

Presented by



Solution

Desalination:
An Energy

The word "Solution" is rendered in a large, green, sans-serif font. The letter 'o' is replaced by a circular image of solar panels, and the letter 'i' is replaced by a blue wind turbine. The word "Desalination:" is in blue, and "An Energy" is in orange. The background features a blue header bar at the top and a yellow vertical bar on the right side.

November 2-3, 2010 • Hyatt Regency, Huntington Beach, CA USA

Supported and Endorsed by





Conference Organizer

International Desalination Association (IDA)

Conference Committee Members

Patricia A. Burke
IDA Secretary General

Randy Truby
Chairman
Global Marketing & Sales for
Toray Membrane USA, Inc

Leon Awerbuch
President & CTO
Leading Edge Technologies,
Ltd

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Supported and endorsed by our North American Affiliate





The Venue

“Desalination: An Energy Solution”



This conference takes place at the beautiful Hyatt Regency Huntington Beach Resort and Spa. Shimmering views of the Pacific and luxurious amenities await you at the ocean front Hyatt Regency Huntington Beach Resort & Spa. From its inviting guest rooms and superior service to a fully-equipped business center, this stunning, Spanish-inspired hotel in Huntington Beach offers everything you need for a memorable and productive stay.

Points of Interest near Venue:

- Scenic Pacific Coast Highway
- Huntington Beach Pier
- Bolsa Chica Ecological Preserve
- Surfing Walk of Fame
- International Surfing Museum
- Catalina Island
- Newport Harbor
- Disneyland and Disney’s California Adventure
- Knott’s Berry Farm
- Queen Mary
- Aquarium of the Pacific
- South Coast Plaza



The IDA Energy Conference **General Information and Schedule**

All events will be held in the Hyatt Grand Ballroom Salons B, C & D and the Lighthouse Courtyard

- **Conference Program** begins Tuesday, November 2nd at 9:00 am and ends Wednesday, November 3rd at 6:00 pm
- **Conference Registration** opens on Tuesday at 7:30 am for onsite and pre-registration pickup
- **Conference Presentations** will be held in the Grand Ballroom (Salon D)
- **Refreshment Breaks** will be held in Salon B & C of the Conference registration and sponsor exhibits
- **Networking Lunch Breaks** will be held in the Lighthouse Courtyard
- **Cocktail Reception** on Tuesday evening will also be held in the Lighthouse Courtyard
- **Exhibits and our sponsors** will be showcased throughout the two days in Salons B & C
- **Wireless Internet** is available in the conference area for attendees staying at the Hyatt hotel who have acquired internet service as part of their accommodations
- **Questions or Concerns** may be brought to the registration Counter attended by IDA staff who will be available throughout the course of the conference for attendee assistance

DAY ONE: TUESDAY, NOVEMBER 2, 2010

“MEMBRANE DESALINATION ENERGY INNOVATIONS AND COST REDUCTIONS”

7:30 am	Registration Opens
9:00 am	Presentations Begin
10:30 am	Refreshment Break
1:00 pm	Lunch
4:00 pm	Refreshment Break
6:30 pm	Networking Cocktail reception

