



WODCON XVIII

GLOBAL DREDGING CONGRESS

Sunday, May 27, 2007 – Friday, June 1, 2007

at the

WALT DISNEY WORLD PROPERTY

Lake Buena Vista, Florida, USA



The Lake Buena Vista Luxury Resort

**“Dredging Creates a
Strong Economy and
a Cleaner Environment”**

PAST WEDA/WODCON MEETINGS

Past WODCON meetings have been held in: New York, NY (1967), Rotterdam, The Netherlands (1968) Singapore (1970), New Orleans, LA (1971), Hamburg, Germany (1973), Taipei, Taiwan (1974), San Francisco, CA (1976), Amsterdam, The Netherlands (1978), Vancouver, BC (1980), Singapore (1983), Brighton, England (1986), Orlando, Florida (1989), Bombay, India (1992), Amsterdam, The Netherlands (1995), Las Vegas, Nevada (1998), Kuala Lumpur, Malaysia (2001), Hamburg, Germany (2004).

WORLD ORGANIZATION OF DREDGING ASSOCIATIONS

The **World Organization of Dredging Associations (WODA)** is divided into three separate organizations. The **Western Dredging Association (WEDA)** region covers North, Central, and South America; the **Central Dredging Association (CEDA)** covers most of Europe, Africa, the Mid and Near East; the **Eastern Dredging Association (EADA)** covers the Far East and Pacific region. The three organizations that constitute the **World Organization of Dredging Associations (WODA)** have equal representation on the Board of Directors of WODA. The goals and objectives are common for each of the three organizations, however operations to attain these are independently carried out.

WODA GOALS AND OBJECTIVES:

- To promote the exchange of knowledge in fields related to dredging, navigation, marine engineering, and construction by sponsoring or co-sponsoring national and international technical conferences, seminars, exhibitions, and symposiums, including publication and dissemination of the proceedings.
- To provide a forum for improvement of communications, technology transfer, and cooperation among associations, societies, and all organizations interested in dredging, navigation, marine engineering, and construction.
- To emphasize the importance of understanding and development of solutions for problems related to the protection and enhancement of the marine environment.
- To encourage educational institutions to initiate programs and courses to prepare students for employment in the dredging, navigation, and marine engineering fields.
- To support educational institutions for students interested in pursuing dredging and marine engineering as a career.
- To promote membership in and furtherance of the World Organization of Dredging Associations.
- To recognize individuals and organizations for outstanding engineering and operational achievements.

**WODA Board of Directors
(2004 – 2007)**

Ancil Taylor, Chairman

Chairman, Western Dredging Association

John Dobson, 1st Vice Chairman

Chairman, Eastern Dredging Association

Rewert Wurpts 2nd Vice-Chairman

President, Central Dredging Association

CONFERENCE STEERING COMMITTEE

WEDA region (Americas)

Mr. Larry Patella

WEDA Executive Director

Post Office Box 5797

Vancouver, WA 98668 USA

Phone: 360 750 0209

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www.westerndredging.org

CEDA region (Africa, Europe and the Middle-East)

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General Manager, CEDA Secretariat

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EADA region (Asia, Austral-Asia, Pacific):

Capt. David Padman

Secretary General, EADA Secretariat,

c/o Port Klang Authority

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TECHNICAL PAPER COMMITTEE

Chair:

Dr. Ram Mohan, ARCADIS BBL, USA

Members:

Mr. Neville Burt, HR Wallingford, UK

Mr. John Dobson, EADA, Australia

Mr. Stephen Garbaciak, Jr., ARCADIS BBL, USA

Prof. Dr. Robert Randall, Texas A&M University, USA

**Prof. Dr. Wim Vlasblom, Delft University of Technology,
The Netherlands**

Mr. Shuho Yano, Mitsubishi, Japan

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SPECIAL EVENTS

- **Best Paper Awards:**
 - **Dredging Contractors of America (DCA):**
\$1000.00 (All Authors Eligible)
 - **Western Dredging Association (WEDA):**
 - **\$500.00 (Presented to Runner Up)**
 - **\$250.00 (Presented to 3rd Place)**
 - **\$500.00 (Best Student Paper)**
 - **International Association of Dredging Contractors (IADC): 1.000.00 Euros**
(To be Eligible author must be 35 Years old or younger)

- **Grand Door Prizes (To be awarded during Closing Ceremony)**
 - **Grand Door Prize: \$1000.00**
(Must be present to win)
 - **Runner Up: \$ 500.00**
(Must be present to win)
 - **2nd Runner up \$300.00**
(Must be present to win)

- **Daily Door Prizes**
 - **5 Door prizes will be awarded each day of the Congress.**
 - **To be eligible for a door prize, delegates, exhibitors, and speakers are required to visit one of the exhibitor's booths and fill out door prize tickets. There is no limit as to how many times you can visit a booth.**

SPECIAL NOTES

Admission to Technical Sessions, Social Functions, Spouses Program and Tours

Badges are to be worn by all registered delegates, exhibitors, guests, and spouses for entrance into *all* meetings, technical sessions, exhibit hall, and social functions. *Those not wearing a badge will be refused entrance.*

Meeting Attire

Casual clothing is appropriate for all daytime technical sessions and lunches. Appropriate attire for the Icebreaker is Dressy/Casual. For Board Dinner and Congress Dinner: jacket, and tie for men and cocktail attire for women.

Messages

You may check for messages or to see if you won a door prize on the message board located near the Registration Desk. Any changes to the program will also be posted there.

Ticketed Events

Your **Badge** is your ticket to all Technical Events. Reservations are required for the Port of Tampa Tour and the Mystery Dinner Theater. The price for all events, with the exception of the Kennedy Space Center, is included in your registration fee.

