

## **S11 Ergonomics and design for sustainability**

Chair: Klaus J. Zink, Co-chair: Giuseppe Di Bucchianico

### **Strategies and arguments of ergonomic design for sustainability**

Antonio Marano, Giuseppe Di Bucchianico and Emilio Rossi, University of Chieti-Pescara, Italy

### **Toward a transdisciplinary approach of ergonomic design for sustainability**

Giuseppe Di Bucchianico, Antonio Marano and Emilio Rossi, University of Chieti-Pescara, Italy

### **Ergonomics and sustainability in the design of everyday use products**

Francesca Tosi, University of Florence, Italy

### **Sustainability and accessibility: the design for all approach**

Isabella Steffan, Studio Steffan - Design & Research, Italy

### **Ergonomics and design for sustainability in healthcare: ambient assisted living and the social-environmental impact of patients lifestyle**

Giuseppe Andreoni, Pelin Arslan, Fiammetta Costa, Sabrina Muschiato and Maximiliano Romero, Politecnico di Milano, Italy

**Room: 17**

### **S14 Contribution for IEA/WHO toolkit for WMSDs prevention 2: Experiences in using simple tools for biomechanical risk assessment in craftwork, small industries and difficult sectors with high task variability**

Chair: Daniela Colombini, Co-chair: Ruddy Facci

#### **A simple tool for preliminary hazard identification and quick assessment in craftwork and small/medium enterprises (SME)**

Daniela Colombini, Enrico Occhipinti, G. Di Leone G., Don C. Gnocchi Foundation, Policlinico Ca' Granda Foundation, National Health Unit, Italy

#### **Hazard identification and pre-map with a simple specific tool: synthesis of application experience in handicrafts in various productive sectors**

Daniela Colombini, Enrico Occhipinti, Raffaele Peluso, Loretta Montomoli and Marco Placci, Don C. Gnocchi Foundation, Policlinico Ca' Granda Foundation, CESMEL, University of Siena, Italy

#### **Biomechanical overload in multiple tasks with weekly and annual cycle: practical experiences in the field of cleaning and packaging of fruit**

Daniela Colombini and Enrico Occhipinti, Don C. Gnocchi Foundation, Policlinico Ca' Granda Foundation, Italy

#### **Study of biomechanical overload in urban gardeners of Barcelona: application of analytical models for risk exposure evaluation in annual working cycle**

Enrique Alvarez-Casado, Aquiles Hernandez-Soto, Sandoval Tello and Rosa Gual, Polytechnical University of Catalunya, Center for Applied Ergonomics, Spain

#### **Application of the OCRA Method in the sugar cane harvest and its repercussion on the workers' health. Preliminary study**

Facci Ruddy, Marcatto Eduardo and Santino Edoardo, Escola OCRA Brasileira, Brazil

**Parallel Sessions**

**Time: 02:30pm – 04:00pm**