

I herewith register for the  
dex summer school

from 1<sup>st</sup> July to 6<sup>th</sup> July 2018 in Rottenbach  
This registration is binding.

Title or function

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First and family name, company, address

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Country/ postcode/ City

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E-mail/ mobile phone

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The total amount of EUR 390.- (no VAT) will be transferred to the bank account  
BIC COBADEFFXXX  
IBAN DE91700400410333438000

Please indicate your name and the reference  
„dex summer school” on your transfer order.

Place/ date/ signature

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Please send your registration form either  
by fax to **+49-8092-854579** or by  
e-mail to **info@expertenrat.org**

**Registrations will be accepted until 25<sup>th</sup> May 2018**

### Registration

Please register until 25<sup>th</sup> May 2018  
(by fax or e-mail), using the attached form.

### Costs

Fee and accommodation € 390.- The fee includes full board, the bus transfer to the accommodation and excursions.

Accommodation in double bedrooms  
from 1<sup>st</sup> July to 6<sup>th</sup> July 2018.  
Single bed rooms are available at additional costs.

Confirmation of registration will be sent after payment of € 390.- has been received.

### Bank account

Commerzbank (Germany):  
dex  
BIC COBADEFFXXX  
IBAN DE91 7004 0041 0333 4380 00

### Venue

VTA Austria GmbH  
Umweltpark 1  
A-4681 Rottenbach / OÖ  
Austria



## 9<sup>th</sup> dex summer school

[www.expertenrat.org](http://www.expertenrat.org)

1<sup>st</sup> July to 6<sup>th</sup> July, 2018

## Water Quality Management

Prof. Dr.-Ing. N. Dichtl  
Prof. Dr.-Ing. habil. H. Eckstädt  
Prof. Dr. Th. Ertl  
Prof. Dr.-Ing. F.-B. Frechen  
Prof. Dr.-Ing. F.W. Günthert  
Prof. Dr.-Ing. N. Jardin  
Prof. Dr. techn. H. Kainz  
Prof. Dr.-Ing. J. Krampe  
Prof. Dr. techn. H. Kroiss  
Prof. Dr. techn. N. Matsché

Venue:  
VTA Austria GmbH  
Umweltpark 1  
4681 Rottenbach, Austria

Organiser:  
Deutscher Expertenrat (dex)  
[www.expertenrat.org](http://www.expertenrat.org)  
German Experts  
Association for  
Environmental Technology  
and Infrastructure



## 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), supported by new scientific research results. Progress in this transdisciplinary field of expertise relies on a common professional language which will promote international networking of (young) water professionals and enhance teamwork.

## 2018

dex summer school started in 2009 and was successfully continued since then with more than 170 young water professionals from 12 countries. The 2018 program follows the strategy of maintaining basic lectures enriched with new topics of interest. All teachers are internationally well recognised academics with long term scientific and practical experience in the field of their lectures and beyond: A unique opportunity.

The content of the course includes: advanced scientific background, state-of-the-art technology, experiences and practical aspects for the design and operation of sewer systems, wastewater treatment plants, sludge treatment and energy management.

## Participants

Post-graduate and doctoral students (civil/environmental engineering or related), young water professionals from consulting companies, utilities and equipment suppliers from all over Europe. Special emphasis on young professionals from the new EU member states and accession countries in Eastern Europe.

# 9<sup>th</sup> dex summer school 2018, Rottenbach / Austria

## Advanced course on water quality management

### Sunday, 01 July 2018

**17:00** Arrival at accommodation in Geboltskirchen

**19:00 – 22:00** Dinner with dex professors

### Monday, 02 July 2018

**8:30 – 09:00** Introduction

*Prof. Dr.-Ing. F.W. Günthert, Uni Bw München (DE)*

**9:00 – 12:00** Planning and Construction of waste water treatment systems

*Prof. Dr.-Ing. N. Jardin, Ruhrverband (DE)*

**13:00 – 13.30** Introduction

*Dr.hc. U. Kubinger, VTA (AT)*

**13:30 – 17:30** Laboratory work – sludge parameters and microscopical analyses

*Prof. Dr. techn. N. Matsché, TU Wien (AT)*

*Dr. A. Fleischhacker and C. Grechhamer, BSc, VTA (AT)*

### *Barbecue evening*

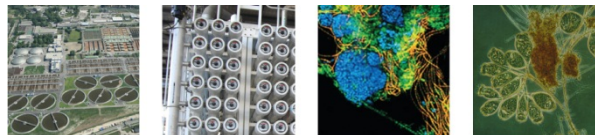
### Tuesday, 03 July 2018

**8:30 – 12:00** Activated sludge process, design, nitri-, deni, phosphorus removal

*Prof. Dr. techn. N. Matsché, TU Wien (AT)*

**13:00 – 17:30** Sewerage Master Plan

*Prof. Dr. Th. Ertl, BoKu Wien (AT)*



### Wednesday, 04 July 2018

**8:30 – 10:30** Industrial wastewater

*Prof. Dr. techn. H. Kroiss, TU Wien (AT)*

**10:30 – 12:00** Anaerobic waste- and process water treatment

*Prof. Dr. techn. H. Kroiss, TU Wien (AT)*

**13.00 – 16.00** Operation of WWTPs

*Prof. Dr. techn. H. Kainz, TU Graz (AT)*

### *Professional excursion to WWTPs*

### Thursday, 05 July 2018

**8:30 – 11:00** Waste water treatment and reuse in rural areas

*Prof. Dr.-Ing. habil. H. Eckstädt, Uni Rostock (DE)*

**11:00 – 13.00** Membrane technology

*Prof. Dr.-Ing. F.-B. Frechen, Uni-Kassel (DE)*

**14:00 – 16:00** Sludge treatment and disposal

*Prof. Dr.-Ing. N. Dichtl, TU Braunschweig (DE)*

### *Afternoon excursion: Cultural Linz*

### Friday, 06 July 2018

**8:30 – 11:00** Secondary settling tank and sludge mass balance

*Prof. Dr. Ing. F. W. Günthert, Uni-Bw München (DE)*

**11:00 – 13:00** Energy consumption and energy production on WWTPs

*Prof. Dr.-Ing. J. Krampe, TU Wien (AT)*

**13:00 – 13:30** Closing ceremony