Tours (Reservations Required)

ALL TOURS WILL DEPART FROM THE DOORS NEAR
THE WODA REGISTRATION BOOTH ON THE LOWER
CONVENTION LEVEL

Sunday May 27, 2007: 8:15 – 4:00 PM: Kennedy Space Center & Lunch with an Astronaut. \$91. per person

Wednesday May 30, 2007: 12::00 – 5:00 PM – Port of Tampa Tour
-Complimentary

Exhibitor Set Up and Tear Down

Exhibitors may commence setting up their booths at 8:00 am (or as soon as Freeman has booths assembled) on May 27th, 2007 and commence tear down after morning refreshment break on Friday June 1, 2007.

Contact: WEDA Executive Offices
Post Office Box 5797

Vancouver, WA 98668 USA

Phone: 360 750 0209/Fax: 360 750 1445

Email: weda@comcast.net www.westerndredging.org

PROGRAM

WORLD DREDGING CONGRESS (WODCON XVIII)

“GLOBAL DREDGING: ITS IMPACT ON THE ECONOMY & THE ENVIRONMENT”

Sunday, May 27, 2007

All Day	Speaker Ready Room – <i>Coventry Lobby Board Room</i>
7.00a-5.00 pm	WODCON Registration – <i>Great Hall Booth</i>
7.00a-5.00 pm	Exhibitor Set Up – <i>Event Center</i>
8.15a-4.00 pm	Kennedy Space Center Tour & Lunch with an Astronaut- <i>Meet at Great Hall Booth</i>
9.30a-5.00 pm	Golf Tournament at Disney World’s Palm Golf Course – <i>Meet at Great Hall Booth</i>
7.00p-10.00 pm	Icebreaker with entertainment in Exhibit Hall – <i>Event Center</i>

Monday, May 28, 2007

All Day	Speaker Ready Room – <i>Coventry Lobby Board Room</i>
6:30a-5:00 pm	WODCON Registration – <i>Great Hall Booth</i>
6.30a-8.30 am	Breakfast in Exhibit Hall – <i>Set up throughout the Exhibit Hall</i>
6.30a-5.00 pm	Exhibit Hall Open – <i>Event Center</i>
8.30a-10.00am	Opening Ceremonies – <i>Great Hall North</i> <i>Opening Remarks/Introductions, John Adams, WODA President</i> Keynote Speaker, Mr. Richard Wainio, Port of Tampa CEO/Director Colonel, Paul L. Grosskruger, USACE Jacksonville District Commander
10.00a-10.30 am	<i>Coffee Break Set up throughout the Exhibit Hall & Outdoors</i>
10.30a-12.00 pm	Concurrent Technical Sessions <i>Session 1A – Beneficial Uses of Dredging I –Great Hall East/West</i> <i>Session 1B – Dredging Research I –Great Hall North</i> <i>Session 1C – Sediment Management I –Crown Hall</i>
12.00p-1.30 pm	<i>Lunch in the Event Center - Set up throughout the Exhibit Hall</i>

- 12.00p-1.30 pm WEDA Board of Directors Luncheon
–*Senate Gallery*
- 3.00p- 3.30 pm *Coffee Break Set up throughout the Exhibit Hall*
- 1.30p- 5.00 pm **Concurrent Technical Sessions**
Session 2A – Dredging Project Case Studies I
–*Great Hall Center*
Session 2B – Beneficial Uses of Dredging II
–*Great Hall East/West*
Session 2C – Dredging Research II
– *Great Hall North*
Session 2D – Sediment Management II
–*Crown Hall*
- 7.00p-9:30 pm WODA Board of Directors Dinner
– *Arthurs 27/Top of Palace Lounge*
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Monday, May 28, 2007; 10:30a-12:00 pm -Great Hall East/West
Session 1A – Beneficial Uses of Dredging I
Chair: Jos Cleassens, Flemish Government, Belgium

- 10.30a-11.00 am “*A New Practical Solution for Effective Use of Dredged Sand–Mixture of Dredged Sand and Lightweight Materials*” – K. Kawabe, Shinko Construction Co., Ltd., Japan
- 11.00a-11.30 am “*Houston Ship Channel Beneficial Use Project: Lessons Learned in Building Thousands of Acres of Habitat with Dredge Material*” - Scott Aspelin, Port of Houston Authority; Dalton Krueger, U.S. Army Corps of Engineers, USA
- 11.30a-12.00 pm “*Closure Concepts for Hart-Miller Island Dredged Material Containment Facility*” – N.R. Francingues and R.G. Vann, OA Systems Corporation; C. Huntley, Moffatt & Nichol; F.L. Hamons, Maryland Port Administration, USA
- 12.00p-1.30 pm Lunch in the Event Center - *Set up throughout the Exhibit Hall*
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Monday, May 28, 2007; 10:30a-12:00 pm - Great Hall North
Session 1B – Dredging Research I
Chair: Robert Randall, Texas A&M University, USA

- 10.30a-11.00 am “*A Sensitivity Analysis of the Effects of Dimensions and Geometry of Trailing Suction Hopper Dredges*” - S.A. Miedema, Delft University of Technology; C. van Rhee, Van Oord Dredging and Marine Contractors BV, The Netherlands

- 11.00a-11.30 am ***“Dredging Knowledge Base Expert System”*** - Derek Wilson, U.S. Army Corps of Engineers, USA
- 11.30a-12.00 pm ***“CEDA/IADC Publication: Environmental Aspects of Dredging”*** – R. Bray, Dredging and Research Ltd.; A. Csiti, CEDA; C. Dolmans, IADC; G.H. van Raalte, Boskalis/Hydronomic bv, The Netherlands
- 12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***
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Monday, May 28, 2007; 10:30a-12:00 pm -Crown Hall

