

## REPORT ON THE 5<sup>TH</sup> INTERNATIONAL SCIENTIFIC CONFERENCE ON KINESIOLOGY "KINESIOLOGY RESEARCH TRENDS AND APPLICATIONS"

Zagreb, Croatia, September 10-14, 2008

The 5<sup>th</sup> International Scientific Conference on Kinesiology, under the title "Kinesiology Research Trends and Applications", was held in Zagreb from 10<sup>th</sup> to 14<sup>th</sup> September, 2008, at the Faculty of Kinesiology, University of Zagreb and the projection hall of the Student Residence Stjepan Radić. It was organized by the Faculty of Kinesiology, University of Zagreb, Croatia, in cooperation with the Faculty of Sport, University of Ljubljana, Slovenia, Faculty of Physical Education and Sport, University of Sarajevo, Bosnia and Herzegovina, and Faculty of Physical Education and Sports, Comenius University, Bratislava, Slovakia. As with all the previous Conferences it was organized under the traditional high patronage of the Croatian Academy of Sciences and Arts.

The Conference work was organized in 14 sections: Adapted Physical Activity and Sport for the Disabled; Biology and Medicine of Sport and Exercise; Biomechanics and Motor Control; History of Sport and Olympic Movement; Management of Sport; Philosophy of Sport; Physical Conditioning; Physical Education; Psychology of Sport; Research Methodology; Sociology of Sport; Sport for All, Fitness and Health; and Top-level Sport. More than 400 scientists – scholars, researchers, novices and postgraduate students, as well as practitioners of kinesiology in education, sport, physical recreation, kinesitherapy and the Armed Forces, all from Austria, Bosnia and Herzegovina, Belgium, Bulgaria, Byelorussia, Croatia, the Czech Republic, Estonia, Finland, France, Germany, Hungary, Iran, Italy, Lithuania, Macedonia, Montenegro, Norway, Poland, Russia, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine, the United Kingdom, and the United States of America participated in the four day conference programme. In four plenary, fourteen thematic parallel sessions and thirteen poster sessions there were more than 130 oral and 90 poster presentations. An impressive number of 239 articles were printed in the Proceedings Book which contained 1012 pages. Along with the Proceedings Book, a CD with an electronic version of the articles, which allows for browsing by a key word, the authors' name, a title and a country, was also printed and distributed at the Conference. The Scientific Committee consisted of 59 members from 16 countries and 3 continents. The Organizing Committee had contacted 50 potential key-note speakers and 42 accepted the invitation and came to the Conference. A total number of 246 scientific



contributions were received to the Conference Office out of which 239 were published after the international peer review procedure. Peer reviewing was done by 55 scientists from 11 countries.

The Conference officially started on September 10<sup>th</sup> 2008 at 7:00 pm at the Opening Ceremony in the Croatian National Theatre with 500 participants and invited guests present. Croatian folklore assembly "Lado" opened the ceremony with their famous folk dance performances after which Prof. Dinko Vuleta, PhD, Dean of the Faculty of Kinesiology, formally declared the Conference on Kinesiology open and introduced the guests of honour. A warm welcome to all the participants and guests of the conference was given by the welcome speeches of FCA Zvonko Kustić, representative of the Croatian Academy of Sciences and Art, Aleksa Bjeliš, Rector of the University of Zagreb, Radovan Fuchs, the State Secretary in the Ministry of Science, Education and Sport and Dragan Milanović, the President of the Organizing Committee. Two eminent scientists appeared in the scientific programme of the Opening Ceremony with their presentations. Prof. Erich Müller, from Austria (Department of Sport Science and Kinesiology, University of Salzburg) opened the plenary session with the theme "Sport Science in Europe – History and Perspectives" and Prof. Jay R. Hoffman from the USA (College of New Jersey, Ewing, NY) presented his contribution entitled "Maximizing athletic performance: observations on periodization and variation".

On the first conference day (Thursday, September 11<sup>th</sup>) 6 out of 14 conference sections were introduced: Top-level Sport, Management of Sport, History of Sport and the Olympic Movement, Physical Conditioning, Psychology of Sport and Adapted Physical Activity and Sport for the disabled. In the

plenary part appeared Prof. Erich Müller from Austria with the presentation “Biomechanics and sport – challenge on performance and safety”, Prof. Barry Drust from the United Kingdom with the presentation “Promoting endurance training adaptations through nutritional interventions: low-carbohydrate training”, Prof. Claude Sobry from France with the presentation “Sport management, a model of professional diversification in sport science studies” and Prof. Roland Renson from Belgium with the presentation “From kinesiology to kinesiology 1854-2008: looking backwards to look forwards”.

Top-level Sport, Management of Sport and History of the Sport and the Olympic Movement sections worked in the morning sessions. The Top-level Sport section was organized in two sessions: the morning and the afternoon term. Introductory speaker for the morning session was Prof. Włodzimirz Starosta from Poland with the presentation “Advanced left-handed athletes of different sport discipline in the motor education system for right-handed persons” and for the afternoon session Prof. Anita Hökelmann from Germany with the presentation “New perspectives for performance analysis in gymnastics, handball and skiing”. A total of 36 scientific contributions were published in the Proceedings book under this section and all of them were presented.

