

Framework

The FFF workshop is set in the framework of the “EU COST Action ES1205” and the “WG4” of the “NORMAN network - engineered nanomaterials”.



<http://www.es1205.eu>



<http://www.norman-network.net>

Contact & travel information

For further information please contact:

Dr. Stephan Wagner & Dr. Frank von der Kammer

(Department of Environmental Geosciences, University of Vienna) or

Dr. Björn Meermann (BfG, Department G2 - Aquatic Chemistry)

e-Mail: nanoanalytics@univie.ac.at

Further information will be available soon on:

<http://umweltgeologie.univie.ac.at/environmental-geosciences-group/workshops/>



Department of Environmental Geosciences
Center of Earth Sciences
University of Vienna
Althanstrasse 14
A-1090 Vienna

by train:

International trains ride to Vienna west-train station

<http://www.oebb.at/en/index.jsp>

by plain:

Vienna international airport - about 20 km from city center of Vienna - connection via airport-busses/trains

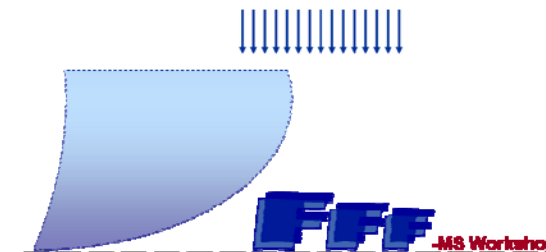
<http://www.viennaairport.com/>



2nd Workshop on Field-Flow Fractionation – Mass Spectrometry (FFF-MS)

Definition of nanomaterials &
Analysis

September 25th & 26th 2014
Vienna, Austria



Definition & regulation of Nanomaterials

Due to the increasing application of engineered nanomaterials (ENMs) in a variety of different products questions about their release into and fate within the environment are of great concern and not unraveled yet.

NanoSafetyVision 2015-2020 defines a series of articulated and interconnected actions for the immediate implementation of a safe, integrated and responsible approach for nanosciences and nanotechnologies.

Hence the **European Parliament** on regulatory aspects of nanomaterials called for the introduction of a comprehensive science-based definition – a **definition** recommendation was introduced in 2011 and will be revised in 2014.

In light of recent events the **2nd Workshop** on Field Flow Fractionation (FFF) and Mass Spectrometric techniques (MS) will focus on the **analysis of ENMs** against the background of **definition and regulation**.

The Workshop is financially supported by the “NORMAN Network - Engineered Nanomaterials” and the “EU COST Action ES1205.

Scope of the Workshop

After a successful 1st FFF-MS workshop in 2013 with almost 30 attendees a 2nd FFF-MS workshop is planned focusing on analytical demands in terms of definition and regulation of ENMs.

As cooperation between the *University of Vienna (Department of Environmental Geosciences)* and the *Federal Institute of Hydrology (BfG, Department G2 - Aquatic Chemistry, Koblenz, Germany)* the 2nd FFF-MS Workshop will take place in **Vienna, Austria**.

Part I (first day – free of charge) will start with two survey lectures given by **Dr. H. Rauscher (JRC, Ispra, Italy)** and **Prof. Dr. D. Günther (ETH - Zurich, Switzerland)**. They will focus on definition and regulation of ENMs and will conclude on analytical demands. Scientific presentations will complete the morning session – **attendees giving a presentation will be completely reimbursed**. During the afternoon session attendees will solve problems regarding data processing and analytical method development.

Part II of the workshop (second day – 280 €) is optional and will contain practical lab work. The University of Vienna (Environmental Geosciences) has several FFF systems (flow and centrifugal) and on-line coupled detectors (e.g., SLS, DLS, ICP-MS) available where users can collect practical experience and further discuss existing problems (restricted to: **10 participants, application required**). Further **information** on registration and the program will be available soon on:

<http://umweltgeologie.univie.ac.at/environmental-geosciences-group/workshops/>

Vienna at a glance

Vienna is the **federal capital** of Austria and with 1.8 mio. inhabitants the largest city in Austria. Vienna is located on the north-eastern foothills of the Alps at the banks of the river Danube.

Due to its political importance (head offices of several international agencies, e.g., OPEC, IAEA, UNO) Vienna is one of the world's cosmopolitan cities.

Vienna has a **long history** firstly mentioned in the year 881 AD. The city center of Vienna is part of the **UNESCO** world cultural heritage with many famous sights, e.g., big wheel, castle “Schönbrunn”, “Stephan's” cathedral.



<http://www.wien.gv.at/tourismus/index.html>