Session 1C – Sediment Management I

Chair: Axel Netzband, Hamburg Port Authority, Germany

- 10.30a-11.00 am ***“Managing Sediments in the Watershed: Linking Dredged Material and Watershed Planning”*** - Craig Vogt and Molly Madden, U.S. Environmental Protection Agency; Lynn Martin and Elizabeth Kim, U.S. Army Corps of Engineers, USA
- 11.00a-11.30 am ***“An Update on In-Situ Sediment Treatment Research”*** - Donald Hayes, University of Louisiana, USA
- 11.30a-12.00 pm ***“Sediment Management–An Essential Element of River Basin Management Plans”***
- Axel Netzband, SedNet Steer Group c/o Hamburg Port Authority, Germany
- 12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***
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Monday, May 28, 2007; 1:30p-5:00 pm –Great Hall Center

Session 2A – Dredging Project Case Studies I

Chair: John Dobson, EADA, Australia

- 1.30p-2.00 pm ***“Building Dredging Equipment: Best Practices Across the Globe”*** – T. Schattling, VOSTA LMG B.V., Germany
- 2.00p-2.30 pm ***“Dredging a New Harbour Site in the Port of Rotterdam”*** - J.W. Zwakhals and J. Gossije, Port of Rotterdam, The Netherlands
- 2.30p-3.00 pm ***“Waterway Dredging Works in China–Geological Exploration Methods and Technical Requirements of Investigation”***
- Cai Dafu, Changjiang Waterway Institute of Planning, Design and Research, China
- 3.00p-3.30 pm ***Coffee Break - Set up throughout the Exhibit Hall***

- 3.30p-4.00 pm ***“Targeted Dredging of Near-Shore Debris and Sediment: Upper Trenton Channel, Detroit River: A Case Study”*** - M.J. Erickson, R.K. Mohan, W.J. Dinicola, and M.R. Henderson, ARCADIS BBL, USA
- 4.00p-4.30 pm ***“From Heavy Minerals Mining to a Wet Dredge Mining Operation: A Successful Story in Brazil”*** - W. Herchenhorn, IHC of Brasil; H. van Muijen, MTI Holland bv; R. Ouwerkerk, M. Boor, C.J. Verkaik, J.W. de Wit, IHC; Brazil
- 4.30p-5.00 pm ***“Updates in Environmental Permitting Requirements for Disposal of Dredged Material”*** – N. Lombardero, C. Smith, and C. Steen, ANAMAR Environmental Consulting, Inc., USA
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**Monday, May 28, 2007; 1:30p-5:00 pm -Great Hall East/West
Session 2B – Beneficial Uses of Dredging II
Chair: Norman Francingues, Consultant, USA**

- 1.30p-2.00 pm ***“General Guidelines for Good Quality Artificial Beaches and Lagoons, and Case Stories”*** - K. Mangor, DHI, Denmark
- 2.00p-2.30 pm ***“Dunes: The Netherland’s Soft but Secure Sea Defences”*** – M. van Koningsveld, Delft University of Technology; C.J. Otten and J.P.M. Mulder, , Rijkswaterstaat, The Netherlands
- 2.30p-3.00 pm ***“Beach Nourishment by Rainbowing for the Visakhapatnam Port Trust by DCI”*** –M.V.R. Murthy, Dredging Corporation of India, Ltd., Visakhapatnam, India
- 3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 3.30p-4.00 pm ***“Development of Simple Sand Bypass System Using a Self-Sinking Suction Pipe with Holes”*** - Hitoshi Noguchi and Yuji Fujita, Port and Airport Research Institute, Japan
- 4.00p-4.30 pm ***“A Scenario for Beneficial Uses of Material from Maintenance Dredging at Yangshan Port”*** - Xu Yuan, Shanghai Waterway Engineering Design and Consulting Co. Ltd., China
- 4.30p-5.00 pm ***“A Greenfield Project in India”*** - Vinod George, Mundra (Adani) Port, India; Jan Zandbergen, IHC Holland Merwede BV, The Netherlands

**Monday, May 28, 2007; 1:30p-5:00 pm - Great Hall North
Session 2C – Dredging Research II**

Chair: S.A. Miedema, Technical University of Delft, The Netherlands

- 1.30p-2.00 pm ***“Technical Research on the Precise Dredging of Contaminated Sediment”*** - Li Jingui, TianJin Waterway Prospecting and Design Research Institute ; Li Jinjun, TianJin Dredging Co.; Yang Jinahua, TianJin Waterway Prospecting and Design Research Institute; Ding Shuyou, TianJin Dredging Co., China
- 2.00p-2.30 pm ***“Management Information System for Dredger Equipment”*** - Cao Xiang-bo, Liu Nian-jun, Zhou Jin-ju, Mao Wei-yi, Guangzhou Dredging Company; Zeng Yan, Guangzhou Zhengtai Data Ltd., China
- 2.30p-3.00 pm ***“An Overview of Drag Embedded Anchor Holding Capacity for Dredging and Offshore Applications”*** - S.A. Miedema, G.H.G. Lagers, and J. Kerkvliet, Delft University of Technology, The Netherlands
- 3.00p-3.30 pm ***Coffee Break - Set up throughout the Exhibit Hall& Outdoors***
- 3.30p-4.00 pm ***“Development and Testing of Glenn Edwards Dredge Pumps”*** - Lee Whitlock, GIW Industries Inc.; Bob Hagler, Hagler Systems, Inc.; Henry Schorr, Manson Construction Company; Bob Visintainer, GIW Industries Inc., USA
- 4.00p-4.30 pm ***“Enterprise Dredge (eDredge) Application: A Dredging Business Practice Enterprise GIS Application”*** – L.S. Lillycrop and R. Dopsovic, U.S. Army Corps of Engineers, USA
- 4.30p-5.00 pm ***“Night Vision and Nighttime Lighting for Mariners”*** – A. Rothblum, U.S. Coast Guard; D. Wyatt, U.S. Army Corps of Engineers, USA
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**Monday, May 28, 2007; 1:30p-5:00 pm -Crown Hall
Session 2D – Sediment Management II**

