

**FOURTH ANNOUNCEMENT****SCIENCE AND ANALYTICAL EXPERTISE IN HANDBALL  
(SCIENTIFIC AND PRACTICAL APPROACHES)**EHF SCIENTIFIC  
CONFERENCE 2011**VIENNA (AUSTRIA), NOVEMBER 18-19, 2011**EHF SCIENTIFIC  
CONFERENCE 2011**The European Handball Federation (EHF) &  
The Union of University Handball Teachers (UUHT)**kindly invite you to the **Conference****“Science and Analytical Expertise in Handball” (Scientific and Practical Approaches)**which will be embedded into the organization of the  
20<sup>th</sup> Anniversary Celebration of the EHF in Vienna/AUT.

**The goal of the Conference** is to bring professional and scientific experts together in order to describe and formulate problems of modern Handball on all organizational levels and forms (male/female, youth, beach handball, street handball, people with disabilities, etc.) and to bridge the gap between science and practice in handball.

**The official language of the Conference is English.**

**The Conference Venue is**

Austria Trend Eventhotel Pyramide

Parkallee 2

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Website: <http://www.austria-trend.at/eventhotel-pyramide>e-mail: [eventhotel.pyramide@austria-trend.at](mailto:eventhotel.pyramide@austria-trend.at)**Financial Conditions**

All participants bear the expenses for travel, accommodation and meals on their own.

**Programme****Friday, 18 November 2011**

12:00-13:50 Accreditation

14:00-15:00 EHF Opening

Taborsky, F. – CZE: *Phenomenon Handball: Introductory Lecture at the EHF Scientific Conference, "Science and Analytical Expertise in Handball"*Wilbek, U. – DEN: *My Coaching Philosophy*Section 1 (Humanities)15:10-15:30 Pollany, W. – AUT: *The Position of Mirror Neurons in Linking Applied Psychology and Applied Pedagogy*15:30-15:50 Ferreira, A.L.; Fazendeiro Batista, P. and Estriga M.L. – POR: *Handball Teaching at School – a Pre-Service Teaching Experience Based on the Sport Education Model*

- 15:50-16:10 Höritsch, H. – AUT: *Handball at School – Didactical Guidelines for Physical Education (P.E.) Students and Teachers*
- 16:10-16:30 Vila, H.; Rodríguez, F.; Vázquez, I. and Fernández, J. – ESP: *Multidimensional Evaluation of Young Handball Players: Discriminant Analysis Applied to Talent Selection*

#### Section 2 (Natural Sciences)

- 15:10-15:30 Manchado, C. and Platen, P. – ESP / GER: *Time-Motion Analysis and Physiological Demands in International Women's Team Handball*
- 15:30-15:50 Vila, H.; Manchado, C.; Abraldes, A.; Alcaraz, P.; Rodríguez, N. and Ferragut, C. – ESP: *Anthropometric Profile in Female Elite Handball Players by Playing Positions*
- 15:50-16:10 Manchado, C.; Ferragut, C.; Abraldes, A.; Rodríguez, N.; Alcaraz, P. and Vila H. – ESP: *Ball Speed in Women Handball Players: Analysis of Different Playing Positions*
- 16:10-16:30 Urban, F.; Kandrac, R. and Taborsky, F. – SVK / CZE: *Position-Related Changes in Somatotypes of Top Level Male Handball Players: 1980 and 2010*

#### Section 3 (Training and the Game)

- 15:10-15:30 Rogulj, N.; Papić, V.; Foretić, N.; Srhoj, V. and Čavala, M. – CRO: *Innovative Positioning of the Goalkeeper in Defence of Seven-Metre Penalty Shots in Handball*
- 15:30-15:50 Foretić, N.; Rogulj, N.; Srhoj, V.; Burger, A. and Rajković, K. – CRO: *Differences in Situation Efficiency Parameters between Top Men and Women Handball Teams*
- 15:50-16:10 Šibila, M.; Bon, M.; Mohorič, U. and Pori, P. – SLO: *Differences in Certain Typical Performance Indicators at Five Consecutive Men's European Handball Championships Held in 2002, 2004, 2006, 2008 and 2010*
- 16:10-16:30 Pori, P.; Skaza, V.; Bon, M.; Šibila, M. and Štirn I. – SLO: *Effect of Learning on the Change of the Ball Velocity of the Set Shot in the Team Handball*

16:30-17:00 Coffee break

#### Section 1 (Humanities)

- 17:00-17:20 Sosa, P.I. and Oliver, J.F. – ESP: *Competitive Anxiety and Stress in Young Handball Players*
- 17:20-17:40 Dumitriu, D.L. – ROU: *The Importance of Roles' Dynamics Inside a Team*
- 17:40-18:00 Rivilla, J.; Lorenzo, J.; Ferro, A. and Sampedro, J. – ESP: *Effect of the Decision Making Process in the Speed of Defensive Displacement in Handball*
- 18:00-18:20 Estriga, M.L.; Costa, J.M.; Melo, A. and Fazendeiro Batista, P. – POR: *Decision Making in Portuguese Handball Referees*

