



October 2008, Issue 27

Newsletter

European Desalination Society
<http://www.edsoc.com>

Union of research and business to make water for communities

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Antoine Riolo Lute Broens Ian Lomax

LUTE BROENS ELECTED 2008–2010 EDS PRESIDENT

Lute Broens was unanimously voted the new president of EDS at the recent board meeting on 1 September 2008 at the conference centre of the German spa town of Baden-Baden, site of the 2009 conference. In his acceptance speech he firstly thanked Antoine Riolo for all his work in

the preceding two years and outlined his commitment to promoting EDS and increasing revenues and membership. Lute congratulated Ian Lomax of Dow on his election to vice president and of new board members Borja Blanca of ERI and Manuel Rubio Visiers of Acciona.

EDS BOARD 2008–2010

Lute Broens, *President*, Miriam Balaban, *Secretary General*, Ian Lomax, *Vice President*, Borja Blanco, *Treasurer*, Thomas Altmann, *IDA Representative*, Ursula Annunziata, Maria Kennedy, Erineos Koutsakos, Peter Moss, Miguel Angel Sanz, Corrado Sommariva, Manuel Rubio Visiers, Steve Chesters, *Editor*



Erineos Koutsakos Ian Lomax Lute Broens Miriam Balaban Ursula Annunziata
Maria Kennedy Manuel Rubio Visiers Corrado Sommariva Borja Blanco Thomas Altmann
Missing from photo: Peter Moss, Miguel Angel Sanz

MESSAGE FROM YOUR PRESIDENT

Dear members of EDS,

It is a great honor to be elected President of the EDS. I am deeply appreciative for the confidence that our Board of Directors have put in me. I would like to use this opportunity to briefly introduce myself and give you some insight on what will be my objectives for EDS for the coming years.

In the early seventies of the last century I started doing research in membrane technology at the University of Twente. This accumulated into the foundation of the membrane producing company X-Flow in 1984. Not even a decade later Norit Membrane Technology devoted to the practical application of the technology was established. In my current position as Business Development Director of Norit I still maintain this double focus: developing the market and stimulating innovative technology at the same time.

My vision for EDS is that it will be an ever growing organization that at the same time invests in sustainable relationships with new and existing members. After all, growth can only be lasting if it has a firm and reliable base. I believe it is of the utmost importance that we bridge the gap between science and industry and increase the awareness that the two can and should complement each other. I envisage a future in which this interaction between research and application will make EDS conferences and events of the highest quality that no one can afford to miss out on. These goals may seem to be ambitious, but I am confident that they are within our grasp. But only as long as it is our (and not my) grasp, as we can only achieve them together.



Lute Broens



Sidney Loeb Award – In the early 1960's Sidney Loeb's work at UCLA gave birth to the reverse osmosis process and the multi-billion euro business we are all involved in today. Loeb is pictured



here with an early development single RO membrane machine known as the "Big Dripper". In 2006 EDS was highly delighted that Dr. Loeb could attend the conference in Halkidiki Greece to present the inaugural Sidney Loeb award for innovation to Leif Hauge the inventor and Dr. Richard Stover of ERI who developed the invention into it's current form. EDS will continue to recognise innovation that helps make more affordable sustainable water for humanity. We would like all readers of the EDS Newsletter to send in their nominations for the next award which will be held at the Jordan conference this November. Please send to the EDS secretariat.

EDS Party at Aquatech Amsterdam

Aquatech to take place from the 30th September to 3rd October is the world's leading trade exhibition on process, drinking and waste water technology with over 800 international exhibitors and 20,000 visitors in 2006. The exhibition programme provides an extensive overview of the latest developments in the fields of: Water treatment, transport and storage, process control and automation and point of use. The EDS board would like to invite members and colleagues to share nibbles and a glass of wine at an informal gathering at the stand of the Innovation Programme Water Technology, Booth 07.201 Hall 7 from 5 pm to 6.30 pm on Wednesday October 1 to meet fellow members.