Chair: Philip Spadaro, ARCADIS BBL, USA

- 1.30p-2.00 pm ***“Large-Scale Pilot for Treatment and Use of Contaminated Dredged Material in the Netherlands; Preliminary Results and Policy”*** - A.K.J. van der Laan, H. van Steeg, M. de Vries, and A.L. Hakstege, Ministry

of Transport, Public Works and Water Management, The Netherlands

- 2.00p-2.30 pm ***“Specifying and Verifying Construction Performance for Remedial Capping—A Case Study from San Diego Bay, California”*** - Michael Whelan, Ed Berschinski, Tom Wang and John Verduin, Anchor Environmental; Mahmoud Akhavain, Port of San Diego, USA
- 2.30p-3.00 pm ***“The Evolution of Subaqueous Cap Design”*** - Michael Palermo, Mike Palermo Consulting, Inc.; Danny Reible, University of Texas, USA
- 3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall& Outdoors***
- 3.30p-4.00 pm ***“Embracing a New Era of Win-Win Cooperation”*** - Chen Yun, China Communications Construction Company, Ltd., China
- 4.00p-4.30 pm ***“Design and Construction Considerations for Wetland Restoration Using Dredged Material”*** - R.K. Mohan, J.K. Shisler, W.J. Dinicola, T.J. Iannuzzi, and D.F. Ludwig, ARCADIS BBL, USA
- 4.30p-5.00 pm ***“Towards the Integration of Federal Dredging and Beach Nourishment Activities with North American Coastal Bird Conservation Programs”*** – Casey A. Lott, American Bird Conservancy; Richard A. Fischer, U.S. Army Engineer R&D Center; and David N. Pashley, American Bird Conservancy, USA
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Tuesday, May 29, 2007

- All Day Speaker Ready Room – ***Coventry Lobby Board Room***
- 6:30a-5:00 pm WODCON Registration – ***Great Hall Booth***
- 6:30a-5:00 pm Exhibit Hall Open - ***Event Center***
- 7.00a-8.30 am ***Plenary Breakfast: The Construction of Palm Islands, Dubai—Scotland Room Bert Groothuizen, Van Oord Dredging and Marine Contractors, The Netherlands –Everyone is invited & encouraged to attend***
- 8:30a-12:00 pm ***Concurrent Technical Sessions
Session 3A – Dredging Project Case Studies II –Great Hall Center
Session 3B – Poplar Island Environmental Restoration Project- Great Hall North***

Session 3C – USACE ERDC Research

Initiatives -*Great Hall East/West*

Session 3D – *Environmental Aspects of Dredging I -Crown Hall*

- 10.00a-10.30 am *Coffee Break Set up throughout the Exhibit Hall& Outdoors*
- 1200p-1:30 pm Lunch in the Event Center *Set up throughout the Exhibit Hall*
- 1200p-1:30 pm WODA Board of Directors Luncheon
–*Arthurs Kings Court*
- 1:30p-3:00 pm **Concurrent Technical Sessions**
Session 4A – Dredging Project Case Studies III – Great Hall Center
Session 4B – Dredging Research III Great Hall North
Session 4C – WODA Environmental Commission Panel –Great Hall East/West
- 3.00p-3.30 pm *Coffee Break Set up throughout the Exhibit Hall & Outdoors*
- 3:30p-5:00 pm **Concurrent Technical Sessions**
Session 5A – WEDA Safety Commission Panel –Great Hall Center
Session 5B – WEDA Environmental Commission Panel -Great Hall East/West
- 5:00p-5:30 pm **WEDA General Membership Meeting - Great Hall North**
- 6:00p-6:30 pm **Guest Speaker: Honorable John Paul Woodley Jr., - England/Scotland Room Assistant Secretary of the Army for Civil Works**
- 6:30p-10:00pm **Sleuth’s Mystery Dinner Show –England/Scotland Room**
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Tuesday, May 29, 2007; 8:30a-12:00 pm –Great Hall Center

Session 3A – Dredging Project Case Studies II

Chair: Peter Marotta, Panama Canal Authority, Panama

- 8.30a-9.00 am *“Dredging in the Panama Canal–Past, Present and Future” - Peter Marotta, Panama Canal Authority, Panama*
- 9.00a-9.30 am *“A New Dredging Information System (DIS) for Assessment of Environmental Effects of Turbidity” - S. Tatman, WL/Delft Hydraulics; W. Dirks, Van Oord NV; H. Gerritsen, WL/ Delft Hydraulics; G. Hesselmanns, Argoss BV; H. Noorbergen, National Aerospace Laboratory NLR, The Netherlands*

- 9.30a-10.00 am ***“Modern Dredge Simulators & Training– Means to Get a Dredge Crew More Efficient”*** - Riny Mourik and Jeroen Braadbaart, IHC Systems, The Netherlands
- 10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 10.30-11.00 am ***“Water Injection Dredging in U.S. Waterways, History and Expectations”*** – D.A. Wilson, U.S. Army Corps of Engineers, USA
- 11.00a-11.30 am ***“Excess Dredging: Implications for Negotiating Environmental Documents”*** - Nancy Case O’Bourke and Gregory L. Hartman, Dalton, Olmsted & Fuglevand, Inc., USA
- 11.30a-12.00 pm ***“Cleaning up the Thea Foss Waterway–A Photographic Journey”*** - Michael Lloyd and Leonard Juhnke, Manson Construction Co., USA
- 12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***

