



The third Conference of the
International Society
for the Social Sciences
of Sport (ISSSS)

Sport and Physical Culture in the Mirror of the Social Sciences

September 21-24, 2011
Olomouc, Czech Republic

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EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ



ABOUT

The third Conference of the International Society for the Social Sciences of Sport (ISSSS) „Sport and Physical Culture in the Mirror of the Social Sciences“

The third conference of the International Society for the Social Sciences of Sport takes place at Palacky University in Olomouc from 21st to 24th September 2011.

The Conference is organized by the Faculty of Physical Culture, Palacky University, Olomouc as one of the events held on the occasion of the 20th anniversary of the Faculty.

Previous two conferences, held in Warsaw, brought together the experts from various countries from around the world (USA, Spain, Italy, Iran, Pakistan, Japan, England, Portugal, Finland, Gambia, Poland, Brasilia, Hungary, Slovenia and the Czech Republic). A new challenge has unified all these countries in their effort to integrate the social sciences dealing with physical culture and sport in Europe as well as in other parts of the world.

We kindly invited all experts, who wish to gather or share the knowledge concerning inter alia broadly understood social sciences of sport, it means: philosophy, sociology, history, psychology, pedagogy of sport and also social issues of management of sport, tourism and recreation and theoretical and practical aspects of particular disciplines of sport. Organizers of this Conference would like to suggest to the future authors to pay attention among other things on human, cultural, symbolical, axiological, aesthetical, ethical issues and traditional and contemporary aspects of physical culture and sport activity.

International Society for the Social Sciences of Sport (ISSSS)

ISSSS Authorities

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PALACKÝ UNIVERSITY OLOMOUC

Palacký University Olomouc was re-established by the Act of the Interim National Assembly, passed on February 21, 1946. It followed up with the tradition of the old Olomouc university, which was established in 1573 and closed in 1860. Therefore the Olomouc University can justly be considered the second oldest university in Bohemia, Moravia and Silesia.

At present the Palacký University, Olomouc is formed by eight faculties: St. Cyril and Methodius Faculty of Theology, Faculty of Medicine, Philosophical Faculty, Pedagogical Faculty, Faculty of Science, Faculty of Physical Culture, Faculty of Law and Faculty of Health Sciences.

Approximate number of students is 21 000.

FACULTY OF PHYSICAL CULTURE

The Faculty of Physical Culture is one of the newly established faculties (1991) of the historically renowned University in Olomouc (established in 1573, closed in 1860; re-established as Palacký University in 1946). It ranks among the most modern faculties and boasts a very ambitious programme. It aims to prepare qualified teachers of physical education for all types of schools, and to train experts for out-of-school physical activities of children and young adults, and for physical activities of all groups of the population, including people with disabilities. Besides training teachers, the Faculty offers programmes in Leisure Studies, Adapted Physical Activities, Physiotherapy and Civic Studies. Additionally, a doctoral study programme in Kinanthropology is also one of the hallmarks of the curriculum.

The educational programme of the **Faculty of Physical Culture** is no longer restricted to the Teaching of Physical Education, the Faculty also prepares Professional for Physiotherapy, Adapted Physical Activities, Leisure Studies, Sports Management and Training, Physical Education and Sports, and Civil Protection

Three years Bachelor's degree programmes of study can be followed in a subsequent two-year Master's degree programme. The Faculty offers Ph.D. study programme in Kinanthropology. The Adapted Physical Activities programme is open to students with different disabilities.

Through its **Centre for Training Studies** the Faculty offers re-qualification and licence studies for specialists in physical education outside the school system, in sports clubs and unions, travel agencies, security forces, public services, state administrative and other organizations.

The **Sports Hall** with two separate indoor fields and with a whole complex of outdoor sports grounds including a boat house serve mainly for the practical training of the students of the Faculty of Physical Culture, but also for optional physical education of students from other Palacký University faculties, as well as for the training activities and the championships of Palacký University Sports Club. Its equipment meets all requirements of sports at international (Olympic) level.

Centre of Research in Kinanthropology

is a scientific and research centre, which is focused on human motion activities and health, viewed from various aspects and in all stages of life.

