ISWA-SWIS Winter School on Solid Waste Management

Landfill & Landfill Mining
University of Texas at Arlington, USA
18 – 29 January 2016
### Programme

<table>
<thead>
<tr>
<th>Monday</th>
<th>Introduction to Global Waste Management, Waste Characteristics</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>Landfill Basics, Landfill Siting and Landfill Liners</td>
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<tr>
<td>Wednesday</td>
<td>Field – Visiting Landfill</td>
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<tr>
<td>Thursday</td>
<td>Landfill Operation, Leachate Management, Landfill Equipment</td>
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<tr>
<td>Friday</td>
<td>Landfill Gas and LFG to Energy – Field Visit</td>
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<tr>
<td>Saturday</td>
<td>Social excursion</td>
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*Programme is subject to change*
## 2nd week, January 25 - 29

<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Monday</td>
<td>Perpetual Landfill Design and Operation</td>
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<tr>
<td>Tuesday</td>
<td>Sustainable waste management system, and Landfill Mining</td>
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<tr>
<td>Wednesday</td>
<td>Recycling, Utilization of Recycling Materials, and Visit – Recycling Facility</td>
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<tr>
<td>Thursday</td>
<td>Waste Economic, Health and Sanitation</td>
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<td>Friday</td>
<td>Project Discussion and Presentation</td>
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The Solid Waste Institute for Sustainability (SWIS) is housed at the University of Texas at Arlington, Texas, USA. The center is located close to Dallas-Fort Worth (DFW) Airport in Texas with easy and direct access to national and international destinations. Solid waste personnel from different developing countries can access to SWIS because most of the major cities have direct flight to DFW airport.

The city of Arlington is located in the middle of the Dallas-Fort Worth (12 miles east of downtown Fort Worth and 20 miles west of downtown Dallas). Arlington is home to the American League West Texas Rangers baseball team (playing out of Global Life Park), home to the NFC East Dallas Cowboys football team (playing out of AT&T stadium), and Six Flags (the biggest regional theme park in the world - www.sixflags.com).

The major facilities that are part of the SWIS for research and training are: (i) Civil Engineering Building (CELB), (ii) Engineering Research Building (ERB), (iii) University of Texas at Arlington Research Institute (UTARI), (iv) Training and Laboratory Facility (Approximately 10,000 square ft) at City of Denton’s landfill.
The city of Fort Worth’s Annual Stock Show and Rodeo will take place (Jan 16, 2016 to February 06, 2016) during the winter school. The SWIS Winter School organizers are planning to take all the participants to this year’s Rodeo Show. The details can be found @ www.fwssr.com

NBA Basket Ball Team Dallas Mavericks regular season will be going on during the winter school program and the participants will have the opportunity to watch live NBA Games.

**APPLY FOR A SCHOLARSHIP!**

**2016 SWIS-ISWA Competition on Sustainable Waste Management Essay**

The Solid Waste Institute for Sustainability (SWIS) at the University of Texas at Arlington (UTA), Texas, USA is pleased to introduce the “2016 SWIS-ISWA Competition on Sustainable Waste Management Essay”.

**Undergraduate students** from around the world are invited to write an essay on a specific aspect of the Solid Waste Management in their respective countries. 5 (Five) to 10 (Ten) students will be awarded scholarship to attend the ISWA-SWIS Winter School. SWIS has introduced these scholarships to promote the importance of sustainable waste management for developing healthy and sustainable urban cities.

The **scholarship covers** the following for the winners:

- Free Air Ticket from country of residence to DFW Airport, Dallas, Texas
- Free Registration for the SWIS-ISWA Winter School at UTA
- Food, Lodging and Transportation during their stay for the winter school

**Deadline of application**: 30 September 2015 (Texas local time)

Please visit the ISWA website for more information: [www.iswa.org/calendar](http://www.iswa.org/calendar)
Or visit us on facebook: [https://www.facebook.com/groups/SWIS.UTA/](https://www.facebook.com/groups/SWIS.UTA/)
**The objective** of the ISWA-SWIS/City of Denton Winter School is to provide advanced knowledge in the field of waste management to an international audience of existing and emerging solid waste experts.