**AQUATECH
AMSTERDAM**
30 SEP - 03 OCT
2008



MEMBRANES IN DRINKING WATER PRODUCTION AND WASTEWATER TREATMENT

Toulouse, France, 20–22 October 2008



This conference is the 8th in a series on membranes in drinking water production and wastewater treatment. The event brings together researchers, engineers, operational managers, consultants and manufacturers who will listen to 124 oral papers in 34 sessions over the three days. Registration and a welcome reception will take place on the 19th October and the conference opening ceremony and keynote speeches start at 0900 on the 20th October.



The main topics are:

- Drinking water production
- Domestic and industrial wastewater treatment
- Water reuse
- Desalination
- Innovation
- Hybrid membrane processes
- Process modelling and simulation in membrane separation
- Membrane fouling mechanisms and control

For further details and to register on-line click here:

<http://www.mdiw2008.com/>

Contact: Corinne Cabassud

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EUROMED 2008



DESALINATION COOPERATION AMONG MEDITERRANEAN COUNTRIES OF EUROPE AND THE MENA REGION

9–13 November 2008, King Hussein Bin Talal Convention Center, The Dead Sea, Jordan



This is the fifth Euromed conference with the theme "Desalination Co-operation among Mediterranean countries of Europe and the MENA region." The focus is on developments in desalination technology which will help production of affordable water in a sustainable manner in the southern Mediterranean countries. Expected 400 delegates from over 40 countries will attend 134 oral paper presentations and see 254 poster presentations. Twenty companies are exhibiting their innovative desalination products in the King Hussein Bin Talal Convention Center, The Dead Sea, Jordan.

To register and get more details please click here:

<http://www.desline.com/congress/deadsea/home.shtml>

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European Desalination Society

Conference and Exhibition on
DESALINATION FOR THE ENVIRONMENT

17-20 May 2009
Kongresshaus, Baden-Baden, Germany



CLEAN WATER AND ENERGY

The bottom half of the page features a photograph of a vast body of water, likely the sea, under a dramatic sky. The sky is filled with large, dark clouds, but a bright light source, presumably the sun, is breaking through the clouds on the right side, creating a shimmering path of light across the water's surface. The overall color palette is dominated by blues, greys, and warm oranges/yellows from the sunset or sunrise.



*EDS Conference and Exhibition on Desalination for the Environment
17-20 May 2009, Kongresshaus, Baden-Baden, Germany*

Water and energy are the issues of this millenium.

This conference on desalination for the environment will be devoted to advances towards providing fresh water for all, at affordable cost and at economical energy requirements. With limited and depleting natural sources, desalination can supplement some of the critically lacking amounts of water needed for sustainable development. Its place in the water cycle will be discussed.

The conference will overview the most recent developments in desalination technology, its cost and extent of application, including socio-economic and environmental issues. It will bring together research scientists, decision makers, managers, design engineers and operators from water companies, industries, government departments, consulting firms, research institutes and universities.

The place of industry, research and government decision making in this booming market will be addressed.

Why and how should desalination be integrated into the national or regional water management plans, ensuring socio-economic and environmental benefits, will be the focal point of the conference.

TECHNICAL PROGRAM

Socio-economic and environmental issues

- Water scarcity and environmental implications
- Desalination and water resource management
- Desalination projects, financing schemes
- Cost of desalination and water treatment
- Desalination and environmental impact
- Concentrate handling

Processes, problems, technological advances

- Feedwater pretreatment for desalination
- Seawater desalination by reverse osmosis
- Brackish water desalination
- Nanofiltration, Ultrafiltration, Microfiltration in water treatment processes
- Removal of specific compounds
- Membrane performance and maintenance
- Pre-treatment and Post-treatment of desalinated water
- Recent developments in desalination
- Advanced wastewater treatment
- Desalination and renewable energy sources
- Energy recovery technology
- Thermal seawater desalination
- Corrosion and scaling
- Materials selection

SCHEDULE May 2009

Sunday 17	Registration Welcome
Monday 18	Conference opening Exhibition opening Technical sessions
Tuesday 19	Technical sessions Conference dinner
Wednesday 20	Technical sessions



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IDW 2008 Gwangju, Korea, 8–9 October 2008

2nd International Desalination Workshop organised by the Centre for Seawater Desalination Plant and EDS. The first workshop was also held in Gwangju and had 91 participants and 32 papers presented focussing on membrane fouling, contaminant removal and membrane composition. EDS

supported with a number of representatives including keynote speakers Jan Schippers, Miriam Balaban and papers presented by Marc Petry, Degremont, Yoram Oren, Ben Gurion University, Roger Ben Aim, Steve Chesters, Genesys International Ltd.