KEYNOTE SPEAKERS



Prof. Dr. Jim Parry (UK)

Topic: Our acceptance of pain and injury in sport

Brief Biography

Jim Parry was Head of the Department of Philosophy, University of Leeds, England, and is now Visiting Professor at the Faculty of PE and Sport, Charles University in Prague.

- Played student football at international level, and 15 years as a semiprofessional.
- Qualified and experienced PE teacher (high school) and sports coach (football, rugby, basketball, tennis).
- First degree in Philosophy, higher degrees in Philosophy of Education, Politics, Law and doctorate in Philosophy of PE and Sport (Olympism).
- Co-author of 'The Olympic Games Explained', 2005, and 'Sport and Spirituality', 2007
- Co-editor of 'Ethics and Sport', 1999, and 'Theology, Ethics and Transcendence in Sport', 2010, all with Routledge, London.
- Former Chair of the British Universities Physical Education Association, 1983-5
- Founding Director of the British Olympic Academy, from 1986
- Collaborator with the International Olympic Academy, from 1986
- International Professor of Olympic Studies, Autonomous University of Barcelona, 2003
- International Professor, Olympic Chair, University of Ghent, 2009
- Chair of British Philosophy of Sport Association, 2011-13
- Co-organiser of 1st Annual Conference of European Association for Philosophy of Sport, Prague 2011
- International Association for Philosophy of Sport Distinguished Scholar Award, 2010-11
- Visiting Professor of Olympic Studies, Gresham College, 2012.

Brief Scientific Profile

- My interests are in the Philosophy of Sport and Physical Education, and my research interests cohere with this background.
- In Philosophy of PE, I have published on the nature of PE and its justification on the school curriculum.
- In Sports Philosophy, I have published on the nature of high-performance sport, its socio-political importance, and its relevance to social health goals.
- In Sports Ethics, I have published on Coaching Ethics, Doping, Violence, and the ethics of Dangerous Sport. Also on ethical aspects of children's sport - currently working on an ethical analysis of the Youth Olympic Games, Singapore 2010,
- In Sports Ethics Pedagogy, as Assistant Director of the National Centre of Excellence in Teaching and Learning for Applied Interdisciplinary Ethics (the IDEA CETL) I was responsible for a major international sports ethics teaching materials project.
- Philosophy of Olympism has also been an emphasis, with a book and several articles published.
- Sport and Spirituality is a recent interdisciplinary venture in sports philosophy and ethics, with two books, one jointly written and one jointly edited.

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- Also recently developed an interest in Continental and Eastern philosophies, with papers written or planned on Zen and Sports, Martial Arts Taxonomy, Phenomenological Approaches to the Study of Sport, and Heidegger, the Body and Sport.
- I have been on the editorial board of the two major international Sports Philosophy journals, and am Joint Editor of the 2011 Special Issue of the Journal Sport Philosophy and Education

Books:

- McNamee M and Parry J (eds), *Ethics and Sport* (Routledge, 1999)
- Girginov V and Parry J, *The Olympic Games Explained* (Routledge, 2005)
- Parry J et al, *Sport and Spirituality* (Routledge, 2007)
- Parry J et al, *Theology, Ethics and Transcendence in Sport* (Routledge, 2010)

Articles and chapters:

- Must sport scientists think philosophically about science? (in McNamee M, ed, *Philosophies of Sport, Health and Exercise* London: Routledge, 2005, pp. 22-33)
- Children in sport: ethical issues (in Vanden Auweele Y (ed) *Ethics and Youth Sport* Leuven: LannooCampus, 2006, pp. 103-116)
- The idea of the record (*Sport in History*, 26, 2, August 2006, pp. 197-214)
- Doping in the UK (*Sport in Society*, 9, 2, April 2006, pp. 269-296).
- Sport and Olympism: universals and multiculturalism (*Journal of the Philosophy of Sport*, 33, 2006, pp. 188-204).
- (with Martinkova I,) *Coaching and the limits of performance enhancement* (in Jones C and Hardman A: *Coaching Ethics*, Routledge 2010)
- (with Martinkova I,) *The double instrumentality of sport* (*Studies in Physical Culture and Tourism*, 2011, vol. 18, no. 1, pp. 25-32)



Prof. Dr. Mark Stephen Nesti (UK)

Topic: A phenomenology of football and identity with special reference to spirituality