Tuesday, May 29, 2007; 8:30a-12:00 pm - Great Hall North
Session 3B – Poplar Island Environmental Restoration Project
Chair: Frank Hamons, Maryland Port Administration, USA

- 8.30a-9.00 am ***“Poplar Island Environmental Restoration Project: The Role of Stakeholder Partnership In Implementation”*** - Frank L. Hamons, Maryland Port Administration; Daniel A. Wilson, Gahagan and Bryant Associates, Inc., USA
- 9.00a-9.30 am ***“Poplar Island Environmental Restoration Project: Dike Construction and Wetland Development”*** - Timothy Donegan, Steve Shaw, and Dennis Urso, Gahagan and Bryant Associates, Inc., USA
- 9.30a-10.00 am ***“Poplar Island Environmental Restoration Project: Coastal Engineering Design and Construction”*** - Peter W. Kotulak and John R. Headland, Moffatt & Nichol, USA
- 10.00a-10.30 am ***Coffee Break - Set up throughout the Exhibit Hall & Outdoors***
- 10.30a-11.00 am ***“Poplar Island Environmental Restoration Project: Adaptive Management Process for Assessment of Wetland Cell Development and Habitat Restoration Success”*** - Jeff

Elseroad and Peggy Derrick, EA Engineering, Science, and Technology, Inc.; Scott Johnson, Mark Mendelsohn, and Jeffrey McKee, U.S. Army Corps of Engineers, USA

11.00a-11.30 am ***“Poplar Island Environmental Restoration Project: Environmental Monitoring and the Role of Consensus Building”*** - Melissa Slatnick and Jennifer Harlan, Maryland Environmental Service; Peggy Derrick, EA Engineering, Science, and Technology, USA

11.30a-12.00 pm ***“Poplar Island Environmental Restoration Project: Project Successes, Lessons Learned, and Future Plans”*** - Peggy Derrick, EA Engineering, Science, and Technology, Inc.; Jeffrey McKee, Scott Johnson, and Mark Mendelsohn, U.S. Army Corps of Engineers, USA

12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***

**Tuesday, May 29, 2007; 8:30a-12:00 pm –Great Hall East/West
Session 3C – USACE ERDC Research Initiatives
Chair: Todd Bridges and Edmond Russo, USACE ERDC, USA**

8.30a-9.00 am ***“Dredging Research and Technology Transfer as a Strategic Enabler to the United States Navigation Mission”*** – T.S. Bridges and E.J. Russo, Jr., U.S. Army Corps of Engineers, USA

9.00a-9.30 am ***“Effectiveness of Relocation Trawling During Hopper Dredging for Reducing Incidental Take of Sea Turtles”*** - Dena Dickerson, U.S. Army Corps of Engineers; Craig Theriot and Monica Wolters, Bowhead Information Technology Services, Inc.; Chris Slay, Coastwise Consulting; Trish Bargo, East Coast Observers, Inc.; Will Parks, REMSA, Inc., USA

9.30a-10.00 am ***“Predicting Contaminant Exposure from Dredging Operations”*** – P.R. Schroeder, S.-C. Kim, and C.E. Ruiz, U.S. Army Corps of Engineers, USA

10.00a-10.30 am ***Coffee Break - Set up throughout the Exhibit Hall & Outdoors***

10.30a-11.00 am ***“The Particle Tracking Model: Description and Processes”*** - Tahirih Lackey, U.S. Army Corps of Engineers, USA; Neil MacDonald, Coldwater Consulting Ltd., Canada

- 11.00a-11.30 am ***“Automated Management of Agitation Dredging by Hopper Dredges”*** - Gary L. Howell, James Rosati, III, K.C. Clark, and Thomas W. Richardson, U.S. Army Corps of Engineers, USA
- 11.30a-12.00 pm Panel Discussion: ***“Current and Future Research Needs in Dredging”***
- 12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***
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Tuesday, May 29, 2007; 8:30a-12:00 pm -Crown Hall

Session 3D – Environmental Aspects of Dredging I

Chair: David Padman, Port Klang Authority, Malaysia

- 8.30a-9.00 am ***“Ecosystem Restoration of a Lakeside Wetland at Erhai”*** - Zhang Qing Bo, Lu Xinhua, and Zhou Hai, Shanghai Waterway Investigation Design and Research Institute, China
- 9.00a-9.30 am ***“Maritime Forest Ridge and Mitigation Area, Port Fourchon, Louisiana”*** - Don Wadleigh, 3-5-4-5 Consulting, Inc.; Richard DeMay, Norris State University; Ted Falgout, Greater Lafourche Port Commission, USA
- 9.30a-10.00 am ***“Defining and Assessing Benthic Recovery Following Dredging and Dredged Material Disposal”*** - Dara Wilber, Bowhead Information Technology Services; Douglas Clarke, U.S. Army Corps of Engineers, USA
- 10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 10.30a-11.00 am ***“Assessment of Potential Impacts of Bucket Dredging Plumes on Walleye Spawning Habitat in Maumee Bay, Ohio”*** - Kevin Reine and Douglas Clarke, U.S. Army Corps of Engineers; Charles Dickerson, Bowhead Information Technology Services; Scott Prickard, U.S. Army Corps of Engineers, USA
- 11.00a-11.30 am ***“Building with Nature: Creating Sustainable Solutions for Marine and Inland Water Constructions–New Research Initiative Towards a Centre of Excellence”*** - Gerard van Raalte, Boskalis/Hydrodynamic bv; Wouter Dirks, Van Oord Dredging and Marine Contractors bv, T. Minns, WL/Delft Hydraulics; Jan van Daltsen, IMARES; Paul Erfteemeijer, WL/Delft Hydraulics; Stefan Aarninkhof, Boskalis/Hydronomic

