

REGISTRATION

	Non IWA member	IWA member	YWP	Accompanying Person ¹⁾
High Income country	690 €	590 €	380 €	120 €
Low Income country	550 €	450 €	250 €	120 €

All registration fees (with the exception of the fee of accompanying person) will cover all scientific, technical and social programmes, the excursions, conference proceedings, morning and afternoon coffee breaks, lunch and gala dinner.

¹⁾ The registration includes only attendance at the gala dinner.

Please use the conference web site for registration:
www.iwa100as.org/registration.php

VENUE

The IWA conference is located at:

UNESCO world heritage "Zeche Zollverein"
 Shaft XII (Schacht XII)
 Hall 12 (Halle 12)
 Gelsenkirchener Strasse 181
 45309 Essen

Details can be found on the 3D-Map of the World Heritage Zollverein:
www.zollverein.de/service/english-page

HOTEL ACCOMMODATION

Please see the list of recommended hotels with prebooked rooms at special conditions at our web site:
www.iwa100as.org/hotels.php

TRANSPORT INFORMATION

[From Duesseldorf Aiport to Essen](#)

Nearest airport is Duesseldorf Airport (www.dus.com) with direct train connections to Essen. The airport is located only 30 minutes by car from Essen main station.

For train connections see journey planer: www.vrr.de

From Essen main station (Hauptbahnhof) to Zeche Zollverein:

The tram 107 runs every 10 minutes and takes 20 minutes from Essen main station (Hauptbahnhof) to Zollverein.

The journey planer can be found at: www.vrr.de

For further information see: www.iwa100as.org/how_to_get_there.php

ANY QUESTIONS?

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Final Announcement

**ACTIVATED SLUDGE...
 100 YEARS AND COUNTING!**

June 12th - 14th 2014
 Essen, Germany



Organised by:



Sponsored by:



INVITATION

On behalf of the International Water Association (IWA) and organising committees, it is our pleasure to invite you to join us for the IWA Specialised Conference:

Activated Sludge... 100 Years and Counting! June 12th – 14th 2014 ESSEN • GERMANY

This conference will bring together the experience and expertise of 100 years of scientific research and practical operation of activated sludge plants that form the basis of the modern understanding of the process. The conference will be a forward-looking event that showcases the latest developments and applications of the technology.

The programme of oral presentations was developed in close co-operation of the IWA Specialist Groups on "Design, Operation and Costs of Large Wastewater Treatment Plants", "Nutrient Removal and Recovery" and "Microbial Ecology and Water Engineering" with support from the Specialist Groups on "Sludge Management" and "Membrane Technology".

The conference venue will be the UNESCO World Heritage site "Zeche Zollverein" in Essen. Essen was also the location of the first activated sludge plant on the European continent.

Conference Co-chairs



David Jenkins



Jiří Wanner

Thursday, June 12th

08:30	10:00		Registration
SESSION 1 CHAIR: DAVID JENKINS, USA			
10:00	10:30		Opening Ceremony Jiří Wanner, Czech Republic & David Jenkins, USA & Harro Bode, Germany & Jochen Stemplewski, Germany
10:30	11:00		Ardern and Lockett Remembrance Glen Daigger, USA
11:00	11:30		Video: The historic WWTP Essen-Rellinghausen
11:30	12:00		Wastewater treatment requirements through the years Hermann H. Hahn, Germany
12:00	13:30		Lunch Break
SESSION 2 CHAIR: HILDE LEMMER, GERMANY CO-CHAIR: NANCY LOVE, USA			
13:30	14:00	1	Process Development David Stensel, USA & Jacek Makinia, Poland
14:00	14:30	2	Process Microbiology/Ecology Per H. Nielsen, Denmark & Katherine D. McMahon, USA
14:30	15:00	3	Macro-nutrient Removal (N) Charles Bott, USA & Kartik Chandran, USA & Paul Pitt, USA & Wendell Khunjar, USA
15:00	15:30		Coffee Break
SESSION 3 CHAIR: KRISHNA PAGILLA, USA CO-CHAIR: ANNA ABELS, GERMANY			
15:30	16:00	4	Macro-nutrient Removal (P) James L. Barnard, USA & Yves Comeau, Canada
16:00	16:30	5	Removal of Microconstituents Hansruedi Siegrist, Switzerland & Shane Synder, USA & Adriano Joss, Switzerland & Thomas A. Ternes, Germany
16:30	17:00	6	Aeration and Mixing Martin Wagner, Germany & Micheal K. Stenstrom, USA
17:00	19:30		Poster Reception

Friday, June 13th

SESSION 4 CHAIR: XIAOHU DAI, CHINA CO-CHAIR: KLAUS NELTING, GERMANY			
09:00	09:30	7	Air Emissions Jay Witherspoon, USA & Richard Stuetz, Australia & Michael D. Short, Australia & Kate Simmonds, Australia & Ben van den Akker, Australia & E. Maddon
09:30	10:00	8	Solids Separation Jiří Wanner, Czech Republic & Andrea Jobbagy, Hungary
10:00	10:30	9	Secondary Clarifiers Denny Parker, USA & Wolfgang Günthert, Germany & Britt-Marie Wilén, Sweden
10:30	11:00		Coffee Break
SESSION 5 CHAIR: TAKAO MURAKAMI, JAPAN CO-CHAIR: YVONNE SCHNEIDER, GERMANY			
11:00	11:30	10	Energy Considerations Helmut Kroiss, Austria & Ye Shi Cao, Singapore
11:30	12:00	11	Automation and Control Gustaf Olsson, Sweden & Zhiguo Yuan, Australia & Changwon Kim, South Korea
12:00	12:30	12	Modelling Imre Takacs, France & George Ekama, South Africa
12:30	14:00		Lunch Break
SESSION 6 CHAIR: FRANK ROGALLA, SPAIN CO-CHAIR: DESPINA ATHANASIADOU, GERMANY			
14:00	14:30	13	Hybrid Systems Hallvard Odegaard, Norway & Kim H. Sorensen, France & Magnus Christensson, Sweden
14:30	15:00	14	Membrane Systems Simon Judd, UK & Tamas Zsrai, UK & George Crawford, Canada
15:00	15:30		Coffee Break
SESSION 7 CHAIR: FABIO TATANO, ITALY CO-CHAIR: CHRISTIAN LODERER, GERMANY			
15:30	16:00	15	Industrial Wastewater Treatment K.-H. Rosenwinkel, Germany & Willy Verstraete, Belgium & Siegfried E. Vlaeminck, Belgium
16:00	16:30	16	Planning and Design Burkhard Teichgräber, Germany
16:30	17:00	17	Economics Norbert Jardin, Germany & Julian Sandino, USA
17:00	17:30	18	The next 100 Years Mark van Loosdrecht, The Netherlands & Harry Seah, Singapore & Ye Shi Cao, Singapore & Wah Yuen Long, Singapore
17:30	18:00		Closing Ceremony and Award Ceremony of Best Poster
18:15	19:45		Guided Tour of the UNESCO World Heritage Site Zollverein
20:00	23:00		Gala Dinner Erich-Brost-Pavillon

Saturday, June 14th

09:00	14:00		Excursion (WWTP Schwerte, Construction Site "Emscherumbau" – Drive Thru, WWTP Bottrop)
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