Dr Mark Nesti is Reader in Sport Psychology at Liverpool John Moores University where he is also head of the MSc in Sport Psychology. His applied work draws on the application of existential psychology to sport. Current research interests with colleagues at LJM University are focused on identity, meaning and critical moments in sport. Mark was formerly the counselling sport psychologist to the first team at Bolton Wanderers football club (03/07) and at Newcastle United FC (07/08). During the past 2 seasons he has been delivering sport psychology for 4 days a week at Hull City AFC in the Premier League. His book published by Routledge in 2010 on Psychology and Professional football draws on over 15 years involvement in the sport at Premier League level. A BASES accredited sport psychologist and British Psychological Society chartered psychologist, he has been involved in applied work with many sports during the past 23 years. Formerly course leader for the MSc Sport and Exercise Science at Leeds Metropolitan University, Carnegie, he has also worked in sport as a development officer and Sport England Regional Officer. He is the former Executive Director of the Centre for the Study of Sport and Spirituality at York St John University and is a member of the John Paul II Foundation for Sport. His most recent book, *Theology, Ethics and Transcendence in Sports* (Parry, Nesti and Watson, 2011) considers the intersection between sport psychology and spirituality.

Mark is a British Psychological Society chartered psychologist and Reader in Sport Psychology in the school. He has been a BASES accredited sport psychologist since 1990 and has acted as a consultant during the past 20 years with a range of sports at different levels of performance, from club to Olympic standard. He has worked in Premier League football as first team counselling sport psychologist at Bolton Wanderers 2003-2007, Newcastle United 2007-08, and at Hull City 2008-09. The work involved helping players develop their psychological skills and qualities, and acting as an organisational psychologist to support the coaching and sports science staff. Mark was based at these clubs 3-4 days each week. His most recent books, both published by Routledge, focus on applied psychology and Premiership football (2010) and sport, ethics and spirituality (2011). Mark is the former Executive Director of the Centre for the study of Sport and Spirituality at York St John University and is a member of the Pope John Paul II foundation for sport.

Mark lectures on the applied sport psychology, sports science, and science and football undergraduate degrees, and is the programme leader for the School's MSc Sport Psychology degree. As a BASES Accredited Sport and Exercise Scientist, Mark works closely with Drs Littlewood and Knowles supervising postgraduate students within the School's BASES Accreditation programme. This programme provides a progressive and tailored educational package for prospective applied practitioners seeking to advance into professional and high performance sport. Mark is able to supervise students wishing to progress towards full Chartership status as sport psychologists through the BPS. Given his experience of applied work, he specializes in providing support for those currently operating within, or hoping to work in, sport psychology in professional football and elite level professional sport.

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Mark is an experienced qualitative researcher who utilizes a range of approaches within his work. He is very interested in working with others to pursue his longstanding interest in the use of phenomenological methods in sport.

Sample of key papers

- Mitchell, T., Nesti, M., Eubank, M., Richardson, D. and Littlewood, M. (under review). Exploring Athletic Identity in English Professional Football: A Cross Sectional Approach.
- Relvas, H. Littlewood, M., Nesti, M., Gilbourne, D and Richardson, D. (2010). Organisational Structures and Working Practices in Elite European Professional Football Clubs. *European Sport Management Quarterly*, 10 (2), 165-187.
- Nesti, M., Littlewood, M., Eubank, M. and Richardson, D. (under review). Critical Moments in Elite Premiership Football: Who do you think you are?.
- Crust, L. and Nesti, M. (2006). A Review of Psychological Momentum in Sports: Why qualitative research is needed. *Athletic Insight-The Online Journal of Sport Psychology*.
- Watson, N. and Nesti, M (2005). The Role of Spirituality in Sport Psychology Consulting: An analysis and integrative review of literature, *Journal of Applied Sport Psychology*, 17: 228-239.

Books and book chapters

- Nesti, M. & Littlewood, M. (2010). Making your way in the game: Boundary situations within the world of professional football. *Critical Essays in Sport Psychology* (Eds. D. Gilbourne & M. Anderson), Human Kinetics.
- Parry, J., Nesti, M. and Watson, N. (2010). *Theology, Ethics and Transcendence in Sport*, London: Routledge.
- Nesti, M. (2010). *Psychology in Professional Football: Working with elite and professional players*, London: Routledge.



