Preliminary programme

Wednesday 29 March 2017

Morning

08:30 - Registration and coffee

09:30 - Opening session (INRS)

10:30 - **Keynote speaker:** Dietmar REINERT, IFA (Germany)
*Occupational safety and health innovations and PERO SH*

11:10 - **Keynote speaker:** Thomas COUTROT, DARES, Ministère du Travail et de l'emploi (France)
*Organisational changes, insecurity and health of employees*

11:50 - **Keynote speaker:** Yves ROQUELAURE, CHU Angers, INSERM U 1085 (France)
*Sustainability of occupational health actions in a changing world*

12h30 - Lunch

Afternoon

Session 1: Communication technology

14:00 - **Keynote speaker:** Patricia VENDRAMIN, Université Catholique de Louvain (Belgium)
*Effects of the digital economy on work conditions*

14:40 - Veerle HERMANS, IDEWE (Belgium)
*Office work innovation: What about well-being?*

15:00 - Sylvain LEDUC, Université Aix-Marseille (France)
*The effects of dematerialisation on work and health*

15:20 - Ophélie MORAND, INRS (France)
*Impact of ICT on a person’s relationship with their job: an analysis based on coping strategies*

15:40 - Jihane AZOUL, Université Mohamed V, Rabat (Morocco)
*The negative effects of email overload on occupational well-being*

16:00 - Coffee break
16:30 - Wafa EL WAFI, Eric BRANGIER, F. ZADDEM, PERSEUS, Université de Lorraine (France)
How and why the boundaries between personal and professional life change

16:50 - Laura DOVERO, Eric BRANGIER, PERSEUS, Université de Lorraine (France)
Measuring leadership in electronic messages: how email content can build or destroy leadership

17:10 - Karolus O. KRAAN, TNO (The Netherlands)
A roboticised labour market: implications for workers and the role of vocational rehabilitation specialists

17:30 - Jutta FRIEDERIZI, M. HARTWIG & A. WINDEL, BAuA (Germany)
Working in the Digital World – Focus: Human Being

17h50 - End of the day

18h00 - Icebreaker party
Thursday 30 March 2017

Morning

08:30  Registration

Session 2: The new computer-assisted production tools

09:00 - **Keynote speaker:** Patrick NEUMANN, Ryerson University (Canada)
  *Managing risk in the innovation process*

09:40 - **Evelyne MORVAN, Bertrand DELECROIX,** INRS (France)
  *Creating a Lean typology for prevention purposes: initial observations*

10:00 - **Willy BUCHMANN,** CNAM CRTD (France)
  *When innovation isn’t enough: an ergonomic reconstitution of changes in a workshop to understand the connections between work and musculoskeletal disorders*

10:20 - **Robin FOOT, Laurène ELWERT,** UMR 8134 CNRS (France)
  *Can technology do it all? Reflections on the design of the tramway driver cab*

10:40 - Coffee break

11:10 - **Hélène THIERRY, Eric PELTIER, Joël MALINE,** ARACT Normandie (France)
  *Simulating working conditions in the digital era*

11:30 - **Kaj HELIN, Jaakko KARJALAINEN,** VTT Technical Research Centre of Finland (Finland)
  *Participatory design of final products or production using multi-site and multi-user virtual environments*

11:50 - **Rémy HUBAULT, Sandrine CAROLY, Fabien COUTAREL, Christophe BLANCHON, Christophe ROYBIN,** PACTE Université Pierre Mendès France (France)
  *Digital tools and the prevention of musculoskeletal disorders*

12:10 - **Mohsen ZARE, Bernard MIGNOT, Jean-Claude SAGOT,** ERCOS, UTBM Université de Bourgogne (France)
  *Serious Game applied to prevent musculoskeletal disorders: can new technologies help to improve health at work?*

12:30 - Lunch
Afternoon

Session 2 (cont’d): The new computer-assisted production tools

14:00 - Keynote speaker: Michiel de LOOZE, TNO Leiden and VU University Amsterdam (The Netherlands)
       The potential of exoskeletons to be widely accepted in industry

14:40 - Jean THEUREL, Kévin DESBROSSES, Terence ROUX, Olivier MOREL, INRS (France)
       Exoskeletons: when physiological consequences raise work organisation issues

15:00 - Nicolas FROMENT, OPPBTP (France)
       The use of exoskeletons on construction sites

15:20 - Jean-Jacques ATAIN-KOUADIO, Liën WIOLAND, Jean THEUREL, Amélie DELACOURT, INRS (France)
       Integrating an exoskeleton: feedback and reference points

15:40 - Coffee break

16:10 - David TIHAY, Nellie PERRIN, INRS (France)
       Human-robot coactivity: an assessment of needs

16:30 - Sébastien BRUERE, Denys DENIS, Sabrina JOCELYN, Damien BURLET-VIENNEY, Laurent GIROUD, Edith VINET, IRSST (Canada)
       Joint research by engineers and ergonomists on the safe installation of cobots: a Canadian example at the IRSST

16:50 - Théo MOULIERES-SEBAN, David BITONNEAU, Jean-François THIBAULT, IMS, Université de Bordeaux (France)
       Cobotics: new support tools for production and prevention

