



# iea 2012

## Recife, Brazil

18<sup>th</sup> World Congress on Ergonomics | February 12-16 2012 | Recife, Brazil

### **Workshops**

Updated on December, 27<sup>th</sup>. 2011

**Date: 13/02**

**Room: 06**

**Time: 08:30am – 12:45pm**

#### **W 01 Digital Human Modelling Standardization**

Gunther Paul, University of South Australia and Sascha Wischniewski, Dassault Systems  
Australia and Canada

**Date: 13/02**

**Room: 07**

**Time: 08:30am – 12:45pm**

#### **W 02 Innovations in patient handling for the ambulance industry**

Chris Fitzgerald  
Risk & Injury Management Services Pty Ltd  
Australia

**Date: 13/02**

**Room: 08**

**Time: 08:30am – 12:45pm**

#### **W 03 Understanding complexity and nonlinear dynamics of human-system interactions: theory and applications**

Waldemar Karwowski  
University of Central Florida  
United States

**Date: 13/02**

**Room: 09**

**Time: 08:30am – 12:45pm**

#### **W 04 Colour, Design and Ergonomics**

Fernando Moreira da Silva, Cristina Pinheiro and Ana Moreira da Silva  
Technical University of Lisbon, Portugal

**Date: 14/02**

**Room: 06**

**Time: 08:30am – 12:45pm**

#### **W 05 Design for healthcare**

Richard Goossens and Marijke Melles  
Delft University of Technology  
The Netherland

**Date: 14/02**

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**W 06 Ergonomics of ambulance design**

Chris Fitzgerald  
Risk & Injury Management Services Pty Ltd  
Australia

**Date: 14/02**

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**W 07 Participatory ergonomics for small enterprises**

Kazutaka Kogi  
President of International Commission on Occupational Health (ICOH) and  
Institute for Science of Labour  
Japan

**Date: 14/02**

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**W 08 Human Modeling and Simulation with High Biofidelity**

Zhiqing Cheng, Julia Parakkat and Kathleen Robinette  
Infoscitex Corp.  
United States

**Date: 14/02**

**Room: 10**

**Time: 08:30am – 12:45pm**

**W 09 Accessibility: From Wallflower to Major Challenge for Ergonomics and Standardization**

Georg Krämer and Kurakata Kenji  
National Institute of Advanced Industrial Science and Technology and Institute for Human  
Science & Biomedical Engineering  
Germany and Japan

**Date: 15/02**

**Room: 06**

**Time: 08:30am – 10:30pm**

**W 10 The OCRA method (Checklist OCRA) and its evolution for the analysis of multiple repetitive tasks**

Daniela Colombini<sup>a</sup>, Enrico Occhipinti<sup>b</sup>, Marco Placci<sup>b</sup>, Marco Cerbai<sup>b</sup> and Enrique Alvarez<sup>c</sup>  
<sup>a</sup> Research Unit EPM - Foundation Don Gnocchi – Italy  
<sup>b</sup> Research Unit EPM - Foundation Policlinico Ca' Granda – Italy  
<sup>c</sup> Universitat Politècnica de Catalunya - Spain.

**Date: 15/02**

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**Time: 10:45am – 12:45pm**

**W 11 Niosh Revised Lifting Equation (RNLE) and its evolution for the analysis of Variable Lifting Tasks**

Enrico Occhipinti<sup>a</sup>, Daniela Colombini<sup>b</sup>, Enrique Alvarez<sup>c</sup>, Marco Placci<sup>a</sup> and Marco Cerbai<sup>a</sup>  
<sup>a</sup> Research Unit EPM - Foundation Policlinico Ca' Granda – Italy  
<sup>b</sup> Research Unit EPM - Foundation Don Gnocchi – Italy  
<sup>c</sup> Universitat Politècnica de Catalunya - Spain.

**Date: 15/02**  
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**W 12 Use of new lumbar movement sensor to evaluate and redesign tasks and equipment**  
**Chris Fitzgerald**  
Risk & Injury Management Services Pty Ltd  
Australia

**Date: 15/02**  
**Room: 09**  
**Time: 08:30am – 12:45pm**

**W 13 Human-Centered Systems Engineering - Human Factors Engineering from Lust to Dust**  
George Samaras  
Samaras and Associates, Inc.  
United States

**Date: 15/02**  
**Room: 10**  
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**W 14 Ergonomic Strategies for Managing the Exposures Associated with the Rising Rate of Obesity in the Workforce**  
Vicki Missar  
Aon Risk Solutions  
United States