

**IOHA Conference, Rome, Italy, October 1, 2010**  
**Workshop # 12: Exposure Setting Processes—An International Challenge**

Occupational Exposure Limits (OELs) have been established for airborne workplace chemicals by various regulatory and authoritative organizations internationally for well over 60 years now. The world market has changed with the changing regulatory arena (particularly in Europe), shifting centers of manufacturing growth, a move towards a more global perspective on solving health issues, the growth of control banding methodologies and the formulation of control assumptions without the apparent use of quantitative exposure data. The time to examine the OEL processes is now, particularly since only a small percentage of over 100,000 chemicals in worldwide commercial use are presently either regulated by a government statute or have a guideline OEL such as a MAK, TLV® or WEEL®.

The half day afternoon session (with speakers from various parts of the world) explores the historical evolution of OELs, select exposure limit setting and exposure assessment processes today, their role in industrial/ occupational hygiene and risk assessment, and today's global community challenges in holding with historical practices. The programme (October 1, 2010, 2:00-6:00 pm) features the following:

- Session Welcome (2:00-2:10 pm), *L. Hamelin, Canada*
- Historical OEL Processes, Global View (2:10-2:35 pm.), *S. Ripple, United States*
- OEL Setting Processes—North America (US and Canada, Includes Green Chemistry Initiatives, OSHA, NIOSH, AIHA, ACGIH, (2:35-3:05 pm), *S. Ripple*
- Break (10 min)
- OEL Setting Processes—European Continent (includes Directives [SCOEL] and REACH, (3:15-3:40 pm), *M. Guillemin, Lausanne, Switzerland*
- The DNEL Challenge—( 3:40-4:10 pm), *Juergen Pauluhn, Bayer AG, Germany*
- OEL Setting Processes—China and India (4:10-4:35 pm), *Jas Singh, Golder Associates, United States*
- OEL Setting Processes—South America (4:35-5:00 pm), *Jose Pedro Dias Jr, Johnson & Johnson, Sao Paulo, Brazil*
- Summary Overview—Global Commonalities and Differences, (5:00-5:30 pm), *C. Laszcz-Davis, United States*
- Future Opportunities?—Group & Audience Discussion (5:30-6:00 pm)  
Facilitators *C. Laszcz-Davis/L. Hamelin/S. Ripple*

The quick paced programme will highlight several factors: a.) potential paths to develop and promote reference values to protect workers' health from chronic risks which have a sound and reliable scientific basis; b.) the precarious nature of OELs today, b.) balanced views for a globalized effort to move to a new exposure setting/exposure defining paradigm, c.) potential new paths forward, with changes that might be possible and necessary, and d.) open interactive audience discussion and feedback as to whether the occupational health community can garner the necessary global agency support to use exposure values established on a more global basis.

The presentations and interactive group discussions will lead to a better understanding of global exposure setting processes and, if successful in their appeal, lead to a path forward which allows

member nations to work towards core exposure setting processes that are more strongly aligned scientifically.

**Presenters:**

**José Pedro Dias Jr**, MS, COH, RSO –Regional Environment, Health and Safety Manager with responsibilities over the Industrial Hygiene process at Johnson & Johnson (Latin America); Brazilian Occupational Hygiene Association (ABHO)-VP for International Affairs; Member of IOHA Board; OH Learning Training Coordinator for Brazil; Former Latin America Industrial Hygiene and Ergonomics Manager -3M Company; Former Assistant Professor at Jundiaí Medicine College; José Pedro has 24 years of IH experience in the Chemical and Pharmaceutical Industry. [jdias10@its.jnj.com](mailto:jdias10@its.jnj.com)

**Michel P. Guillemin**, PhD, Honorary Professor at the University of Lausanne, Switzerland and private consultant. Past Director for the Institute for Work and Health in Lausanne. Member of the Board of Directors of the IOHA (liaison officer for the Swiss Society of Occupation Hygiene), member of the ICOH Board (liaison officer for the IOHA), member of the Scientific Council of the French Agency for Environmental and Occupational Health and Safety. Recipient of the Yant Award in 1998. M. Guillemin's main research interests concern the detection, evaluation and control of chemical hazards as well as dust and fibres (asbestos) and the development of biomarkers. Risk analysis and risk management are also in his research field. [michel.guillemin@gmail.com](mailto:michel.guillemin@gmail.com)

