Plenary lecture

19th Century innovations for 21st century exposure science: how crayons, paper, and pencils can revolutionize occupational & environmental health

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This lecture will highlight recent research at Colorado State University to advance the science of exposure assessment, with an emphasis on new sensor technologies for measuring aerosols and air pollution. Many of these technologies are designed to overcome classic limitations associated with personal exposure measurement: time, cost, usability, and scalability. These limitations have hindered our ability to survey hazards, to conduct epidemiology, and to design effective interventions to protect human health. The ultimate goal of this work is to simplify the process of exposure assessment and to challenge a longstanding paradigm in our field: that scientific measurements must be made solely by the scientific community.

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Dear colleague,

Welcome to the eighth International Symposium on Air Monitoring and Biomonitoring, AIRMON 2014.
Air quality in the workplace and general environment is an important contributor to human health. Numerous air pollutants and mixtures thereof must be monitored and controlled to prevent potential health effects both in workers and the population at large.

The AIRMON symposium was initiated and first organized by occupational and environmental health researchers in the northern European countries in 1993. For more than twenty years it has been a platform for presenting and discussing recent scientific progress in air sampling, exposure assessment, analysis and identification of exposure biomarkers.

This eighth edition of the AIRMON symposium is organized by a consortium of occupational and environmental health institutes in collaboration with a number of universities from Europe and Northern America, for the first time extending beyond northern Europe.

The AIRMON 2014 program provides a comprehensive scientific overview of the current worldwide state of art in air monitoring and biomonitoring through eleven plenary lectures, fifty eight oral presentations and over one hundred poster presentations.

The scientific training tradition of the symposium will continue with six Short Courses on selected topics. During the symposium relevant scientific equipment will be on display and presented by a number of exhibitors.

All presentations (including posters) will be considered for “full paper, peer reviewed publication” in ENVIRONMENTAL SCIENCE: PROCESSES & IMPACTS, which is published in electronic form by the Royal Society of Chemistry, UK.

Last, but not least, an amazing social program has been planned to explore Marseille and the beautiful Mediterranean coast. We hope that you will be captivated by the history and culture of this region of France in addition to the natural beauty of the area. We also hope that meetings with old and new friends will complement our scientific endeavors.

On behalf of the organizers it is our pleasure to welcome you to AIRMON 2014. We wish you an exciting and memorable conference and stay in Marseille.

Symposium co-chairs
Peter Görner and Yngvar Thomassen

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