WODCON XVIII

MAY 27 – JUNE 1, 2007

LAKE BUENA VISTA PALACE

Lake Buena Vista, Florida

BOOTH

EXHIBITOR

104 & 106	DTS
105 & 107	Cable Arm
109	Infrastructure Alternatives
110	Metso Minerals
111	Reson, Inc
113	Dredging Contractors of America
115	Tri Flo International
116 & 118	Chang Jiang Waterway Bureau
117	Julian A. McDermott Corporation
119	Weston Solutions
120	Del Tank & Filtration System
122	Bean Stuyvesant, LLC
127	Dredging & Port Construction
205 & 207	IHC Holland Merwede BV
208	HYPACK, Inc.
209	EA Engineering & Technology
210 & 212	Global Construction Company Ltd.
211	TenCate GeoTubes
213	Harvey – Lynch Inc.
215	USACE ERDC Vicksburg
216	Magotteaux
217	J. F. Brennan Company
218	EMCO Flow Systems
219	Hemisphere GPS
220 & 222	Hagler Systems
221	Elastec/American Marine, Inc
226 & 227	China Communication & Construction
223	Damen Dredging Equipment, B.V.
300 & 301	Vosta LMG
302	Wilco Marsh Buggies
304	Odom Hydrographic Systems, Inc.
305	Aquamec Ltd
306	Dredging Supply Co.
307	Applied Technology & Management
309	Anvil Attachments
311	ICAN-OPS
312	Taylor Engineering, Inc.
313 & 315	Subaqueous Services, Inc.
316 & 318	China Communication & Construction
320 & 322	China Communication & Construction

Don't Forget to Visit

WESTERN DREDGING ASSOCIATION
MAY 27 - JUNE 3, 2007
WYNDHAM PALACE RESORT & SPA
LAKE BUENA VISTA, FLORIDA

EXHIBIT HALL



EXHIBIT HALL
100 - 8X10 BOOTHS
TOTAL: 8000 SQ.FT.

FREEMAN

Event Name	WESTERN DREDGING ASSOCIATION
Event Dates	MAY 27 - JUNE 3, 2007
Event Location	WYNDHAM PALACE RESORT & SPA
Event Contact	WESTERN DREDGING ASSOCIATION
Event Phone	714-942-1111
Event Fax	714-942-1111
Event Website	www.wda.org
Event Description	WESTERN DREDGING ASSOCIATION ANNUAL MEETING & EXHIBIT

- 326 & 328 China Communication & Construction
- 317 China Communication & Construction
- 400 The Japan Work Vessel Association
- 401 Rotonics Mfg. Inc.
- 402 Moffatt & Nichol
- 404 & 406 Ellicott Dredges. LLC
- 408 Salem Republic Rubber Co.
- 410 ANAMAR Environmental Consulting
- 411 Hagglunds Drives, Inc
- 413 & 414 Int'l Association of Dredging Contractors
- 421 & 423 SNF
- 422 Virotec
- 500 & 501 World Organization of Dredging Assoc.
- 504 & 506 DHI Water & Environment
- 507 & 509 Timco Industries
- 508 International Dredging Review
- 513 & 515 CIBA Specialty Chemicals
- 514 Aqua Survey
- 516 Texas A & M
- 518 Dupont
- 520 Compass Environmental Inc.
- 612 & 614 CIBA Specialty Chemicals

the Outdoor Exhibits

by; Henriette Otter, WL/Delft Hydraulics/
University of Twente, The Netherlands

11.30a-12.00 pm ***“The Cost of Environmental Protection in Maintenance Dredging”*** - T.T. Leeser, U.S. Army Corps of Engineers, USA

12.00p-1.30 pm Lunch in the Event Center - ***Set up throughout the Exhibit Hall***

**Tuesday, May 29, 2007; 1.30-3.00 pm –Great Hall Center
Session 4A – Dredging Project Case Studies III
Chair: Steve Garbaciak Jr., ARCADIS BBL, USA**

1.30p-2.00 pm ***“The Scheldt Estuary Development Project”*** - J. Claessens, Flemish Government, ProSes2010, The Netherlands

2.00p-2.30 pm ***“Third Enlarged Program of the River Scheldt”*** - Kathleen De Wit, International Marine & Dredging Consultants; Youri Meersschaut, Flemish Government; Marc Sas, International Marine & Dredging Consultants, Belgium

2.30p-3.00 pm ***“Removing Silt in a City Using a Dredge Pipeline–A New Way of Using Water Power”***
- Shi Yong Fu, Channel Administration of Nanjing, China

3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall& Outdoors***

**Tuesday, May 29, 2007; 1:30p-3:00 pm - Great Hall North
Session 4B – Dredging Research III
Chair: Gerrit De Vries, Vuyk Engineering, The Netherlands**

1.30p-2.00 pm ***“Properties of Fluid Mud and Prevention of Sedimentation”*** - H. Nasner, R. Pieper, P. Torn, H. Kühlenkamp, University of Applied Sciences Bremen, Germany

2.00p-2.30 pm ***“Hydraulic Transport of Coarse Gravel–A Laboratory Investigation into Flow Resistance”*** - Gu Ming and Liu Ruixiang, Tianjin Waterway Bureau, China Communications Construction Group; Ni Fusheng and Xu Liqun, Hohai University, China

2.30p-3.00 pm ***“Beneficial Uses of Dead End Canal Dredging in Combination with Special Use Materials for Erosion Control”*** - Nicholas De Gennaro, Applied Technology & Management, Inc., USA

3.00p-3.30 pm

Coffee Break - Set up throughout the Exhibit Hall & Outdoors

**Tuesday, May 29, 2007; 1.30-3.00 pm --Great Hall East/West
Session 4C – WODA Environmental Commission Panel
“Addressing Environmental Issues are Key to Dredging
Project Success Stories”**