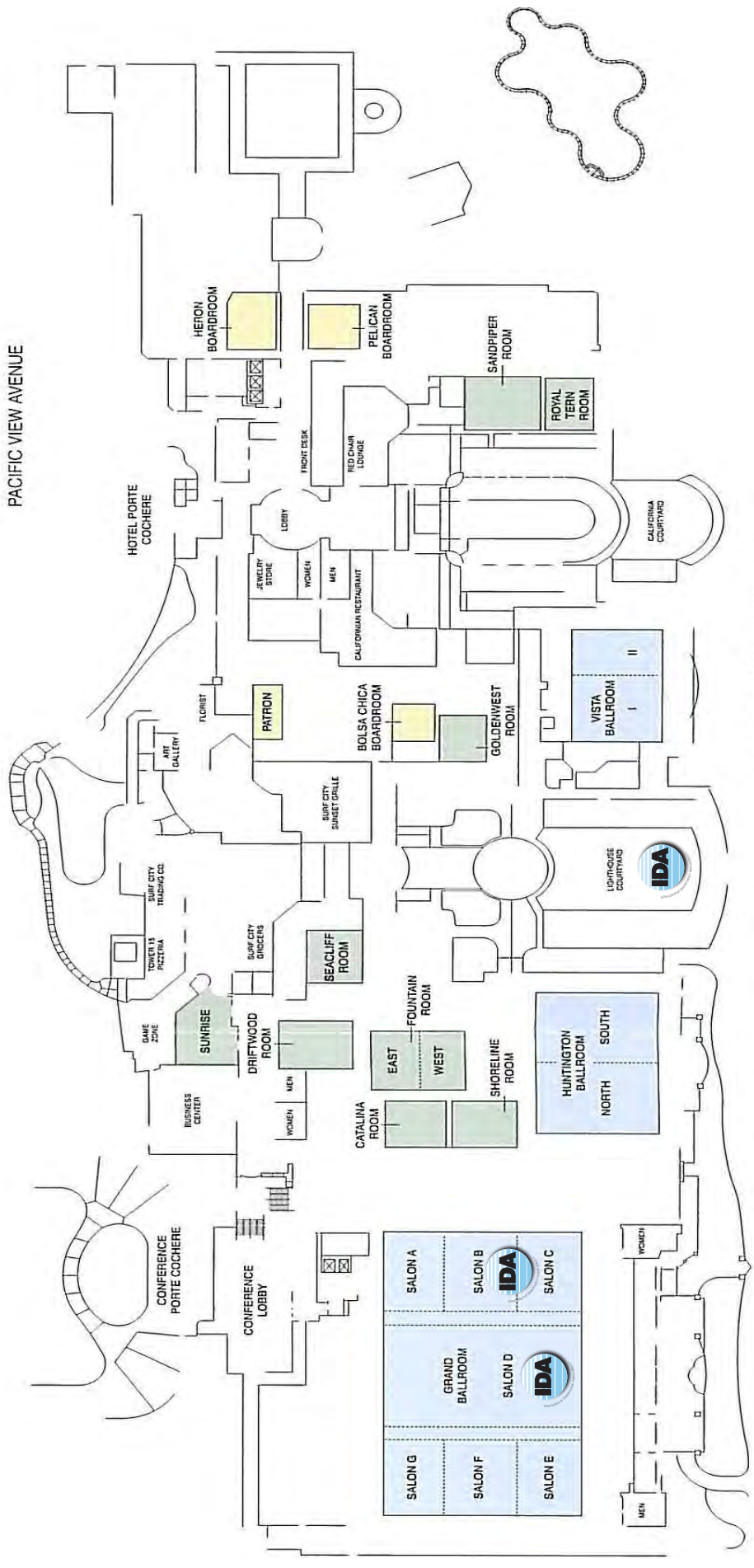
DAY TWO: WEDNESDAY, NOVEMBER 3, 2010

“THERMAL AND HYBRID PROCESS ENERGY INNOVATIONS AND NEW TECHNOLOGIES”

8:00 am	Registration Opens
9:00 am	Presentations Begin
10:30 am	Refreshment Break
12:30 pm	Lunch
3:30 pm	Refreshment Break
4:00 pm	Panelist Remarks & Roundtable Discussion opens to the floor
5:45 pm	End of Conference

Thank you and enjoy the conference!

PACIFIC VIEW AVENUE



PACIFIC COAST HIGHWAY

“DESALINATION: AN ENERGY SOLUTION”



Randy Truby

Conference Co-Chairman
Chairman Global Marketing and Sales – Toray Membrane – USA

Seawater desalination is now the cost effective choice for a sustainable water supply solution around the world. Major installations (over 30 MGD each) are in operation around the globe including Australia, India, China, Singapore, Spain, Trinidad, Algeria, South Africa, Israel, Chile, Mexico and the United States and of course, the Middle East.

For years, it was believed that only the oil-rich countries of the Middle East could afford the energy required to take advantage of large volume seawater desalination. As the technology advanced over the last 40 years, desalination has become more affordable and energy efficient. In fact, for many communities around the world, seawater desalination provides the only new, reliable and sustainable source of fresh water needed to accommodate population and economic growth.

Despite this progress, a good deal of misinformation has been reported on the cost and energy requirements of the processes including both thermal and membrane plants. IDA has organized this conference to discuss actual desalination costs and experience, as well as address – and hopefully clear-up – such misconceptions.

IDA has assembled an esteemed group of scientists and engineers to share their knowledge and insights. In many cases, you will hear directly from operators of plants that are producing large volumes of potable water from seawater on a daily basis. They will share their successes, practical experiences and actual costs. Additionally, you will hear from experts who will describe innovations that will make seawater desalting even more energy efficient in the future.

