

ISWA-SWIS Winter School on Solid Waste Management



Landfill & Landfill Mining
University of Texas at Arlington, USA
16 – 27 January 2017

1st week, January 16 - 21

Day	Event
Monday	Introduction to Waste Management, Landfill Basics, Special Case Studies and Waste Characteristics
Tuesday	Landfill Operation, Working Face, Leachate Basics, Leachate Management, Bottom Liner and Drainage
Wednesday	Field Visit: Landfill Operations - Working Face, Landfill Equipment Maintenance, Waste Characterization
Thursday	Leachate Generation Modelling, Landfill Gas Basics, Landfill Gas Generation Model and Landfill Gas to Energy
Friday	Field Visit: Landfill Monitoring - Leachate Recirculation and Gas Collection System, Equipment Demonstration
Saturday	Social excursion



Programme is subject to change

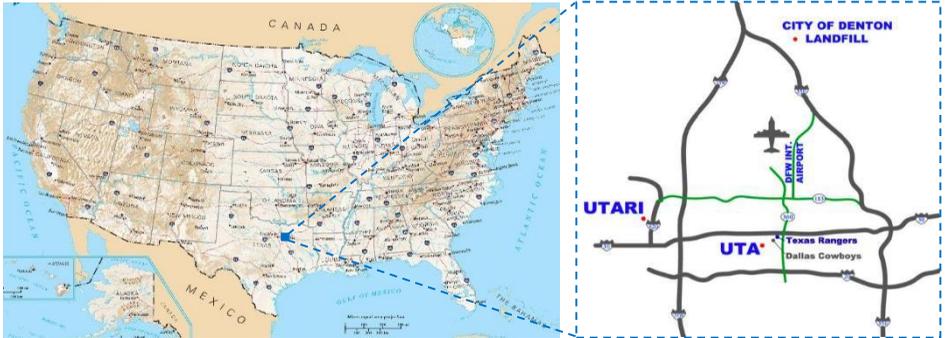
2nd week, January 23 – 27

Day	Event
Monday	Final Cover, ET Cover System Design, Slope Stability, Settlement, Bioreactor and Biocell Operations
Tuesday	Laboratory Tour and Project Discussion
Wednesday	Field Visit: Landfill Recycling Operations, Composting and Resistivity Imaging
Thursday	Landfill Mining - Basics and Future Trends, Mining Operation - Case Study and Business Development
Friday	Waste Management Perspective, Project Discussion and Presentation



SWIS Location and Infrastructure

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).



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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.



SWIS Facilities in City of Denton Landfill

The city of Fort Worth's Annual Stock Show and Rodeo will take place 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.



www.fortworth.com/



<http://attstadium.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!

2017 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 announce the essay competition on "Sustainable Waste Management".

Students and professionals from around the world are invited to write an essay on a specific aspect of solid waste management in their respective countries. The authors of the best essays will be awarded scholarship to attend the ISWA-SWIS Winter School (to be held at UTA from January 16-27, 2017). However, full time students will be given preference for scholarship.

SWIS has introduced these scholarships to promote the importance of sustainable waste management for developing healthy and sustainable urban cities.

The scholarships cover the following

- Free registration for the 2017 ISWA-SWIS Winter School at UTA
- Lodging and transportation during their stay for the winter school
- Free air round-trip ticket from country of residence to DFW Airport, Dallas, Texas will be provided to a limited number of applicants.

Deadline of application: 15 September 2016 (Texas local time)

Please visit the ISWA website for more information: www.iswa.org/calendar or visit us on facebook: <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 areas 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

16 – 27 January 2017

Venue

The University of Texas at Arlington, Texas, USA (www.uta.edu)

The City of Denton, Texas (www.cityofdenton.com)

Recommended Accommodation

Comfort Suites, 411 W Road to Six Flags St, Arlington, TX 76011, USA, Phone: +1 (817) 460-8700, Website: <https://www.choicehotels.com/texas/arlington/comfort-suites-hotels/txb38>

Target Group

Students and waste management professionals from all over the world.

Registration fees			
Student		Professional	
Regular fee	From low-/lower-middle income economies*	Regular fee	ISWA Member fee
USD 500.- / EUR 450.-	USD 300.- / EUR 270.-	USD 1200.- / EUR 1100.-	USD 900.- / EUR 800.-

*According to [current World Bank list](#).

General Information

ISWA-SWIS Winter School

Deadline of registration is 18th December 2016

Registration opens end of July 2016.

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, 14th January 2017 (no later than 15th Jan 2017)

Recommended date of departure: Saturday, 28th January 2017

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 18th December 2016 50% refund
- Cancellation between 19th December 2016 and 8th January 2017 10% refund
- Cancellation from 9th January 2017 on or "no show" no refund