Co-Chair: Koen Breedveld (NED)

Body projects and the embodiment of gender and ethnicity

Chair: Gertrud Pfister (DEN)

Co-Chair: Susanna Soler (ESP)

Transitions and strategies in top level sport

Chair: Miquel Torregrosa (ESP)

Co-Chair: Anna Vilanova (ESP)

Sports policy factors leading to international sporting success

Chair: Veerle De Bosscher (BEL)

Co-Chair: Susana Monserrat (ESP)

A critical pedagogy for physical education futures: Prospects for change

Chair: David Kirk (GBR)

Co-Chair: Eloisa Lorente (ESP)

Ethico-legal perspectives on justice in sport

Chair: Michael John McNamee (GBR)

Co-Chair: Karl Heinz Schneider (GER)

Sport sciences to improve dance performance and participation,

an interdisciplinary proposal

Chair: Carlota Torrents (ESP)

Co-Chair: Marta Castañer (ESP)

Strategies for preventing sexual harassment in sport – in between

voluntariness and obligation

Chair: Ilse Hartmann-Tews (GER)

Co-Chair: Bettina Rulofs (GER)

Towards a theory of sports coaching

Chair: Lars Tore (NOR)

Co-Chair: Alfredo Joven (ESP)

Implementation and impact of the Empowering Coaching programme in promoting children's active and healthy engagement in sport: Findings from the PAPA main trial

Chair: Joan Duda (GBR)

Co-Chair: Isabel Balaguer (ESP)

In pursuit of active aging - Achieving sustained physical activity and

function in older adults *

Chair: Janice Thompson (GBR)

Co-Chair: Afroditi Stathi (GBR)



BIOMECHANICS & NEUROMUSCULAR

What the dynamics of team sports tell us about collective behaviours

Chair: Chris Button (NZL)

Co-Chair: Daniel Memmert (GER)

Feedback and feedforward interaction - the role of augmented feedback

in performance sponsored by Adidas

Chair: Albert Gollhofer (GER)

Co-Chair: Caroline Nicol (FRA)

Biomechanical human-environment interaction

Chair: Gert-Peter Brüggemann (GER)

Co-Chair: Rosa Angulo (ESP)

Cyclic sports: energetics, evaluation and constraints *

Chair: Raúl Arellano (ESP)

Co-Chair: Ludovic Seifert (FRA)

Specificity in strength training in elite sport *

Chair: Müller Erich (AUT)

Co-Chair: Gerard Moras (ESP)

Barefoot running: evolution, solution or fashion? *

Chair: Michael Grey (GBR)

Co-Chair: Xavier Aguado (ESP)

New trends in motor learning

Chair: Peter Jan Beek (NED)

Co-Chair: Luis Miguel Ruiz-Pérez (ESP)

Biomechanics of sport equipment: Triad of performance, comfort and

injury prevention *

Chair: Hermann Schwameder (AUT)

Co-Chair: Xavier Balius (ESP)

Biomechanics in disability sport: Challenges and solutions *

Chair: Wolfgang Potthast (GER)

Co-Chair: Myriam Guerra (ESP)

Core stability in sports: myth or reality?

Chair: Jan Cabri (NOR)

Co-Chair: Mónica Solana (ESP)

Limits to performance during short-term and prolonged exercise in the heat

Chair: Ricardo Mora-Rodríguez (ESP)

Co-Chair: Nicolas Terrados (ESP)

* Clinical track