It is our goal that, after the conference is complete and the presentations have been made, all attendees will have a clear understanding on just how beneficial seawater desalination has become and how affordable it is as a solution to large volume water supply.



Solution

Desalination:
An Energy

November 2-3, 2010 • Hyatt Regency, Huntington Beach, CA USA



Peter Waldron
President of AMTA

"Many advancements have been made in all phases of desalination making it an affordable alternative for municipalities. This event will show how countries around the globe have adopted seawater desalination and will dispel some of the false perceptions put forth by opponents of desalination. It will be a very informative two day workshop and one that we are all looking forward to."





Program

A Critical Issue...

Seawater desalination is one of the most hotly debated topics in water management today...

DAY ONE: Membrane Desalination Energy Innovations and Cost Reductions			
9:00 AM	Mr. Randy Truby Conference Co-Chairman	Chairman Global Marketing and Sales for Toray Membrane USA, Inc	WELCOME AND INTRODUCTION
9:05 AM	Mr. Peter Waldron Guest Speaker	AMTA President	OPENING REMARKS
9:10 AM	Dr. James Birkett	Proprietor, Westneck Strategies, USA	Energy in Desalination - Historical Perspective and Broad Context
9:40 AM	Mr. Nikolay Voutchkov	President, Water Globe Consulting, LLC, USA	Membrane Seawater Desalination - Overview and Recent Trends
10:10 AM	Mr. Paul Choules	VP of Desalination & Reuse, Veolia Water Solutions & Technologies, USA	Update on Large Scale Ocean Desal Plants
10:30 AM	REFRESHMENT BREAK (Salon B&C)		
11:00 AM	Mr. Avner Hermoni	Via Maris Desalination Ltd., Israel	Actual Energy Consumption and Water Cost for the SWRO Systems at Palmachim - Case History
11:30 AM	Mr. Gary Crisp	Global Business Leader Desalination, GHD, Australia	Actual Energy Consumption and Water Cost for the SWRO Systems at Perth Australia and Gold Coast - Case History
12:00 PM	Dr. Boris S. Liberman	CTO, IDE Technologies Ltd., Israel	Present and Future: Energy Efficient Seawater Desalination
12:30 PM	Mr. Foo Hee Kiang	Group Executive VP, Commercial Contracts & Industry Relations, Singapore	Energy Efficiency Considerations of SingSpring SWRO Plant, Tuas, Singapore
1:00 PM	NETWORKING LUNCH BREAK (Lighthouse Courtyard)		
2:30 PM	Dr. Robert L. Burk	Chief Scientific Officer, NanoH2O, Inc. USA	Seawater Membrane Energy Efficiency Improvements
3:00 PM	Mr. Stein Erik Skilhagen	Head of Osmotic Power, Statkraft, Norway	Osmotic Power: Developing a New, Renewable Energy Source
3:30 PM	Dr. Rick Stover	VP of Engineering, Oasys Water Inc., USA	Isobaric Energy Recovery Technology – History and Future Opportunities
4:00 PM	REFRESHMENT BREAK (Salon B&C)		
4:30 PM	Dr. Bill T. Andrews	Bermuda	Isobaric Energy Recovery Technology – Economics and Potential Improvements
5:00 PM	Mr. Cesar Lopez	Senior Water Resource Specialist, San Diego County Water Authority, USA	Camp Pendleton Seawater Desalination Project Feasibility Study
6:30 PM	COCKTAIL RECEPTION (Lighthouse Courtyard)		



