

**Announcement LeachXS Lite training**

**Participants:** open to conference participants

**Requirements Laptop:** minimal 1 Gb RAM, Windows operating system, screen minimal 1024x768, Java JRE 8, Microsoft Dot.net Framework.

**Request to confirm participation:** Via Conference secretariat or directly by Hans van der Sloot (hans@vanderslootconsultancy.nl)

**Time:** Thursday September 29 from 11:30 – 13:30

**Location:** Room – LIVA – part II of WORKSHOP 5:  
Leaching Assessment Framework, Data Management and Modelling (Part II)

**Coordinated by:**

H. van der Sloot (NL)

D.S. Kosson (US)

S. Thorneloe (US)

**Description:** The attendees can bring their own laptops and install LeachXS Lite with a no cost (free) license key provided at the session.

- They will learn to import and manage their own data for comparison with existing data in the public LeachXS database in LeachXS Lite. An overview and examples will be provided on the development of screening assessments.
- In addition, LeachXS-Orchestra will be summarized and demonstrated for developing sources terms based on geochemical speciation-based reactive transport based on a series of field scenarios (LeachXS Pro version – license fee required).
- Tools for statistical data evaluation and quality control options will also be introduced.
- Approximately one-third of the session will be for a discussion amongst attendees regarding their challenges and needs with respect to leaching assessment and potential pathways to address them.

Background:

<http://www.vanderbilt.edu/leaching/downloads/publications/>

LeachXS Lite Download and guide:

<http://www.vanderbilt.edu/leaching/downloads/leachxs-lite/>

# IWWG Training Course

## Remediation of old landfills

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**Time:** Tuesday September 27 from 17:00 – 20:00

**Location:** Room – GARBIS

*The Training Course is organized by*

**Dr. Marco Ritzkowski,**

**Managing Director of the IWWG**

**Hamburg University of Technology, Germany**

**E- mail:** [m.ritzkowski@tu-harburg.de](mailto:m.ritzkowski@tu-harburg.de)

The training course is addressing multiple issues related to landfill remediation and aftercare (technical measures for emission control and reduction, methodologies for biological landfill stabilization, and case studies) with possibilities for discussion of specific aspects.

The content of the course is given below:

➤ **Part 1: Introduction and in-depth presentation of active and passive remediation methods**

- Landfill emissions and further risks related to landfills
- The „open dump“ concept
- Natural attenuation approach
- Containment concept (securing)
  - Case study: Georgswerder landfill (D)
- Sustainable landfill concept (I)
  - Moisturization

**Coffee Break**

➤ **Part 2: In-depth presentation of active remediation methods and related after-use approaches**

- Sustainable landfill concept (II)
  - Aeration; Case study: Kuhstedt landfill (D)
- Landfill mining
  - Case study: Koelliken landfill (CH)
- Landfill after-use - examples

**End of training course**



27th – 30th  
SEPTEMBER 2016  
**CRETE**  
2016

5th International Conference on  
INDUSTRIAL & HAZARDOUS  
WASTE MANAGEMENT

Chania – Crete – Greece  
[www.hwm-conferences.tuc.gr](http://www.hwm-conferences.tuc.gr)

## Training Course

### Special Waste to Energy (SP-WTE)

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**Time:** Tuesday September 27 from 14:00 – 17:00

**Location:** Room – GARBIS

*The Training Course is organized by*

**Prof. Karl E. Lorber,**

**Montan University of Leoben (AT)**

**E- mail:** [karl.lorber@unileoben.ac.at](mailto:karl.lorber@unileoben.ac.at)

**Dr. Renato Sarc,**

**Montan University of Leoben (AT)**

**E-mail:** [Renato.Sarc@unileoben.ac.at](mailto:Renato.Sarc@unileoben.ac.at)

Utilization of Solid Recovered Fuels (SRF) as substitute fuel in the clinker process of cement plants has become state of the art. In this lecture, legal requirements, technical specifications as well as production, quality, quality assurance and utilization of Refuse Derived Fuels (RDF) and Solid Recovered Fuels (SRF) as alternative fuel in co-incineration plants are presented.

*The content of the course is given below:*

#### **1. INTRODUCTION**

1.1. EU-Waste Framework Directive (2008/98/EC) and Thermal Treatment of Waste

#### **2. WASTE PROPERTIES AND SPECIFICATIONS**

2.1 Combustion Parameters

2.2 Waste Fuels RDF and SRF

#### **3. PRODUCTION OF SRF FOR CO-INCINERATION PLANTS**

3.1 Premium Quality SRF

3.2 Medium Quality SRF

3.3 Low Quality SRF

#### **4. QUALITY ASSURANCE AND LEGAL REQUIREMENTS**

4.1 Sampling & Analyses according to CEN TC 343

4.2 Limitation of Pollutants in Input Material

4.3 Limitation of Pollutants in Output (i.e. emission control, product quality)

#### **5. SUBSTITUTE FUEL IN CEMENT INDUSTRY**

5.1 Possible Feeding-ports in the Clinker Process

5.2 100% Substitution of fossil Fuels

5.3 Innovative Pollution abatement Systems

5.4 Practical Experience & Results with “Conflict of Interests”

#### **6. CASE STUDIES**

#### **7. CONCLUSIONS**

*End of the training course*



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