Prof. Dr. Jerzy Kosiewicz (PL)

Presidential address

Topic: Foul play in the sport as an acceptable and desirable phenomenon

Prof. dr hab. Jerzy Kosiewicz was born on October 13, 1949 in Wrocław, Poland. He graduated Josef Pilsudski University of Physical Education in Warsaw (M.Sc. in Physical Education; 1968 - 1973), Łódź University (M.Sc. in Philosophy; 1973-1978), Łódź University (M.Sc. in Theatrical Matters; 1978-1982), Warsaw University Postgraduate Study of Religious (1982-1984). He obtained his PhD at the Josef Pilsudski University of Physical Education in Warsaw in 1984. In 1993 completed and obtained a habilitation - postdoctoral degree - at the Russian Academy of Sciences - Culture Studies Institute Moscow and was awarded a professor chair at the Josef Pilsudski University of Physical Education in Warsaw. His professional academic career includes the following positions: Head of Doctoral Studies at the Josef Pilsudski University of Physical Education, Warsaw (1993 - 1999), Head of Philosophy Department Josef Pilsudski University of Physical Education, Warsaw (1993 - present), Head of the Chair of Social Sciences (including Department of Philosophy, Department of Sociology and Department of Management and Organisation) at the Josef Pilsudski University of Physical Education, Warsaw (1999 - present).

He has often been invited as a visiting professor to give lectures at the following universities: Univerzita Palackého in Olomouc, the Czech Republic (4 times); Jyväskylä University, Finland (3 times); Semmelweis University in Budapest, Hungary (4 times); the Norwegian School of Sport Sciences in Oslo (2 times); Deutschen Sporthochschule Koeln; INEF de Catalunya in Barcelona, Spain; Univerzitetu Komenského in Bratislava, Slovakia (2 times); Tallinn Pedagogical University in Estonia (2 times); the Lithuanian Academy of Physical Education in Kaunas, Lithuania; Universidad de Colima in Mexico; La Universidad de Guadalajara in Mexico and Universidad Iberoamericana in the Mexico City; the University of Southern Denmark in Odense and the University of Stirling in Scotland, Università degli Studi di Roma „Foro Italico“, Polytechnic of Viseu, Universidad de Las Palmas, University of Florence, Universität Leipzig.

Professor J. Kosiewicz is the author of over 700 articles (including over 150 in English) and eight individual books: *Kultura fizyczna, osobowość, wychowanie. Zagadnienia metodologiczne* (Physical Culture, Personality, Education. Methodological Issues), Warszawa 1986, *Człowiek i jego ciało w uczeniu Cerkwi i rannochrześcijańskiej filozofii - istoczniki i problemy*. Monografia. (Man and his Body in the Church's Doctrine and Early Christian Philosophy - Sources and Issues. Monograph), Moskwa 1991, *Bóg, cielesność i przemoc* (God, Human Body and Violence), Warszawa 1997), *Myśl wczesnochrześcijańska i katolicka wobec ciała*, (Early Christian and Catholic Concept of Human Body), Warszawa 1998, *Bóg, cielesność i miłość* (God, Human Body and Love) Warszawa 1998, *Kultura fizyczna i sport w perspektywie filozofii*, (Physical Culture and Sport in a Philosophical Perspective), Warszawa 2000, *Filozoficzne aspekty kultury fizycznej i sportu* (Philosophical Aspects of Physical Culture and Sport), Warszawa 2004, *Philosophy and Sport: From Methodology to Ethics*, Warsaw 2010. He is also, a scientific editor of twenty four collection books (thirteen of them edited in English) and Editor-in-Chief of journal entitled „Physical Culture and Sport. Studies and Research“.

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Main fields of his research include philosophical anthropology (Christianity body concept), philosophy of religion, general methodology and methodology and philosophy of physical culture and sport. Some other interests include cultural and educational aspects of tourism and recreation.

He has established European Association for the Sociology of Sport in 2001 (together with Prof. Otmar Weiss) and International Society for the Social Sciences of Sport in 2009 and Polish Association for the Social Sciences of Sport in 2010.

Prof. Dr. Kosiewicz is full professor. On September 7, 2009 Professor Kosiewicz was granted the Doctor Honoris Causa award by the Senate of Semmelweis University of Budapest (Hungary).

