

6th INTERNATIONAL WORKSHOP on Per- and Polyfluorinated Alkyl Substances - PFASs

Contact:

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Online-Registration starts February 28, 2014

Registration fee:

	Date	Normal rate	Student rate with valid student cards
Practical training Workshop PFASs*	June 15	For free	
Scientific Workshop PFASs	June 16-17	440 €	230 €
Workshop DWR Chemicals	June 18	120 €	
Joint ticket**		500 €	
Late registration fee from May 1			
Scientific Workshop PFASs	June 16-17	490 €	
Workshop DWR Chemicals	June 18	140 €	

Registration fees include meeting attendance, coffee breaks, lunches (Monday-Wednesday), conference dinner, get together on Sunday and/or Tuesday, printed programme book and electronic version of abstracts.

*Only for registered participants of the Scientific Workshop PFASs June 16-17

**A joint ticket is available for the attendance of Scientific Workshop PFASs June 16-17 and Workshop DWR Chemicals June 18

Please note that the Workshops on June 15 and June 18 are limited. You will receive with your invoice a confirmation if you can participate.

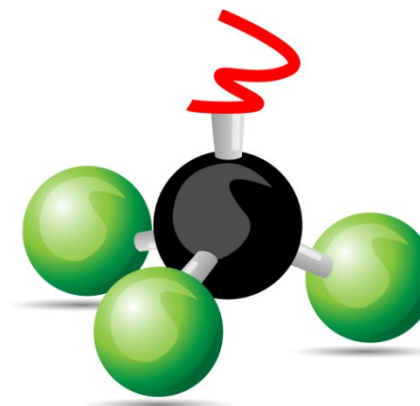
In order to ensure an interactive Workshop DWR Chemicals, the number of participants has to be limited. We reserve the right of preferential registration for user of DWR equipment, chemical manufacturers, and industrial users. Similarly, we hope that you will appreciate that we may be required by the circumstances to limit the number of participants in cases of multiple applications from one company.

The number of participants for the Practical training Workshop PFASs is limited due to the laboratory work places.

Workshop venue

The workshop will be held at the City Hall and at the Campus of University of Applied Sciences Fresenius, Idstein, Germany. It will commence on Sunday, June 15, noon and end at Wednesday, June 18, afternoon. On Monday evening a symposium dinner will be organized.

6th INTERNATIONAL WORKSHOP PER- AND POLYFLUORINATED ALKYL SUBSTANCES - PFASs



Synthesis - Analysis - Fate - Toxicity - Human Exposure - Regulation

Announcement & Call for Papers

<http://www.hs-fresenius.de/en/pfas-2014>
Deadline for Abstract submission: May 1, 2014

June 15 - 18, 2014 Idstein, Germany

Tentative scientific program

Synthesis - Production of PFASs

Different PFASs have unique properties and are used in a wide range of products. Research and development on PFASs focus on the synthesis of new compounds and discovering new applications. Another challenge is to develop new alternatives to replace the persistent and bioaccumulative compounds like perfluorooctanoic acid and their precursors. The session will also discuss new methods and technologies of PFASs production.

Analysis and Modeling of PFASs

Many different PFASs have been found in a variety of environmental compartments. Whereas perfluorinated compounds show limited biodegradability, polyfluorinated compounds have been shown to degrade partially to perfluoroalkyl substances. Modern analytical instrumentation enables analysts to detect PFASs at ultra-trace concentrations in a wide range of media throughout the globe; to identify unknown compounds, e.g. transformation products of photolysis, hydrolysis or biodegradation; and to study the environmental partitioning and transport processes. Development of computational models that are relevant for predicting the physico-chemical, biological and toxicological properties of these compounds can be helpful in understanding their general behaviours.

Epidemiology and Toxicity

With the emergence new PFASs comes the need to determine their toxicological effects on diverse ecological systems including humans. Traditional methods alongside newly developed ones are explored by researchers to describe the metabolic actions of these substances in a biological system.

Exposure to Humans and Human Biomonitoring

Human exposure to PFASs has recently become a topic of wide scientific and regulatory interest. This includes studies on the sources of PFASs in the human diet and in human commodities, the pathways of human exposure and the possible toxicological risks associated with exposure to PFASs.

From Analysis to Regulation

PFASs are of regulatory concern as certain substances in this class are extremely persistent, bioaccumulative as well as potentially toxic. The session will discuss needs, ideas and ongoing work concerning the regulation of PFASs. We encourage regulatory issues from both within and outside the European Union to be presented in this session. Of particular interest is on how to transform findings from target and non-target analysis into relevant legislations.

Organization and information

About the workshop

The main objective of the workshop is to bring together specialists from around the world in order to present and discuss scientific and regulatory developments with regard to PFASs. The organisers would also like to encourage scientists and regulators to come and share their latest findings on PFASs and their substitutes. Idstein workshops have been proven to be an excellent forum for professionals interested in detailed, in-depth discussions on this unique compound class. We trust that the 6th workshop will be equally successful as the previous and have thus invited several world-leading experts to present their latest research.

This year we will enhance the scientific part of the workshop with a practical training in the laboratory as well as a special session upon the latest developments related to the use of PFASs and their substitutes for durable water repellent finishes (DWRs) in textiles. We will have:

- June 15, 2014: Practical training Workshop PFASs: a one day practical workshop about **PFASs Analysis: Instrumentation - Separation - Target Analysis**
- June 16-17, 2014: **Scientific PFASs Workshop**: a two day scientific conference
- June 18, 2014: Workshop **DWR Chemicals in Textiles**: a one day workshop about DWR chemicals, their function and sustainability, created for all stakeholders within this field.

Call for papers and proceedings

Abstracts for oral and poster presentations (one-page) covering the topics addressed in the tentative scientific program should be submitted to the secretariat before May 1 using the formatting guidelines given at <http://www.hs-fresenius.de/en/pfas-2014>. Priority will be given to presentations covering new aspects of the field. A selection of papers will be published in a scientific journal.

Scientific committee

T. P. Knepper (chair), Univ. of Applied Sciences Fresenius, Idstein, Germany
P. de Voogt, Univ. of Amsterdam, and KWR, Nieuwegein, The Netherlands
C. Schulte, German Federal Environment Agency, Dessau-Roßlau, Germany
I. T. Cousins, Dep. Appl. Environ. Science (ITM), Stockholm University, Sweden
R. C. Buck, DuPont Chemicals and Fluoroproducts, Wilmington, Delaware, US
F. T. Lange, Water Technology Center, Karlsruhe, Germany

Sponsors

The workshop on June 18 is co-initiated by Jack Wolfskin GmbH & Co. KGaA.

Travelling to Idstein and Accommodation

Idstein is located in the heart of the Rhine-Main-Area in Germany and can easily be reached by air via Frankfurt/Main (approx. 25 min by taxi) or by train or car (exit Idstein on A3). Workshop participants are kindly asked to make their own hotel bookings. A regional hotel listing is available under <http://www.wiesbaden.de/>.