Beste vrienden van de arbeidshygiëne,

Graag nodigen we jullie uit op de **specifieke cursus "Aerosol Sampling Methods Update"**, geïnspireerd op de Professional Development Courses (PDC) zoals voorzien op de AIHA, BOHS en IOHA conferenties.

Deze cursus gaat door op **vrijdag 15 maart 2019** in **Brussel (KU Leuven campus Warmoesberg)** en zal volledig in het Engels worden gegeven door dr. Martin Harper. Dr. Harper is momenteel Director of Scientific Research, Zefon International, Inc., Ocala, Florida en Courtesy Professor, Department of Environmental Health Sciences, University of Florida, Gainesville, Florida, USA.

Een korte bio-sketch van dr. Harper:

Dr. Martin Harper was born in the United Kingdom; he received a degree in Geology from Oxford University; a Post-Graduate Diploma in Environmental Pollution Controls; a Master of Science in Earth Sciences and the Environment; and he obtained his PhD in occupational health research from the London School of Hygiene and Tropical Medicine. Dr. Harper served as Chief of the Exposure Assessment Branch in the Health Effects Laboratory Division of the US National Institute for Occupational Safety and Health (NIOSH), in Morgantown, WV and is now Director of Scientific Research for Zefon International, Inc. and a Courtesy Professor in the Department of Environmental Engineering Sciences at the University of Florida. He is a Chartered Chemist and Fellow of the Royal Society of Chemistry and he is a Certified Industrial Hygienist and Fellow of the American Industrial Hygiene Association. Dr. Harper has published more than 140 peer-reviewed journal papers, book chapters, encyclopedia articles and standards. He has received four awards from the American Industrial Hygiene Association, three from the American Society for Testing and Materials, three from NIOSH, and has been nominated three times for CDC awards. He served as Chair of the ISO Technical Committee 146, sub-Committee 2 (Air Quality: Workplace Atmospheres) for six years. He is a member of the ASTM International Committee D22, sub-committees on workplace atmospheres, indoor air quality, environmental microbiology and asbestos, He served for four years as an Editorial Board member for Journal of Environmental Monitoring, and for six years as Editor of the Analytical Performance Issues column for Journal of Occupational and Environmental Hygiene. He has organized and chaired several international conferences on air sampling and analysis.

He has taught or presented in 25 different countries. His interests are in sampling and analysis of aerosols, including wood dusts, metals, metalworking fluids, mineral fibers (asbestos), silica, bioaerosols and nanoparticles; active and diffusive gas and vapor sampling; indoor air chemistry; quality assurance of measurements; exposure assessment strategies and models; and risk assessment.

Onderstaand het overzicht van de cursus:

Title: Aerosol Sampling Methods Update

Description:

NIOSH has been working on revising existing aerosol sampling and analysis methods and adding new methods to the Manual of Analytical Methods (NMAM). This effort is supported by a comprehensive program of laboratory and field work, which will be described in detail. The update is a work-in-progress, but substantial changes have already been made and more are coming. This Course will present the state of affairs concerning what has been done and what is intended for the near future so industrial hygiene practitioners and laboratory analysts will be able to respond appropriately. The current and future evolution of sampling and analytical methods will be placed in context in the progression of theoretical and technical advances.

Outline/Agenda:

The first section will introduce total and “inhalable” particle counting, with special emphasis on Particles Not Otherwise Classified, metals, and wood dust. The second section will focus on thoracic sampling and its relationship to PM10, and will discuss candidates for thoracic limit values, such as metalworking fluid. The third section will focus on respirable conventions and sampling, with special emphasis on respirable crystalline silica sampling and analytical challenges under the new OSHA Rule. The fourth section will be devoted to the rising interest in semi-volatile aerosols, including acid mists and pesticides. Finally, there will be a discussion of biological aerosol and nanoparticle sampling (including surgical smokes). All of these sections will be supported by an in-depth review of recent laboratory and field evaluations. The history of particle sampling will show how advances in the theory of aerodynamics and penetration to the respiratory tract, and advances in sampling technology, have gone hand-in-hand over the past 100+ years, and have resulted in 20-30 year cycles of change in both limit values and sampling procedures, which is continuing today.

Learning Outcomes:

1. The participant will appraise the concept that changes in exposure assessment methods are a response to improved scientific understanding and technical advances, and will evaluate how changes might result in more accurate and useful assessments of exposure.
2. The participant will compare their current understanding of aerosol sampling and analytical methods with the new and revised methods and will assess the likely impact of these changes on their own program.
3. The participant will discuss with others and critique the rationale for changing exposure assessment methods after years of collecting information using an established method.
4. The participant will integrate the information on new sampling techniques and the issues with respect to analysis to formulate pertinent questions for their laboratory.

Deze cursus zal doorgaan op **vrijdag 15 maart 2019 van 09:00 tot 16:00** in **zaal 06.6306 in Hermes 3 op de op de KUL campus in Brussel - Warmoesberg 43, 1000 Brussel**. (vlot te bereiken vanuit het Centraal Station).

Dagindeling:

9:00	Ontvangst in de Foyer
9:30	Start van de cursus deel 1
10:30	Pauze
11:00	Start van de cursus deel 2
12:30	Lunch
13:30	Start van de cursus deel 3
16:00	Einde

Inschrijven:

U kan enkel **elektronisch inschrijven** voor deze studiedag via onze nieuwe website

- inloggen doe je via de pagina www.bsoh.be/?q=nl/user
- inschrijven doe je via de pagina www.bsoh.be/?q=nl/node/508

Deze cursus is betalend voor BSOH-leden: er wordt voor deze speciaal ingelegde cursus een aparte bijdrage van € 75,00 gevraagd. Wie geen BSOH-lid is en wil deelnemen moet eerst lid worden (eveneens €75,00 via de website) en kan pas daarna inschrijven voor de cursus en opnieuw € 75,00 betalen (totale kost = € 150).

Let op: de plaatsen zijn beperkt tot 100 inschrijvingen.

U wordt verzocht ons te verwittigen indien U na inschrijving toch niet kan komen. Enkel in uitzonderlijke gevallen zal het inschrijvingsgeld worden teruggestort.

Locatie:

KUL campus Brussel
zaal 06.6306 in Hermes 3
Warmoesberg 43
1000 Brussel

https://www.kuleuven.be/campus/campusbrussel

https://www.kuleuven.be/campus/campusbrussel/student/pdf/grondplan

We hopen jullie op 15 maart 2019 talrijk te mogen ontmoeten !

Met vriendelijke groeten,

De organisatoren,

Steven Verpaele, Jeroen Vanoirbeek en Carine Van Den Broeke