Prof. Dr. Jerzy Kosiewicz is a member of the following scientific associations and organisations:

1. International Society for the Social Sciences of Sport - President,
2. European Association for Sociology of Sport - past Vice President,
3. International Sport Sociology Association,
4. International Society of Eastern Sports & Physical Education,
5. International Association for Greek Philosophy,
6. European Society for Study on Science and Theology,
7. Polish Philosophical Association,
8. Polish Religions Study Association,
9. Polish Association for the Social Sciences of Sport - President,
10. Polish Physical Culture Scientific Association,
11. International Association for the Philosophy of Sport,
12. British Philosophy of Sport Association,
13. European Association of the Philosophy of Sport - member of the Board,
14. Theatre Critics Section of Polish Artists Association - Vice President.



Prof. Dr. Patrizia Zagnoli (Italy)

Topic: The impact of digital technologies on sport content and people participation

Education

Patrizia Zagnoli attended the Faculty of Political Sciences „Cesare Alfieri“ graduating herself with magna cum laude in 1976. In this Faculty she has begun her academic career, continued with the Master „Adriano Olivetti“ in Business Management and Economics and the Ph.D. program in Economics at the European University Institute, EEC University. In the '80s during her Ph.D. program Patrizia Zagnoli obtained American and Italian scholarships that have allowed her to develop periods of study and research at the MIT in Boston, the Harvard Business School and the University of Stanford where she has deeply studied research topics such as Economics of the Innovation related to the high tech start up sectors to which she has dedicated one of her first volumes on organizational economics of Silicon Valley ICT sectors.

Research

Expert of the small enterprise local productive systems, Patrizia Zagnoli has dedicated numerous researches and publications to industrial districts and to the difficult transition process from small to medium size enterprises. The main research topics related to the industrial design and to the processes of planning and development of new products is typically a meaningful link between the Italian creativity and craftsmanship and the processes of innovation and application of new technologies. Full professor of Business and Economics of Enterprises since 1994, Patrizia Zagnoli has taught at the University of Trento, Pisa, Cagliari, Urbino, Scuola Superiore Sant'Anna di Pisa, Florence, University of California - Berkeley, University of Central England - Birmingham, Heidelberg and Warsaw. She is member of Scientific Committees and Editorial Boards and Foundations like the Football Museum Foundation linked to the Italian Football Federation. She has developed consultant activity for United Nations, Piaggio, Matsushita, Censis, Montedison, General Confederation of Craftsmanship, Tuscany Region, Ministry of Merchant Navy, Remit Consultant, Industrial Association, Assefor, Sviluppo Italia, etc. She is author of several scientific publications on innovation economics, industrial economics and services economics. Among them the latest book „Sport Marketing and New Media“ (2010). Since 2001 she has founded and directed the new Master Degree Program in Sport Management at the University of Florence (Italy).

Her main research and teaching topics are:

- sport marketing and communication;
- new media applications within the sport sector (websites, blog, social networks, etc.);
- sport events marketing;
- sport tourism.

Since 2008 she is the Head of the Sport Management Lab at the same University, point of reference for the documentation and research activities made both inside the Master Degree and in collaboration with sport stakeholders such as Institutions and sport organizations (Coni, local municipalities, sport Federations and Leagues, no profit associations, new media companies, etc.).

Honorary Membership: Prof. Dr. Gyöngyi Szabó Földesi

Prof. Dr. Gyöngyi Szabó Földesi, Doctor of the Hungarian Academy of Sciences comes from Semmelweis University, Faculty of Physical Education and Sport Science, Department of Social Sciences, Hungary. Her branch and specialization discipline is sociology and sport sociology, actually research in the all major fields of sport (elite sport, Olympic sport, sport for all, student sport, disability sport, sport as a cultural consumption, ect.) from a sociological perspective.

3 of the most important publications (in English)

- Földesiné Sz. Gy. (1996) Football, Racism and Xenophobia in Hungary: Racist and Xenophobic Behaviour of Football Spectators. In Merkel, U.-Tokarski, W. (eds.) Racism and Xenophobia in European Football. Meyer und Meyer Verlag, Aachen. 169-186.
- Földesiné Sz. Gy. (2003) Sport Inspired by the Iron Curtain. In Somlyódy, L. - Somlyódy, N. and Wilkinson, T. (eds.) Hungarian Arts and Sciences 1848-2000. Social Sciences Monographs, Boulder, Colorado. 413-468.
- Földesiné, Sz. Gy. (2010) Hungary. In Nicholson, M. Hoyer, R. Houlihan, B. (eds) Participation in Sport International Policy Perspectives. Routledge, London and New York. 76-90.