1st International Desalination Workshop, Gwangju, Korea 15–16 November 2007

The second workshop is part of a \$150M five year programme supported by the Korean government and major companies Doosan, Samsung and Saehan. Over 400 researchers are working on issues of: energy and investment, new RO modules, NF applications, boron and micropollutant removal, membrane fouling, enhanced pre-

treatment, biofouling, antiscalant, forward osmosis and membrane distillation. The second workshop will be supported by EDS speakers Miriam Balaban, Borja Blanco, Lute Broens, Sarah Le Gallou, Steve Rosenberg, Anastasios Karabelas, Yoram Oren, Steve Chesters.

OTHER EDS SUPPORTED WORKSHOPS INCLUDE:

Workshop on Desalination and Corrosion

Brest, France, October 14, 2008

http://www.desline.com/Desalination_and_Corrosion_Workshop.pdf

Brine Discharge Management – Environmental Planning, Prediction and Management of Brine Discharges from Desalination Plants

Muscat, Oman, November 3–4, 2008

<http://www.desline.com/Workshop-Muscat.pdf>

See a full list of events at <http://www.desline.com/events.shtml>

HAVE YOUR SAY

The EDS newsletter is valuable to us all, and there is a commitment to producing four per year..The news inevitably comes from our readers so please send me any company news, stories and I will try and include as much as I can. EDS also needs to know what you want the board

to work on and what topics you would like to include on the agenda for the next board meeting in Jordan in November. Please send any news, requests or ideas to schesters@genesysro.com

EDS EVENTS

The European Desalination Society is a Europe-wide organisation for individual and corporate members including universities, companies, research institutes, government agencies, and all concerned with desalination and membrane technologies for water purification. Conferences are held in three series:

EuroMed Conferences

Initiated to respond to EU interest in establishing cooperation between EU countries of the north Mediterranean and of those in the south Mediterranean

2000	Jerba, Tunisia
2002	Sharm-El- Sheikh, Egypt
2004	Marrakech, Morocco
2006	Montpellier, France
2008	Dead Sea, Jordan

Desalination for the Environment

2001	Limassol, Cyprus
2003	Malta
2005	Santa Margherita, Italy
2007	Halkidiki, Greece

Membranes in Drinking and Industrial Water Production

2000	Paris
2002	Muhlheim, Germany
2004	L'Aquila, Italy
2006	Cranfield, UK
2008	Toulouse, France

These conferences have seen over 3,000 participants attending and presenting original research papers which have then been published in *Desalination* and are freely available at Desalination Directory website <http://www.desline.com>

SHORT INTENSIVE COURSES

Every year since 2003, EDS has run intensive short courses that have been attended by over 150 participants from about 35 countries. See <http://www.desline.com> for forthcoming courses.

RO, MF and Membrane Filtration Technology for Potable Applications

Lecturer Dr. Mark Wilf

Thermal Desalination Processes. Management and Economics

Lecturer Dr. Corrado Sommariva

Membrane Fouling and Scaling in Reverse Osmosis, Nanofiltration, Ultra- and Microfiltration: Theory and Practice

Lecturer Prof. Dr.-Ing. Jan Schippers

Electromembrane Processes: The Principles and Practical Applications

Lecturer Prof. Dr. Heiner Strathmann

Seawater Desalination and Marine Environment

Lecturers Prof. Dr. Thomas Hoepner and Sabine Lattemann

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MEMBERSHIP APPLICATION FORM



Membership fee		Euro
Individual member		100
Corporate member	3 representatives	280
	5 representatives	400
Retiree		35
Full-time student		Free (<i>letter from university required</i>)

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Organization

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Your name will be placed on the EDS database and Desalination Directory unless otherwise indicated