

International Congress on Enhancement of Physical Activity and Motor Skills "ICEPA 2012"

1.-3.11.2012 JYVÄSKYLÄ, University of Jyväskylä, Faculty of Sport and Health Sciences
Location: University of Jyväskylä, Building L, Keskussairaalantie 4

Thursday 1.11.2012

- 09.00 Registration
- 10.00-10.15 Opening of the Congress:

Jarmo Liukkonen, Professor of sport pedagogy, University of Jyväskylä
Matti Manninen, Rector, University of Jyväskylä
Markku Andersson, Mayor, City of Jyväskylä
- 10.15-10.45 Opening address: Urho Kujala, Department of Health Sciences, University of Jyväskylä.
"Associations between motor skills, physical activity and health."
- 10.45-12.00 Lisa Barnett, Deakin University, Melbourne, Australia. *"Catch, kick and jump: what is the relationship between movement skill and physical activity in children and adolescents?"*
- 12.00-12.15 Discussion
- 12.15-13.15 Lunch break
- 13.15-14.15 Patricia Longmuir & Mark Tremblay, CHEO Research Institute, Ottawa, Canada:
"Introducing the Canadian assessment of physical literacy: background, methods, results and future studies." DVD based presentation by Mark Tremblay run by Patricia Longmuir
- 14.15-15.15 Beatrix Vereijken, Norwegian University of Science and Technology, Trondheim, Norway:
"The importance of activity and exploration in early development for motor skills and development in other domains."
- 15.15-15.45 Coffee break

Parallel Session 1: Motor Skills in Children and Adolescents

- 15.45 - 16.00 Susan Crawford, University College Cork, Ireland: *"Examining the effects of a school based programme on the fundamental movement skills of primary school children"*
- 16.00 - 16.15 Eva D'Hondt, Ilse Gentier, Eveline Van Cauwenberghe, Greet Cardon, Benedicte Deforche & Matthieu Lenoir, Ghent University, Department of Movement and Sports Sciences & Vrije Universiteit Brussel, Faculty of Physical Education and Physiotherapy, Belgium: *"Gross motor coordination among children with different weight status: A widening gap across developmental time"*
- 16.15 - 16.30 Sami Kalaja, University of Jyväskylä, Finland: *"Fundamental movement skills, physical activity, and motivation toward Finnish school physical education"*

- 16.30 - 16.45 Arto Laukkanen, Marko Havu, Arto Pesola, Arja Sääkslahti & Taija Finni, University of Jyväskylä, Finland: *"Relationship of physical activity intensities and fundamental motor skills in 4-8-year old children"*
- 16.45 - 17.00 Arash Miri Far, Peyman Hashemian & Maryam Keihani, Azad University Of Mashhad & Mashhad University of Medical Sciences, Mashhad, Iran: *"The impact of perceptual-motor exercises on motor skills of the children with developmental coordination disorders"*
- Parallel Session 2: Physical Activity and Health**
- 15.45 - 16.00 Horia-Daniel Iancu, Mathieu Belanger, Charles Babineau, Roger Leblanc, Said Mekary & Pier-Alexandre Poulin-Nadeau, École de kinésiologie et de récréologie, Université de Moncton, New Brunswick, Centre de formation médicale du Nouveau-Brunswick, Moncton, New Brunswick, Faculté des sciences de l'éducation, Université de Moncton, New Brunswick, Canada: *"Effects of daily physical education on primary school students"*
- 16.00 - 16.15 Marck de Greeff, Esther Hartman & Chris Visscher, Center for Human Movement Sciences, University Medical Center Groningen, University of Groningen, Netherlands: *"Association between aerobic capacity and academic performance for children with and without a social disadvantage"*
- 16.15 - 16.30 Richard Larouche, Charles Boyer, Patricia Longmuir, Allison McFarlane, Katie McClelland, Joel Barnes, Allana Leblanc, Michael Borghese, Travis Saunders & Mark Tremblay, Children's Hospital of Eastern Ontario and School of Human Kinetics, University of Ottawa, Canada: *"Relationship between pedometer-determined physical activity, health-related fitness and motor skills: The Canadian Assessment of Physical Literacy"*
- 16.30 - 16.45 Patricia Longmuir, Charles Boyer, Kathryn McClelland, Allison McFarlane & Mark Tremblay, Children's Hospital of Eastern Ontario Research Institute, Canada: *"Physical Activity Attitudes and Motivation: A Fifth Component of Physical Literacy for Children 8 to 12 Years of Age"*
- 16.45 - 17.00 Tuija Tammelin, Harto Hakonen, Kirsti Siekkinen & Janne Kulmala, LIKES-Research Center for Sport and Health Sciences, Finland: *"Sedentary time increases with increasing age in Finnish school-aged children aged 7 to 15 years"*
- 17.00 Summary of the Congress day one
- 19.00-21.00 Reception hosted by the City of Jyväskylä, AALTO-SALI, Väinönkatu 7