**Chair: Craig Vogt, USEPA/WODA Environmental
Commission Chair**

Speakers:

- Neville Burt CEDA, UK
- John Dobson EADA, Australia
- Bob Engler PIANC, USA
- Ancil Taylor Bean Stuyvesant, LLC, USA
- Gerard van Raalte Hydronamic/Boskalis, The Netherlands
- Axel Netzband Port Authority, Hamburg, Germany
- Anders Jensen DHI Water & Environment, Denmark
- Lindsay Cross Tampa Bay National Estuary Program, USA
- Tom Kornegay Port of Houston, USA

3.00p-3.30 pm

Coffee Break Set up throughout the Exhibit Hall & Outdoors

**Tuesday, May 29, 2007; 3:30p-5:00 pm –Great Hall Center
Session 5A – WEDA Safety Commission Panel
“U.S. Coast Guard Regulations and their Impact on Vessel
Operations in the Dredging Industry”**

Chair: Danny Wyatt, USACE

Speakers:

- “Introduction and U.S. Army Corps of Engineers Safety Manual Update” - Dan Wyatt, U.S. Army Corps of Engineers, USA
 - “Update: Proposed Inspected Vessel Rule for Tow Boats” - Dave Dolloff, Headquarters, U.S. Coast Guard, USA
 - “Implementing an Incident & Injury Free (IFF) Work Place” - JMJ Associates, LLC, USA
 - “Importance of Preserving Night Vision in Marine Operations” - Dan Wyatt, U.S. Army Corps of Engineers, USA
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**Tuesday, May 29, 2007; 3:30p-5:00 pm --Great Hall East/West
Session 5B – WEDA Environmental Commission Panel
“Innovation in Dredging through Collaboration--A Worldwide
Connection”**

**Chair: Craig Vogt, USEPA and Philip Spadaro, ARCADIS
BBL**

Speakers:

- Elaine Lew NY Shipping Association, USA
- C.Dolmans IADC, The Netherlands
- David Padman Port Klang Authority, Malaysia
- Marsha Cohen Terra et Aqua, The Netherlands

Wednesday, May 30, 2007

- All Day Speaker Ready Room – *Coventry Lobby Board Room*
- 6:30a-5:00 pm WODCON Registration – *Great Hall Booth*
- 6:30a-8:30 am Breakfast in Event Center - *Set up throughout the Exhibit Hall*
- 6:30a-12.00 pm Exhibit Hall Open - *Event Center*
- 8:30a-12.00 pm **Concurrent Technical Sessions**
Session 6A – Survey and Positioning Equipment--Great Hall East/West
Session 6B – Passaic River Sediment Remediation- Great Hall North
Session 6C – Dredging Research IV –Great Hall Center
Session 6D – Environmental Aspects of Dredging II -Crown Hall
- 12:00p-5:00 pm **Port of Tampa Tour** –*Meet at WODCON Great Hall Booth*
- 12:00p-5.00 pm **Free Time**
Tuesday’s Dinner Show will only accommodate 300 people; therefore, a Second show may be held on Wednesday if required.

Wednesday, May 30, 2007; 8:30a-12:00 pm -Great Hall East/West Session 6A – Survey and Positioning Equipment Chair: Ancil Taylor, Bean Environmental, LLC

- 8.30a-9.00 am **“Modern Positioning System Provides for an Inexpensive Mattress - Laying Vessel at the Venice Surge Barrier”** – M.O. Winkelman, A.H. Mulder, and D. Tenwolde, Damen Dredging Equipment, The Netherlands
- 9.00a-9.30 am **“Bathymetric Survey, Beluga, with Real-time Processing Capacity – Combined Use of GPS and Narrow Multibeam Sounder”** - Tatsuya Mizukawa, Toa Corporation, Japan
- 9.30a-10.00 am **“Monitoring and Dredging Technology in Muddy Layers”** - Rewert W. Wurpts and Norbert Greiser, SMC Sediment Management Consulting, Germany
- 10.00a-10.30 am *Coffee Break Set up throughout the Exhibit Hall & Outdoors*
- 10.30a-11.00 am **“The Nautical Approach, A Review for Implementation”** - W.F. Fontein, Stema Survey Services BV, The Netherlands; R.W. Byrd, Odom Hydrographic Systems, Inc., USA

11.00a-11.30 am ***“Instrumentation for Remote Control of a Dredge”*** – G.L. Cavanough, M.Kochanek, and J. Cunningham, CSIRO Division of Exploration and Mining, QCAT; Simon Prebble, Consolidated Rutile Limited, Australia

11.30a-12.00 pm ***“Applications of GPS for Maritime Construction Work in Japan and Further Plans”*** - Junichi Akizono and Yoshikuni Okayama, Maritime GPS Promoting Solutions, Japan

**Wednesday, May 30, 2007; 8:30a-12:00 pm - Great Hall North
Session 6B – Passaic River Sediment Remediation
Chair: Scott Thompson, Malcolm Pirnie, Inc., USA**

8.30a-9.00 am ***“Passaic River Sediment Remediation Project: Overview and Goals”*** - Scott Thompson, Malcolm Pirnie, Inc., USA

9.00a-9.30 am ***“Focused Feasibility Study for Passaic River Sediments: Identifying Opportunities for Early Action”*** - Liam Bossi, Scott E. Thompson, R. Bruce Fidler, Daria Navon, and Thalia Loor, Malcolm Pirnie, Inc., USA

9.30a-10.00 am ***“Environmental Dredging Pilot Study in the Lower Passaic River: Updated Results”*** - Serkan Mahmutoglu, Earth Tech, Inc.; Lisa A. Baron, New Jersey Department of Transportation; Robert Chant, Rutgers University; Timothy P. Wilson, U.S. Geological Survey; Edward Garvey, Malcolm Pirnie, Inc.; Allen Burton and Sameer Ahsan, Earth Tech, Inc., USA