17:10 - Aline DRONNE, ARACT Grand-Est (France)
       Developing quality of working life (QWL) for farmers in the Lorraine region: Better understanding technological developments and the quality of working life of farmers and their employees

17:30 - Jose SAENZ, Roland BEHRENS, Norbert ELKMANN, Erik SCHULENBURG, Christoph WALTER, Fraunhofer IFF, Business Unit Robotic Systems (Germany)
       Computer-Aided Safety and Risk Prevention – Taking collaborative robotics from isolated pilots to large scale deployment

17:50 - End of the day

19:00 - Social event (guided tour of Nancy and dinner)
Friday 31 March 2017

Morning
8:30  Registration

Session 3: Computer tools for management of production and information flows

09:00 - Keynote speaker: Garett BURNETT, Research to Practice Office, NIOSH (USA)
Moving innovations along the occupational safety and health value chain

09:40 - Virginie GOVAERE, Liên WIOLAND, INRS (France)

10:00 - Gaétan BOURMAUD, Xavier RETAUX, Laurent ROSSI, Bertrand NOËL, AXErgonomie (France)
When drivers are not sure that their bus will stop... Trust and mistrust in technical devices through the concept of instrument systems

10:20 - Pascal LAMY, INRS (France)
Preventing vehicle-pedestrian collisions: the impact of detection systems on organisation

10:40 - Coffee break

11:10 - Anne-Marie PENZO, SECAFI (France)
Geo-optimisation for industrial maintenance technicians and prevention of associated risks – Feedback from health and safety committee (CHSCT) experts

11:30 - Anna DĄBROWSKA, Central Institute for Labour Protection, National Research Institute (Poland)
The potential of smart PPE in accident prevention and well-being at work based on the examples of selected solutions

11:50 - Nathalie GREENAN, Mohamed BEN HALIMA, Joseph LANFRANCHI, Laeticia OTTE, CNAM-CEET (France)
Company organisational changes and long term sickness absence and injury leave: results from a “difference in difference” approach

12:10 - Keynote speaker: Michel HERY, INRS (France)
Innovation and changes at work: using forward-looking studies to initiate reflection rather than to make predictions

12:50 - Closing session

13:00 - End of the conference
POSTERS

Session 1: Communication technology (29 March, from 16:00 to 16:30)

I. NEITZNER, E. FLASPÖLER, A. HAUKE, R. KLÜSER, P. PASZKIEWICZ, D. REINERT, Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (Germany)
Digital communication and its implications for OSH: Results from the DGUV Risk Observatory

M. LUM, CDC/NIOSH (USA)
Wikipedia the Global Information Data Base: Separating the Signal from the Noise

N. BARVILLE-DEROMAS, M.E. BOBILLIER-CHAUMON, GRePS (EA 4163), Institut de Psychologie – Université Lyon 2 (France)
Is the digital social network a new goldmine of collective efficiency?

K. STURM, AUVA-Hauptstelle (Austria)
AUVA apps for improved health and safety

O. TIRMARCHE, Stimulus (France)
Reducing the mental load caused by the use of ICT

G. BURNETT, Research to Practice Office, NIOSH (USA)
A smarter strategy for planning communication technology initiatives: A case study in mobile app development from non-developers

L. PONGE, SECAFI (France)
‘Quality of work’ and digital transformations: the example of customer service representatives in the banking sector

Session 2: The new computer-assisted production tools (30 March, 10:40 a.m. to 11:10 a.m.)

P. NICKEL, IFA (Germany)
OSH improvements by a prevention through design approach based on simulated future work systems

N. VISPI, V. LENGOWSKI, ARACT Nord-Pas de Calais (France)
New production tools in SMBs: identifying the role and uses of simulation tools in project deployment

L. BUGAND, ANACT (France)
The use of digital simulation tools for a socio-political approach to prevention

C. STOESSEL, G. SALIOU, S. MBAYE, OPUS Citatum (France)
Prevention at the design stage for maintenance operations in dangerous industries

G. DEPREZ, A. BATTISTELLI, J. VELLILA, C. ALLAIN, Laboratoire de Psychologie EA 4139, Université de Bordeaux (France)
Job crafting and psychological health: the mediating role of innovative work behaviour

V. GUILOUX and C. QUERIAUD, Solutions Productives (France)
Augmented reality and real work: how can reality be augmented for and with work?
Session 3: Computer tools for management of production and information flows (30 March, 15:40 to 16:10)

O. ADROT, J.M. FLAUS, Laboratoire G-SCOP, Université Grenoble Alpes (France)
   Advantages and benefits of the Internet of Things for occupational health and safety

D. PODGÓRSKI, Central Institute for Labour Protection, National Research Institute (Poland)
   Applying big data analytics in OSH management – A review of forecasts, opportunities and challenges

M.P. BIJON, MSA Sud Aquitaine (France)
   Digital sound processing for call centre agents

A. SKLAD, D. PODGÓRSKI, Central Institute for Labour Protection - National Research Institute (Poland)
   KPI-OSH Tool – A software tool supporting safety-related decision making based on reliable OSH performance measurement

J. CRUZ, M. HERNÁNDEZ, Industrial Engineering Faculty. University of Las Palmas de Gran Canaria (Spain)
   Geoposition techniques to prevent the exposure of golf course workers to chemical agents