Management of Sport section was organized in the morning session only and the introductory speaker was Prof. Jakob Bednarik from Slovenia with the presentation “Analysis of the income structure of sports organizations and expenditure of the Slovenian population for sport as a possible research approach to economic aspects of sport”.

History of Sport and the Olympic Movement section was also organized only in the morning session with Prof. Tomaž Pavlin from Slovenia as the introductory speaker. He presented his contribution under the title “Sport, the notion of modern, time-appropriate physical education”.

The poster sessions, with all six sections of the first day, were organized in the early afternoon. The authors were obligated to be at the disposal of

the audience at their exhibits to present them personally. Poster session chairpersons of each section also reviewed the posters and presented their evaluations to the Section Editors. All poster displays were well attended and offered time for discussion among the scientists.

The afternoon scientific programme continued with three plenary presentations. Prof. Inigo Mujika from Spain opened it with the presentation “Scientific bases of tapering for competition”. Prof. Horst Strohkendl from Germany presented his contribution under the title “Adapted physical activities and sport for the disabled” and Prof. Giovanni Buccino from Italy ended the plenary session with his presentation “Language processing and the activity of the motor system”.

In the afternoon parallel sessions Physical Conditioning, Psychology of Sport and Adapted Physical Activity and Sport for the Disabled sections were introduced to the audience.

The introductory and key-note speakers for the Physical Conditioning sections were Prof. Nicolas Terrados from Spain with the presentation “New aspects of altitude training, genes and health”, Prof. Lee E. Brown from USA with “Variable velocity training in the periodized model”, Prof. Nejc Šarabon from Slovenia with “Balance and functional joint stability as important elements in physical conditioning and injury prevention”, Prof. Sergej Ostojić from Serbia with “Correlates of success in basketball: physiological profiling of elite players” and Prof. Julio Calleja from Spain with “Is hyperthermia a limiting factor during long endurance competitions in top-level athletes?”.

On Friday, the second day of the Conference, three sections were introduced: Sport for All: Fitness and Health-Related Activities, Research Methodology and Biomechanics and Motor Control. The plenary session of the day offered four very interesting lectures. Prof. Tommi Vasankari from Finland gave a lecture on “Current challenge in HEPA”, Prof. Petr Blahuš from the Czech Republic spoke about “Some myths and misunderstanding in test reliability: methodological foundations”, Prof. Mark



Croatian folklore assembly “Lado”

L. Latash from the USA introduced “Hierarchies of synergies in human movements” and Prof. Ross Sanders from the United Kingdom closed with his presentation “Advancing swimming science with CARE”.

Introductory speakers then opened the section work in three parallel sessions. Prof. Fiona Bull from the United Kingdom introduced the section Sport for All: Fitness and Health-Related Activities with the presentation “Promoting participation in physical activity, sports and exercise: a public perspective”. The Research Methodology section was introduced by Prof. Mike Hughes from the United Kingdom with his work entitled “Notational analysis of soccer” and the Biomechanics and Motor Control section was introduced by Prof. Slobodan Jarić from the USA with the presentation “Force coordination in manipulation tasks: effects of the grasping technique”. The poster sessions of all three sections of the day were very successfully organized afterwards.

In the evening hours all the deans and vice deans of the co-operational faculties from Sarajevo, Bratislava and Ljubljana, as well as all the introductory and key-note speakers and Section Editors joined together on the dean’s dinner in the fabulous Gjalski castle, nearby Zagreb.

On the last day of the Conference, Saturday, September 13<sup>th</sup>, the last four sections were introduced to the participants: Biology and Medicine of Sport and Exercise, Physical Education, Sociology of Sport and Philosophy of Sport and Kinesiology in the Armed Forces. In the plenary session Prof. Toivo Jurimae from Estonia spoke about “Measurement of body composition in sport”, Prof. Branislav Antala from Slovakia presented his work entitled “School physical education curriculum changes in Slovakia in an international context” and finally Prof. Otmar Weiss from Austria presented his contribution entitled “Sport as a social phenomenon”.

The introductory speakers for the sections held in the parallel sessions were Prof. Marcello Faina from Italy with the contribution “The purpose of exercise testing (functional diagnostics) in team sports” for the Biology and Medicine of Sports and Exercise section, Prof. Maurizio Sibilio from Italy with the presentation “The motor sport evaluation in primary school in Italy” for the Physical Education section and Prof. Milan Hosta from Slovenia with the presentation “An outline for further synthesis of new play-sport culture”. The work of Kinesiology in the Armed Forces was organized through poster presentations.