**Luc Hamelin**, ROH, CIH, CRSP, CSP, from Montreal, Quebec, Canada, works as Assistant-Director, Prevention & Safety Department at the *Université du Québec à Montréal (UQAM)*. He is a member of the National Accreditation Recognition (NAR) Committee for the International Occupational Hygiene Association (IOHA) and has been elected by the Board to serve as President of IOHA for 2010-2011. Luc is still active on the Canadian Registration Board of Occupational Hygienists (CRBOH) and is also Past-President. He has graduated in Science (*McGill'83*) and Management (*UQAM'90*), and holds two Masters, one in Applied Science (*McGill'91*) and another in Environment (*Sherbrooke'02*). He has worked for 25 years in various business segments such as Hydro-Quebec, Domtar Pulp and Paper, Ivaco Steel, PPG manufacturing, the Quebec Public Health Network and Pratt & Whitney Aircraft Engines. Luc is registered/certified in North America in both occupational hygiene (ROH, CIH) and safety (CRSP, CSP). He is also a Certified Professional Environmental Auditor (CPEA). [hamelin.luc@uqam.ca](mailto:hamelin.luc@uqam.ca).

**Chris Laszcz-Davis**, MS, CIH, REA, Principal, The Environmental Quality Organization, an EH&S management consulting firm. Also affiliated with the Aluminium Consulting Engineers, LLC. Former Corporate Vice-President, Environmental Affairs, Health, Safety, Product Stewardship & Operational Integrity with Kaiser Aluminum & Chemical Corporation (Oakland, California and Houston, Texas) and Regional Environmental & Industrial Hygiene Manager, US Department of Energy (Oakland, California). Former President, Academy of Industrial Hygiene (AIH), Director of both the National American Industrial Hygiene Association (AIHA) and American Board of Industrial Hygiene (ABIH), Trustee of the Industrial Hygiene Foundation (AIHF), and ABIH liaison to the IOHA National Accreditation Recognition (NAR) Committee. Actively involved in National AIHA's Risk Assessment Committee. 1991 National AIHA Kusnetz Awardee and 2006 AIHA

Fellow. Chris has 35 years experience in industry, government, and consulting in the chemical, aluminum, refractory and energy industries. [ChrisLD@EQ-Organization.com](mailto:ChrisLD@EQ-Organization.com).

**Jürgen Pauluhn**, Prof. Dr. Dr., D.A.B.T, Head of the Inhalation Toxicology Unit, Bayer Schering Pharma Company, and Chief Expert of Bayer AG, Germany. Professor of toxicology at the Medical University of Hanover (MHH), with commitments on multiple national, European, and US committees dealing with inhalation toxicology, occupational exposure levels, and emergency response guidance. As a national expert, actively involved in ISO standardization and OECD activities which influence new, harmonized inhalation test methods. Author of more than 100 publications in peer-reviewed scientific journals and an equal number of oral presentations and posters at international scientific conferences. Jürgen has 30 years experience interfacing amongst the chemical manufacturing, pharmaceutical, regulatory and academic communities. [Juergen.pauluhn@bayerhealthcare.com](mailto:Juergen.pauluhn@bayerhealthcare.com).

**Susan Ripple**, MS, CIH, North America Manager of Industrial Hygiene at The Dow Chemical Company, Midland, MI. Susan is a member and a Past Chair of the AIHA Workplace Environmental Exposure Level Committee (WEEL) and member of the California OSHA Committee (HEAC) setting regulatory Permissible Exposure Limits (PELs). She is also the Chair of the AIHA Control Banding Working Group and of the AIHA Emergency Response Planning Guideline (ERPG) Committee. Susan has 25 years of IH experience in the chemical manufacturing industry and has served on committees setting OELs for over 15 years. Susan was selected as an AIHA Fellow in 2008. [SDRipple@dow.com](mailto:SDRipple@dow.com).

**Dr. Jas Singh**, CIH, Senior Consultant with Golder Associates, a Global EHS consulting firm with over 7000 employees in 26 countries. Served on the Board of Directors, American Industrial Hygiene Association (AIHA) and the American Board of Industrial Hygiene (ABIH). Currently Past-President, Academy of Industrial Hygiene (AIH). Jas has provided consulting services to industrial and institutional clients and governmental agencies in the USA as well as in Canada. For the past 10 years, Dr. Singh has focused on the South East Asian countries, providing Industrial Hygiene and safety consulting services to multinational companies in the region. 2005 recipient of the American Industrial Hygiene Association's (AIHA) "Distinguished Service Award", as well as the Academy of Industrial Hygiene's "Henry Smyth Award". [Jsingh@golder.com](mailto:Jsingh@golder.com)