#### Section 2 (Natural Sciences)

- 17:00-17:20 Gutiérrez, O.; Contreras, J.; Saaverda, M.; Fernández, J.J.; Acsinte, A.; Hernández, M. and Vazquez I. – ESP / ROU: *Influence of Birth Year of Arrival at Elite Handball Male in Junior and U18's*

- 17:20-17:40 Urban, F.; Kandrak, R. and Taborsky, F. – SVK / CZE: *Position-Related Changes in Anthropometric Profiles of Top Male Handball Players: 1980 and 2010*
- 17:40-18:00 Tůma, M.; Zahálka, F. and Malý, T. – CZE: *Postural Stability of Elite Women's Handball Players*
- 18:00-18:20 Oliver, J.F. and Sosa, P.I. – ESP: *Study of the Proportion between Women and Men's Balls of Handball and the Measurement of the Hand of Women and Men Handball Players*

### Section 3 (Training and the Game)

- 17:00-17:20 Hianik, J. – SVK: *The Team Match Performance Indicators and their Evaluation in Handball*
- 17:20-17:40 Prisacaru, R. – ROU: *Analysis of Tactics and Offensive Play Systems at the European Elite Teams in Order to Optimize the Attack of the Romanian "Top" Teams - Men's Handball*
- 17:40-18:00 Pori, M.; Justin, I.; Kajtna, T. and Pori P. – SLO: *Which Motor Abilities Have the Highest Impact on Competitive Performance of Slovenian Handball Goalkeepers?*
- 18:00-18:20 Molotjanovs, A.; Līcis, R. and Žīdens J. – LAT: *Goalkeepers' HRV Increase before Handball Competitions*

### Poster Presentation

- 18:30-19:00 Petronijevic, M. – SRB: *Mini Handball - Handball as School Project in Serbia*
- Visnapuu, M.; Jürimäe, T.; Jürimäe, J. and Allikivi P. – EST: *Relationship between High Level Young Handball Goalkeepers' Playing Characteristics and Body Composition*
- Hantău, C.; Tonița, F.; Pascal, A. and Hantău Cr. – ROU: *Influence of the Interpersonal Relationship on the Efficiency of the Attack for the Women Handball Teams*
- Tůma, M. and Vozobulová, P. – CZE: *Somatic Characteristics of Selected Youth Female Players by Czech Training Centres*
- Massuça, L.M. – POR: *The Relative Age Effect in Body Size and Success of World-Class Handball Players*
- Michalsik, L.B.; Madsen, K. and Aagaard, P. – DEN: *Activity Match Profile and Physiological Demands in Female Elite Team Handball*
- Michalsik, L.B.; Madsen, K. and Aagaard, P. – DEN: *Technical Match Characteristics and Influence of Body Anthropometry in Female Elite Team Handball Players*
- Ichimura, S.; Ogasawara, I.; Nakata, Y.; Inafuku, T.; Saito, S.; Todoroki, M.; Tamura, S.; Moriguchi, T. and Tanaka M. – JPN: *Quantification of Shooting Play Position and Shooting Course from Pictorial Handball Match Statistics Report*
- Belka, J.; Hulka, K.; Svoboda, Z. and Kostelnik V. – CZE: *Load Intensity Comparison of Woman Players Aged 17-18 in Competitive and Warm-Up Matches in Handball*
- Bon, M.; Doupona Topič, M.; Šibila, M.; Pori, P. and Leskošek B. – SLO: *Some Paths of Migration in Handball - Territory Characteristic*
- Hulka, K. and Belka J. – CZE: *Analysis of Evaluative Methods of the External Load on Players during a Match in Sport Games*
- Luig, P. and Henke, T. – GER: *Acute Injuries in Handball*
- Luig, P. and Henke, T. – GER: *Injury Prevention in Handball*

Laffaye, G. and Debanne T. – FRA: *Training Programs Used by French Professional Coaches to Increase Ball Throwing Velocity of Elite Handball Players*

**Saturday, 19 November 2011**

Section 1 (Humanities)

- 09:00-09:20 Kajtna, T.; Pori, M.; Justin, I. and Pori, P. – SLO: *Psychological Characteristics of Slovene Handball Goalkeepers*
- 09:20-09:40 Vila, H.; Rodríguez, F.; Fernandez, J. and Ferragut, C. – ESP: *Multidimensional Evaluation of Handball Players: Talent Selection by Discriminant Analysis*
- 09:40-10:00 Marczinka, Z. – HUN: *What's the Difference? – Coaching Female and Male Handball Players*
- 10:00-10:20 Bideau, B.; Vignais N.; Kulpa R.; Craig C. and Delamarche P. – FRA: *Do the Kinematic of the Throwing Action in Handball Influence Goalkeeper's Judgement?*
- 10:20-10:40 Rivilla, J.; Lorenzo, J.; Ferro, A. and Sampedro, J. – ESP: *Effect of New Technologies on the Ability to Analyze Situations Sports in University Students*