The Conference was formally declared concluded at the Closing Ceremony on Saturday at 7 p.m. The president of the Scientific Committee, Prof. Franjo Prot, gave a short report of the four day work of the Conference. After the report the Young Researchers Awards were ceremonially declared. This year the reward for young researchers was, for the first time, named the Young Research Award Miloš Mraković in honour of the late professor Miloš Mraković who was the “father” of kinesiology as a science in Croatia. The Young Researchers Award Committee, the members of which were Prof. Jan Borms from Belgium, Prof. Bart Vanreusel from Belgium and Prof. Julio Calleja from Spain, gave the first reward for podium presentation to Dalibor Veber from Croatia for his contribution entitled “Training induced oxidative damage in professional soccer players”. The second prize in the oral presentation category was given to Zrinka Greblo from the Faculty of Kinesiology, University of Zagreb who participated with the contribution entitled “Relationship between exercise frequency and self-perceived mental health”. The third prize went to Pavle Mikulić from the Faculty of Kinesiology, University of Zagreb, for his presentation entitled “Aerobic power as related to physical maturity in 12-year old male rowers”. Matteo Bertuc-

co from the Faculty of Exercise and Sport Science, University of Verona, Italy received the Miloš Mraković Award for his poster presentation entitled “The fitts’ law and the anticipatory postural adjustment”. The YRA sponsors were Mr Ivica Olić, a member of the Croatian national football team, and Mr Mirko Filipović, Croatia’s most famous ultimate fighter.

THEMATIC SECTIONS	PRESENTATION	
	PODIUM	POSTER
Adapted Physical Activity and Sport for the Disabled	5	2
Biology and Medicine of Sport and Exercise	11	13
Biomechanics and Motor Control	12	5
Management of Sport	12	3
History of Sport and Olympic Movement	13	1
Physical Conditioning	2	13
Physical Education	11	24
Psychology of Sport	5	5
Research Methodology	11	11
Sociology of Sport and Philosophy of Sport	12	4
Sport for All, Fitness and Health	11	5
Top-level Sport	17	24
Kinesiology in the Armed Forces	/	9

## THE JOURNAL *KINESIOLOGY*'S EDITORIAL BOARD MEETING

On Friday, September 12, 2008 at 6.30 p.m., and during the 5th International Conference on Kinesiology, the small amphitheatre of the Faculty of Kinesiology hosted the Editorial Board members and some honourable guests on the occasion of the international Editorial Board and Advisory Board members Meeting. After Opatija in 2005 the members gathered again and this time on the premises of publishing institution of the journal. Among the 50 people present we must proudly emphasise the presence of the 24 guests, mostly introductory and key note speakers attending the Conference, who happily joined in the Editorial Board Meeting, accepted Editorial Board membership and/or made certain contributions to the work of the meeting by making some excellent suggestions.

The Meeting was opened with the delightful news of Thomson Scientific's intention to subject our scientific journal to evaluation for possible inclusion in some of their most highly estimated cited products. In an atmosphere of collaboration the crucial moments that had taken place since the last Editorial Board Meeting were enumerated, such as: increased financial support by the Croatian Ministry of Science, Education and Sport, the commencement of the office of the Junior Editor as the first professional in the journal, as well as the opening of the internet edition of points. It was also announced that the Open Journal System as the new journal management and publishing system will be utilized in order

to improve and enhance the inflow, review, editing and distribution procedure.

The Meeting introduced some very important issues regarding the future of the journal. A new section disposition was proposed and some very interesting suggestions were made. The discussion led to the conclusion that the new section disposition shall be set in the next year, mostly in accordance with the journal's income in the recent years and the year to come. It was pointed out that, with the possible inclusion in the Web of Science, the number of article submissions would increase and therefore it was suggested to engage Section Editors in the evaluation procedure as well as in editing. To further improve the quality of the journal a referee list widening was also proposed. The members of the Editorial Board and guests were asked to promote the journal *Kinesiology* among their colleagues and propose experts in the specific fields of kinesiology as referees for the journal. As a possible inclusion in the Thomson Reuters's scientific citation bases would generate an increased number of incoming articles, it was mentioned that the body of referees needs to be enlarged in order to alleviate the task of the already overburdened peer reviewers.

In conclusion, Prof. Dragan Milanović, Editor-in-Chief, thanked everyone for coming and participating in the discussion. The next Editorial Board Meeting was announced for the year 2011, within the framework of the 6<sup>th</sup> Conference on Kinesiology.



*The members of the Editorial Board and their guests: In front (from the left): Daniel Bok, Włodzimir Starosta, Darija Omrčen, Mirna Andrijašević, Ludmila Zapletalová, Fiona Bull, Marija Rakovac, Henriette Dancs, Anita Hökelmann, Mike Hughes. In the back (from the left): Elizabeth Harrison Paj, Petr Blahuš, Kenneth L. Swalgin, Željka Jaklinović, Lubor Tomanek, Tomaž Pavlin, Slobodan Jarić, Miroslav Holienka, Igor Jukić, Jay R. Hoffman, Jan Borms, Otmar Weiss, Claude Sobry, Dragan Milanović, Lee E. Brown, Dinko Vuleta, Stjepan Heimer, Milan Čoh, Bart Vanreusel, Renata Barić, Ivan Prskalo, Tommi Vasankari, Vladimir Medved, Branislav Antala, Leonid Dragunov, Daniela Dasheva, Horst Strohkendl, Nikola Hadžiev, Roland Renson, Vitaly A. Kashuba, Srećko Sertić, Roman Kalina, Bartłomiej Barczyński, Toivo Jürimäe*