ABSTRACTS OF SPEAKERS

Béki Piroska

BOXING VS. RHYTHMIC GYMNASTICS, FEMALE ATHLETES' VIEWS OF EACH OTHER

Piroska Béki Semmelweis University Budapest, Faculty of Physical Education and Sport Sciences Boxing vs. Rhythmic Gymnastics, female athletes' views of each other Based on the theory of Metheny (1965), women can choose three different categories of sports in terms of their social acceptance. At the two ends of this spectrum, we can find the masculine sports which are not recommended for women, and the sports which are considered as especially feminine. In the first group, we can find activities in which there is physical contact with the opponent, or heavy equipment has to be used, and the body is exposed to long term workload. In the third group, that is the opposite end, we can find sports which are done with light equipment, or opponents are separated by aesthetic or spatial borders, or which can be described by mobility and quickness. The rest of sports belong to the middle category. The presentation reports on the first results of a PhD research project which deals with the gender stereotypes related to female representatives of Olympic sports. In this phase, the opinions of female national boxing and rhythmic gymnastics team members on each other and on each other's sport were examined. In the research, the following questions were put forward:

- How do the athletes view the sports of one another and the representatives?
- Which social strata are the athletes recruited from?
- Are there differences in the childhood sport socialization processes of the representatives of the two sports?
- Are there differences between the gender identities of the female athletes?
- What was the motivation behind their decision to choose their sports? The hypotheses were as follows:
- The opinions of rhythmic gymnasts and female boxers can be characterized by strong stereotyping.
- Representatives of rhythmic gymnastics do not consider boxing as an acceptable sport for women, while boxers reject rhythmic gymnastics.
- Female wrestlers were 'tomboys' in their childhood, whereas rhythmic gymnasts engaged in feminine activities in their early socialization periods, which had an effect on choosing their sport.

On the research methods: semi-structured interviews were made with Hungarian female national boxing team members (N=12) and national rhythmic gymnastics team members (N=12). During the PhD research, female athletes of the following sports are to be investigated: weightlifting, marathon running, triathlon, handball, volleyball, track and field, gymnastics. The results will be presented based on the analysis of the interviews. Key words: gender, gender identity, boxing, rhythmic gymnastics

References: Földesiné, Sz. Gy., Gál, A., Dóczi, T. (2010): Sportszociológia. Budapest: Semmelweis Egyetem Testnevelési és Sporttudományi Kar. Mennesson, C. (2000): 'Hard' Women and 'Soft' Women: The Social Construction of Identities among Female Boxers. *International Review for the Sociology of Sport* 35, 21-33. Metheny, E. (1965): A collection of speeches about sport and dance as significant forms of human behavior. Dubuque, Iowa: W. C. Brown Co.



Biancalana Vincenzo
Alessandra Nart

PARENTAL PERCEPTION OF CHILDREN'S POSTURE DURING PUBERTY

Introduction The postural observation during puberty, is extremely important for the early detection of the morphological changes, which are related to the pupil's mental and physical development. The early diagnose, has a crucial rule in adolescence, which is a period in which the individual experiences a lot of bodily changes and transformations. This study case, aims to examine by comparison, between the parent's statements about their child's postural condition and the objective assessment, resulting from the morphological-functional examination.

Methods The participants who engaged into this research, were 182 students, with average age of 11 years, attending the first year of the secondary school of Urbino - Italy. In order to observe the symmetry of the posture, seven digital pictures were taken for each student, showing frontal and saggital posture, which were subsequently revised using special applications. The case study was then conducted, filling out two separate forms. The first one drawn up by the technical team, aimed to observe the posture, and the second one drawn up by the student's family, showing each student's personal case history. The first sheet contained the digital pictures and personal data of each pupil, relating to his/her anthropometric measurements, BMI (body mass index) and flexibility. The second one, was about the student's personal history and his potential regressed physical problems. On the same form, the pupils were also asked to indicate how much time they spent studying, watching TV, practicing sports and leisure time and ultimately on which shoulder they were carrying their schoolbag.