Section 2 (Natural Sciences)

- 09:00-09:20 Acsinte, A. – ROU: *Proprioceptive Training in Handball*
- 09:20-09:40 Bon, M.; Bračič, M.; Šibila, M. and Pori P. – SLO: *Handball Team Staff Heart Rate Monitoring during Women's Champions League Match*
- 09:40-10:00 Šibila, M.; Bon, M.; Mohorič, U. and Pori P. – SLO: *The Relation between Percentage of Body Fat and Measures of Running Speed, Jump Power and  $VO_{2max}$  Consumption in Slovenian Junior Elite Handball Players*
- 10:00-10:20 Delamarche, P. and Bideau, B. – FRA: *Relevance of Biological and Biomechanical Analysis in Handball Performance*
- 10:20-10:40 Póvoas, S.C.; Soares, J.M. and Rebelo A. – POR: *Activity Motor Pattern and Heart Rate during Elite Team Handball Matches*

Section 3 (Training and the Game)

- 09:00-09:20 Skarbalius, A. – LTU: *Monitoring Sport Performance in Handball*
- 09:20-09:40 Massuça L.M. – POR: *Expertise Evaluation of Technical and Tactical Proficiency in Handball: Differences between Playing Status*
- 09:40-10:00 Platen, P. and Manchado, C. - GER / ESP: *Basic Endurance Performance is Highly Correlated to Mean Heart Rate in Female Top Level Handball Players*
- 10:20-10:40 Gutiérrez Aguilar, Ó.; Ruiz Gómez, J.L. and Ramis Claver, J. – ESP: *Using DEA to Assess the Efficiency of Handball Teams*

10:40-11:10 *Coffee break*

Section 1 (Humanities)

- 11:10-11:30 Arfa, Y. – TUN: *Personality Traits as Predictors of Physical Capacities Development*
- 11:30-11:50 Dumitriu, D.L. – ROU: *Social Representations of Handball Coaches' Role*

- 11:50-12:20 Sosa, P.I. and Oliver, J.F. – ESP: *Psychological Variables Related to Motivation among Young Athletes of Handball Who Practise Competition Sport*
- 12:20-12:40 Sosa, P.I. and Oliver, J.F. – ESP: *Psychological Characteristics of Young Handball Players and its Importance for Handball Coaches*
- 12:40-13:00 Estriga, M.L; Marques de Carvalho, João; Bernandez, J. and Massada, L. – POR: *Muscle Strength and ACL Injury in Portuguese Female Handball Players*

#### Section 2 (Natural Sciences)

- 11:10-11:30 Póvoas, S.C.; Soares, J.M. and Rebelo A. – POR: *Metabolic Profile of Elite Team Handball*
- 11:30-11:50 Michalsik, L.B.; Aagaard, P. and Madsen, K. – DEN: *Match Performance and Physiological Capacity of Male Elite Team Handball Players*
- 11:50-12:20 Michalsik, L.B.; Aagaard, P. and Madsen, K. – DEN: *Technical Activity Profile and Influence of Body Anthropometry in Male Elite Team Handball Players*
- 12:20-12:40 Justin, I.; Pori, M.; Kajtna, T. and Pori, P. – SLO: *The Differences in the Selected Morphological Characteristics and Motor Abilities between the Slovenian Handball Goalkeepers and Students of Faculty of Sports*

#### Section 3 (Training and the Game)

- 11:10-11:30 Castro, J.; Sequeira, P. and Cruz, C. – POR: *Goalkeeper - Specific Training for Youngsters. Characterization of the Importance and Structure in the Formation Process of Handball Goalkeeper*
- 11:30-11:50 Wagner, H.; Pfusterschmied, J.; von Duvillard, S.P. and Müller, E. – AUT: *Performance and Kinematics of Various Throwing Techniques and Skill Levels in Team-Handball*
- 11:50-12:20 Pori, P.; Štirn, I.; Jeler, M.; Bon, M. and Šibila M. – SLO: *The Influence of Feedback on the Change of the Ball Velocity of the Set Shot in the Team Handball*
- 12:20-12:40 Laffaye, G. and Debanne T. – FRA: *Prediction of Ball Velocity during Standing Throw and Gain of Velocity Obtained by Cross Over Step*
- 12:40-13:00 Lopes, A.; Sequeira, P.; Morgado, L.; Madeira, A.; Ildefonso, J.; Pires, B.; Cardoso, M. and Dinis J. – POR: *Interaction in 3D Virtual Worlds: An Integrated Approach of Emerging Technologies in Handball*
- 13:00-13:30 Discussion
- 13:35-14:00 Closing

All oral and poster presentations will be published in a conference print documentation. All participants will receive a copy of this documentation prior to the beginning of the Conference. The documentation will also be published in the form of an e-book on the [www.eurohandball.com](http://www.eurohandball.com) website.

#### **Conference Secretariat**

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**EHF Competence  
Academy & Network**

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