At the joint ISWA and SWIS (Solid Waste Institute for Sustainability) Winter School at the University of Texas at Arlington, and the City of Denton, Texas, USA, the participants will have the opportunity to gain knowledge on the particular challenges of solid waste management in developing economies.

However, the unique aspect of the Winter School is the blend of in-class and hands on training. The in-class, theory based training and hands-on, operational training are perfectly balanced - with one week dedicated to each.

Participants will learn to understand:
- landfill siting, design and construction,
- operation,
- landfill equipment,
- landfill leachate management,
- landfill gas management and utilization (LFGTE),
- including economic, health and sanitation aspects as well as
- environmental risk assessment related to the landfill.

Specialty area such as perpetual or sustainable landfill, landfill design and operation and the landfill mining including feasibility, preliminary investigation, operation and management of landfill mining, and impact of landfill mining of sustainable waste management system will be extensively covered. Selected project case studies will be presented and discussed to enhance learning experience.

**Date**
18 – 29 January 2016

**Venue**
The University of Texas at Arlington, Texas, USA ([www.uta.edu](http://www.uta.edu))
The City of Denton, Texas ([www.cityofdenton.com](http://www.cityofdenton.com))

**Target Group**
PhD and MA students from all over the world, WM professionals.

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<thead>
<tr>
<th>Registration fees:</th>
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<tbody>
<tr>
<td><strong>Student</strong></td>
<td><strong>Professional</strong></td>
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<tr>
<td>Regular fee</td>
<td>From low-/lower-middle income economies*</td>
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<tr>
<td>USD 500.- / EUR 445.-</td>
<td>USD 300.- / EUR 267.-</td>
<td>ISWA Member fee</td>
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<td>USD 1200.- / EUR 1067.-</td>
<td>USD 900.- / EUR 800.-</td>
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*According to [current world bank list](http://www.worldbank.org).*
General Information
ISWA-SWIS Winter School

**Deadline of registration** is 18\textsuperscript{th} December 2015

Registrations must be submitted in writing either by fax or e-mail using the included registration form.

All registration fees are free of VAT.

**Registration fees include** course participation, course material, coffee/tea breaks and lunch. Visits to technical sites and transportation during these visits are included as well. Participants must provide for accommodation and travel themselves. Health insurance is advisable.

**Recommended date of arrival:** Friday, 15\textsuperscript{th} January 2016 (no later than 17\textsuperscript{th} Jan 2016)  
**Recommended date of departure:** Sunday, 31\textsuperscript{st} January 2016

Upon registrations participants accept all arrangements organised by ISWA and SWIS. The organisers do not assume liability during field demonstrations and technical visits.  
The programme may be subject to change.

**Maximum number of participants:** 45  
**Minimum number of participants:** 20

**Cancellation policy:**
Any cancellation of registration must be submitted in writing to ISWA  
by e-mail: events@iswa.org  
by fax: +43 1 253 6001 99

Registration may be transferred to a nominated representative

Cancellation and refund will be subject to the following conditions:

- Cancellation until 18\textsuperscript{th} December 2015: 50% refund
- Cancellation between 19\textsuperscript{th} December 2015 and 8\textsuperscript{th} January 2016: 10% refund
- Cancellation from 9\textsuperscript{th} January 2016 on or “no show”: no refund
Registration form
ISWA-SWIS Winter School

Please register in writing with: Kim Winternitz
by e-mail: events@iswa.org or
by fax: +43 1 253 6001 99

Mr □ Ms □
given name surname

Invoicing address: ____________________________
affiliation / company / organisation / university

Street no ZIP code city country

Tel./fax e-mail

Registration fee:
Please check the fee that applies to you.

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*According to current world bank list.

ISWA Member Number: ____________________________

Special requirements (e.g.: dietary preferences: vegetarian, etc. / barrier free access):


Please note that you may need an ESTA and/or visa in order to travel to the USA. Please contact the nearest consulate in order to find out.

Date: ____________________________
signature: ____________________________