Friday 2.11.2012

- 09.00-10.00 Keith Davids, Queensland University of Technology, Brisbane, Australia: *"Ecological dynamics: A framework for analysing skill in sport."*
- 10.00-11.00. Gert-Jan Pepping, University of Groningen, Netherlands: *"Cognitive-affective constraints on perception and action in (team)sport."*
- 11.00-11.30 Ludovic Seifert, University of Rouen, France: *"Meta-stability of movement patterns in rock climbing."*
- 11.30-12.15 Marcus Gruber, University of Konstanz, Konstanz, Germany: *"Fundamental neurophysiology of motor control and learning."*
- 12.15-13.15 Lunch break
- 13.15-14.15 Poster presentations
- 14.15 - 14.45 Uwe Pühse and Lukas Zahner, University of Basel, Switzerland: *"Challenges in promoting children's physical activity - presentation of educational DVD program"*

Parallel Session 3: Measurement Issues in Physical Activity and Motor Skills

- 14.45 - 15.00 Anna Jauho, Riitta Pyky, Riikka Ahola, Raija Korpelainen & Timo Jämsä, University of Oulu & Oulu Deaconess Institute, Finland *"Promoting physical activity and fitness using activity monitors – a pilot study in young men"*
- 15.00 - 15.15 Ilse Gentier, Eva D'Hondt, Ilse De Bourdeaudhuij, Benedicte Deforche & Matthieu Lenoir, Department of Movement and Sports Sciences, Ghent University & Department of Human Biometry and Biomechanics, Vrije Universiteit Brussel, Belgium: *"Gross motor coordination, physical activity and weight status: a longitudinal analysis"*
- 15.15 - 15.30 Gerda Jimmy, Alain Dössegger, Roland Seiler & Urs Mäder, Swiss Federal Institute of Sport Magglingen and Institute of Sport Science, University of Bern, Switzerland: *"Development and validation of energy expenditure prediction models based on GT3X accelerometer data in 5- to 9-year-old children"*
- 15.30 - 15.45 Luis M. Ruiz, Jose L. Graupera & Irene Ramon, Polytechnic University of Madrid, University of Alcalá & University of Castilla La Mancha, Spain: *"Analysis of the psychometric quality of the test sportcom of motor coordination among adolescents"*
- 15.45 - 16.00 Arto Gråstén, University of Jyväskylä, Finland: *"Comparison of methods to measure physical activity in Finnish adolescents."*
- 16.00 - 16.15 Anna Jauho, Raija Korpelainen, Elisa Laurila, Paula Virtanen & Olli Silven, Oulu Deaconess Institute, University of Oulu & Polar Electro, Finland: *"Methods for measuring physical activity in challenging populations"*

Parallel Session 4: Physical activity and Health

- 14.45 - 15.15 Michael Loovis, Cleveland State University, USA & Stephen Butterfield, University of Maine, USA: *"Development of Striking by Children in Kindergarten to Grade 8: A MultiCohort Longitudinal Study"*

- 15.15 - 15.30 Jorma Tynjälä, Raili Välimaa, Jari Villberg, Kristiina Ojala & Lasse Kannas, University of Jyväskylä, Finland: *"Physical activity, perceived physical competence and physical fitness and their association with academic achievement among 13- and 15-year old pupils in Finland"*
- 15.30 - 15.45 Anneke van der Niet, Esther Hartman, Joanne Smith & Chris Visscher, University Medical Center Groningen & University of Groningen, Netherlands: *"The impact of organized sport participation on the physical activity and physical fitness of primary school children"*
- 15.45 - 16.00 Jan Seghers, Cindy Rutten & Filip Boen, KU Leuven, Belgium: *"Sports membership trajectories and changes in physical activity, perceived competence and autonomous motivation in Flemish youth"*
- 16.00 - 16.15 Pertti Huotari, University of Jyväskylä, Finland. *"Physical fitness and activity as predictors of self-estimated fitness – 25-year follow-up study."*
- 16.15-16.45 Coffee break
- 16.45-17.30 Stephen Butterfield, University of Maine, USA and Michael Loovis, Cleveland State University, USA: *"Convergent Methodologies in Longitudinal Research on Motor Skills and Physical Activity"*
- 17.30 Summary of the Congress day two
- 19.00 Banquet

Saturday 3.11.2012

- 09.00-10.15 Charles Hillman, University of Illinois, Urbana-Champaign, USA: *"The relation of fitness to brain health, cognition, and academic achievement in preadolescent children."*
- 10.15-11.15 Caterina Pesce, Italian University of Sport and Movement, Rome, Italy: *"Quality physical activity for children: a challenging intersection of cognitive and motor development promotion."*
- 11.15-11.30 Discussion
- 11.30-12.30 Lunch break
- 12.30-13.15 Risto Ilmoniemi, Aalto University, Finland: *"TMS and MEG in the study of motor function."*
- 13.15-14.00 Geoffrey Luck, University of Jyväskylä: *"The role of the body in music performance, perception, neuroscience, and therapy."*
- 14.00-14.30 Heidi Syväoja, researcher, LIKES Research Center for Sport and Health Sciences: *"Physical activity, cognitive function and academic performance among Finnish children"*
- 14.30-15.00 Helena Viholainen, University of Jyväskylä: *"Does self-concept mediate associations between motor competence and psychosocial well-being in adolescence."*
- 15.00-15.30 Matti Pietilä, The Finnish National Board of Education: *"The Finnish schools on the move"*
- 15.30 Closing of the Congress:
- Lasse Kannas, Dean, Faculty of Sport and Health Sciences, University of Jyväskylä
- Jarmo Liukkonen, Professor of sport pedagogy, University of Jyväskylä