

Goals of dex summer school

Transfer of scientific background, advanced knowledge and actual experience on methodologies and technologies for water quality management as it is required to implement European Water legislation (Water Framework Directive) and is supported by new scientific research results.

Progress in this trans-disciplinary field of expertise relies on a common professional language which will promote international human networking of (young) water professionals and enhance team working.

2011

The DEX summer school in 2009 (Repetition in 2010) was very successful with 27 young water professionals from 12 different countries, it was decided to repeat the course with only small changes of the program in 2011.

The contents of the first course covers: Advanced scientific background, actual knowledge and practical aspects, modern methods and technologies for wastewater treatment, sludge-handling and disposal

Participants

Post graduate and doctoral students (civil/environmental engineering or similar), young water professionals from consulting companies, expert companies from all of Europe.

Special emphasis on young professionals from the new EU and accession countries in Central and Eastern Europe (sponsoring of fee possible). Maximum ~25 participants.

Third dex summer school

2011

Rottenbach / Austria

Advanced course on waste water treatment

Sunday, July 3rd

17:00 Arrival at Geboltskirchen

19:00 – 22:00 Dinner with dex professors

Monday, July 4th

8:30 – 09:00 Introduction
Prof. Dr. Norbert Matsché
(TU Wien, A)

9:00 – 12:00 Activated sludge process
design, nitrification, denitrification,
phosphorus removal
Prof. Dr. Norbert Matsché
(TU Wien, A)

13:30 – 17:30 laboratory work
Prof. Dr. Norbert Matsché
Dr. B. Auer (VTA)

Tuesday, July 5th

8:30 – 12:00 Anaerobic waste water and
process water treatment
Prof. Dr.-Ing. Karl-Heinz
Rosenwinkel (LU Hannover, D)

13:30 – 16:00 Secondary settling tank and
sludge mass balance
Prof. Dr.-Ing. Wolfgang Günthert
(UniBW München, D)

(Mauthausen treatment plant)

Wednesday, July 6th

8:30 – 12:30 Sludge treatment and disposal
Prof. Dr. Helmut Kroiss (TU Wien)

14:00 – 16:30 Waste water treatment in rural
areas and developing countries
Prof. Dr. Raimund Haberl
(Uni BoKu Wien, A)

Barbecue evening

Thursday, July 7th

8:30 – 10:00 Membrane Bioreaktors
Prof. Dr.-Ing. F. B. Frechen
(Uni Kassel, D)

10:30 – 12:15 Resource based sanitation options
Prof. Dr.-Ing. J. Londong
(Bauhaus-Universität Weimar, D)

13:15 – 14:15 Odours in wastewater treatment
Prof. Dr.-Ing. F. B. Frechen
(Uni Kassel, D)

Afternoon excursion: Cultural Linz
Prof. Kainz (TU Graz)
Dipl.-Ing. (FH) Robert Hoßfeld
(DEX, Geschäftsführer)

Friday, July 8th

8:30 – 12:30 Operation of waste water
treatment plants
Prof. Dr. Harald Kainz (TU Graz)

13:30 – 15:00 Closing ceremony
dex professors D / A

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