Results The final results highlighted that, in view of a percentage of 8,24 %, which was the one affirmed by the parents about the presence of paramorphisms in their kids, from the objective analysis it emerged instead an assessable data, referable to 57,1 %. References Bunnell, WP. (1984). An objective criterion for scoliosis screening, *J Bone Joint Surg Am*, 66, 1381-7. Pollock, C. (2011). IT Kids part II: Variation of postures and muscles activity in children using different information and communication technologies, *National Library of Medicine*, 38, 4,413-27. Santos, MM., Silva, MPC., Sanada, LS., Alves CRJ. (2009). Photogrammetric postural analysis on healthy seven to ten-year-olds children: integrate reliability, *Rev Bras Fisioter*, 13, 4, 350-5.

Coêlho de Araújo Paulo

Jaqueira, A. R. F.; Gonçalves, J. C. F. P.; Lavega, P.; Gemma, F.; Rodrigues, M.D.M.

THE EXPRESSION OF EMOTIONS IN REAL GAMES THE PSYCHOMOTOR DOMAIN IN PERSPECTIVES ON GENDER

This trial takes an experimental study in the draft international investigation, „Games and Emotions,“ created by Lavega et al (2008), the Center for the Study praxiology of the University of Lleida, entitled „Emotional expression in real Games of the psychomotor domain: perspectives on gender, aiming at deepening the knowledge about the relationship between the game engine and emotions from the application of the fundamentals of motor praxeology (Motor Action Science), seeking to identify and interpret trends of emotional expression that were revealed in individuals who participated in games of the Reais Psychomotor Domain, taking into account the gender of participants. The study sample was composed of the set of all pupils entering the 1st year of the School of Sport Sciences and Physical Education, University of Coimbra in the academic year 2008/09, a total of 98 students of both sexes. The method was applied to the hypothetical-deductive reasoning, and an experimental methodology, and instruments of collection of data originating in the main project after translation of the arrays at the Catalan language, including: a) a questionnaire about their experiences prevalent in sports respondents in the study, b) log scale of emotional expressions felt during the Games real psychomotor domain, applied in two sessions and in different days after the collection of information, proceed to descriptive analysis and discussion of results from statistical techniques appropriate used to compare the study variables (SPSS, version 15.0). Compared with the results, we see how the gender perspective, there are no differences in the expression of emotions in games psychomotor domain, and the positive emotion that stands out in all the emotions in the face of the types of games without competition.

Keywords: Gender, traditional games, sporting games, emotions, motor praxeology



Cynarski Wojciech

Obodyński Marcin, Obodyński Kazimierz, Barabasz Zbigniew

**STUDENTS PHYSICAL CULTURE IN THE ERA OF SYSTEMIC TRANSFORMATION AFTER
1989 IN HIGHER MEDICAL SCHOOLS AND UNIVERSITIES IN POLAND**

Cynarski Wojciech

Obodyński Kazimierz

**EVOLUTION OR REGRESSION OF A STUDENT OF PHYSICAL CULTURE IN THE ERA OF
AUTONOMY OF HIGHER EDUCATION IN POLAND**

Ehsani Mohammad
Sara Keshkar

RECREATIONAL SPORT IN IRAN: AN INVESTIGATION OF STUDENTS' PARTICIPATION AND CONSTRAINTS

This paper seeks to add to our knowledge of participation in recreational sports by a population about which relatively little is known, that of students in Iran. In this study, the model of constraints (intra-personal, interpersonal, and structural), as proposed by Crawford, Jackson and Godbey (1991), was tested and its relationship with actual participation levels in specific recreational sports activities in Iran was examined. The results showed that Intrapersonal constraints together with time-related constraints were the most powerful predictors of sport participation/non-participation. Time, lack of interest, lack of facilities, lack of skill/ability and health/fitness related constraints were shown to be significantly related to the frequency of sport participation. Both the combined male and female sample, and the separate male, and female samples were found to be influenced most by structural constraints. The implications of these findings are discussed in terms of the planning, provision and management of sport-related services in the area of the study.

Keywords: gender, intrapersonal, interpersonal, structural, constraints, recreational sport