Program

DAY TWO: Thermal and Hybrid Process Energy Innovations and New Technologies			
9:00 AM	Mr. Leon Awerbuch Conference Chairman	President & CTO Leading Edge Technologies, Ltd, USA	INTRODUCTION and Water-Energy Nexus
9:30 AM	Mr. John Tonner	Water Consultants International, USA	Energy, Efficiency - Hybrid Processes and Facility Optimization
10:00 AM	Mr. Fredi Lokiec	EVP, Special Projects, IDE Technologies Ltd., Israel	MED System - Present Status and Future Directions
10:30 AM	REFRESHMENT BREAK (Salon B&C)		
11:00 AM	Mr. Charles Desportes	Director of Thermal Desalination, Aquatech USA	MED Industrial System Present Status and Future Directions
11:30 AM	Dr. Roberto Borsani	Process & Development Manager, FISIA Italmimpianti S.p.A. Italy	MSF-System : Present Status and Future Direction
12:00 PM	Mr. Vincent Baujat	CEO, SIDEM, France	Innovations Anticipated to Further Increase Efficiency of Thermal Plants in the Future
12:30 PM	NETWORKING LUNCH BREAK (Lighthouse Courtyard)		
1:30 PM	Mr. Robert Yamada	San Diego County Water Authority, USA	Unit Cost of New Local Water Supply Alternatives for San Diego
2:00 PM	Mr. Claus Mertes	General Manager of DME, Germany	Solar Desalination Systems - Present Status and Future Directions
2:30 PM	Prof. John H. Lienhard V	Director, Center for Clean Water and Clean Energy, MIT, USA	Clean Water and Clean Energy
3:00 PM	Dr. Dick G. Klaren	Principal Adviser & Chief Scientist, KLAREN BV, The Netherlands	Design, Construction and Operating Features of Multi-Stage Flash / Fluidized Bed Evaporators (MSF/FBE) for very large Capacities
3:30 PM	REFRESHMENT BREAK (Salon B&C)		



4:00 PM

PANELIST REMARKS

PANEL MODERATOR:

Dr. James Birkett, Proprietor, West Neck Strategies, USA

PANELISTS:

Mr. Dave Argo, Senior Vice President, Black & Veatch Corporation, USA

Mr. John MacHarg, President, Ocean Pacific Technologies, USA

Mr. Eli Oklejas, President, Fluid Equipment Development Company, LLC, USA

Mr. Beat Schneider, Managing Director, Calder GmbH, Switzerland

Mr. C.K. Tiwari, General Manager, Aquatech International Corporation, USA

Mr. Diem X. Vuong, President, DXV Water Technologies, LLC, USA

Mr. Peter Waldron, Vice President-Mega Projects Division, Energy Recovery Inc., USA

Roundtable Discussion - Open to the Floor

5:30 PM

CLOSING REMARKS

Mr. Randy Truby and Mr. Leon Awerbuch, Conference Co-Chairmen



A Critical Issue...

Seawater desalination is one of the most hotly debated topic in water management today...

Panel Discussion

Panel Discussion on Energy Innovations – Desalination Systems will focus on technologies that can improve energy consumption and lower costs in the future. Held at the conclusion of Day Two, the Panel Discussion wraps up the conference with a lively and informative exchange of views among experts in current and emerging desalination technologies. Participants – all of whom attended the conference but were not among the presenters – will share their perspectives on topics covered in the conference before engaging in lively discussion. With its interactive format and distinguished members, the Panel Discussion provides an outstanding forum for free-flowing conversation, audience engagement and development of new insights.

Moderator:

“With its theme, interactive format and distinguished speaker roster, this Panel Discussion promises spirited conversation, audience engagement, and new insights into emerging technologies that will benefit the desalination community and all its stakeholders. It is the ideal way to wrap up the conference and leave delegates with a thorough understanding of the many promising developments in our industry that are focused on enhancing energy efficiency”



Dr. James Birkett

Proprietor, West Neck Strategies, USA

Dr. Birkett is a PhD physical chemist. He became involved in desalination in the 1960s when, while with the consulting firm of Arthur D. Little, Inc., he was heavily involved in a series of field studies of operating desalination plants. Although early work was concentrated on thermal plants, by the 1980s his work had expanded to membrane facilities as well. Subsequently he turned to the evaluation of new technologies, research directions, and the identification of joint venture and merger partners. He has been active in appropriate professional organizations, was the first President of the International Desalination Association and currently chairs the Peer Review Editorial Board of the IDA Journal.



Hope to see you there!

Join IDA at these upcoming events:



desalination
and the **gulf**

The Relationship between
the Environment and Meeting
the Region's Water Needs

December 6-7, 2010

The Crowne Plaza, Manama, **Bahrain**



IDA
International Desalination Association

desalination
industry
action for good

may 16-18, 2011

portofino

Grand Hotel Miramare, Santa Margherita, Portofino, Italy



**Desalination:
Sustainable Solutions
for a Thirsty Planet**

perth
ida world congress

2011
september
4-9



To learn more or register online, please visit www.idadesal.org

To inquire about sponsorship opportunities, please contact
Ann Seamonds at +1.978.887.9959 or seamonds@seamonds.com