10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***

10.30a-11.00 am ***“Interpreting the Process and Results of the Lower Passaic River Pilot Dredging Study”*** - R. Romagnoli, J. Schiller, and J. Bryz-Gornia, ARCADIS BBL, USA

11.00a-11.30 am ***“The Interplay of Dredging and Discharges: A Conceptual Model of Contamination in the Lower Passaic River”*** - Edward A. Garvey, AmyMarie Accardi-Dey, Juliana Atmadja, Solomon Gbondo-Tugbawa, Shane McDonald and Erika Zamek, Malcolm Pirnie, Inc., USA

11.30a-12.00 pm ***Panel Discussion: “The Implications of Passaic River Pilot Program on Alternatives Evaluation and Remedy Selection”***

**Wednesday, May 30, 2007; 8:30a-12:00 pm –Great Hall Center
Session 6C – Dredging Research IV**

Chair: Jan Korsgaard, Danish Coastal Authority, Denmark

- 8.30a-9.00 am ***“Research on Diffusion Prevention Technology with Environmental Cutter in Dredging Fine-Grained Sediment”*** - Jing Ming Zhang and Qing Bo Zhang, Shanghai Waterway Design and Consulting Co., Ltd., China
- 9.00a-9.30 am ***“The Design of Anchor Elevation Platforms for Cutter Suction Dredge D’Artagnan –Last men standing”*** - G.A.P.L.Teheux and M. Lambalk, VOSTA LMG, The Netherlands
- 9.30a-10.00 am ***“Third Generation Rock Cutting System – From First Ideas to a Working Product”*** – K. Wijma, VOSTA LMG, The Netherlands
- 10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 10.30a-11.00 am ***“The Application of a Production Optimization System for a Cutter Suction Dredger”*** - Tian Jun-feng, China Communications Construction Group Co., Ltd. Ding Shu-you, Tianjin Dredging Company, China
- 11.00a-11.30 am ***“The Impact of a Decade of Intense Research on the Efficiency of a TSHD”***
- Ruud Ouwerkerk, Dredge Technology Corporation, USA; Arie de Jager and Caspar Kramers, IHC Holland Dredgers BV; Sergio Ooyens, MTI Holland BV, The Netherlands
- 11.30a-12.00 pm ***“Initial Experiments and Data Acquisition for the Model Dredge Carriage”*** – J. Henriksen and R. Randall, Texas A&M University; P. deJong and S. Sonye, Digital Automation and Control System, Inc., USA
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**Wednesday, May 30, 2007; 8:30a-12:00 pm -Crown Hall
Session 6D – Environmental Aspects of Dredging II**

Chair: Tom Wang, Anchor Environmental, LLC, USA

- 8.30a-9.00 am ***“Environmentally-Friendly Dredging in the Bisan-Seto Shipping Route”*** - Seiki Takano, The Ministry of Land, Japan; Kazuhiro Someya, Hidetoshi Nishina, Ryoichi Takao,

	Shinji Yamato, and Yuji Inoue, Tomac Corporation, Japan
9.00a-9.30 am	<i>“Development of the Tidal Flat and Eelgrass (AMAMO) Field Creation System with the Effective Use of the Dredged Cohesive Material”</i> - Tsutomu Inada, Kazuhiro Tsurugasaki, Tsuyoshi Kanazawa, and Shintaro Baba, Toyo Construction Co., Ltd., Japan
9.30a-10.00 am	<i>“Dredging and Material Relocation in Sensitive Coral Environments”</i> - Adam Smith, Great Barrier Reef Marine Park Authority, Australia; Tom Forster and Emily Corcoran, DHI Water and Environment, Singapore; James Monkivitch, Great Barrier Reef Marine Park Authority, Australia
10.00a-10.30 am	<i>Coffee Break Set up throughout the Exhibit Hall & Outdoors</i>
10.30a-11.00 am	<i>“Management of Environmental Issues Related to Capital Dredging Works at Port Klang, Malaysia”</i> – Rajoo Addakann, Inai Kiara Sendirian Berhad, Malaysia
11.00a-11.30 am	<i>“Environmental Monitoring and Management of Reclamation Works Close to Sensitive Habitats”</i> – S.M. Doorn-Groen and T.M. Foster, DHI Water & Environment (S) Pte. Ltd., Singapore
12.00p-5.00 pm	Tours/Free Time

Thursday, May 31, 2007

All Day	Speaker Ready Room – <i>Coventry Lobby Board Room</i>
6:30a-5:00 pm	WODCON Registration – <i>Great Hall Booth</i>
6:30a-8:30 am	Breakfast in Event Center- <i>Set up throughout the Exhibit Hall</i>
6:30a-5:00 pm	Exhibit Hall Open – <i>Event Center</i>
8:30a-12.00 pm	Concurrent Technical Sessions <i>Session 7A – Dredging Equipment I</i> <i>-Great Hall East/West</i> <i>Session 7B – Commencement Bay Sediment Remediation- Great Hall North</i> <i>Session 7C – Dredging and Resuspension</i> <i>–Great Hall Center</i>
12.00p-1:30 pm	Lunch in the Event Center- <i>Set up throughout the Exhibit Hall</i>

- 12:00p-1:30 pm WEDA Board of Directors Luncheon
–*Senate Gallery*
- 1:30p-5:00 pm **Concurrent Technical Sessions**
Session 8A – Dredging Equipment II
–*Great Hall East/West*
Session 8B – Physical and Numerical
Modeling –Crown Hall
Session 8C – Dredging Project Case
Studies IV –Great Hall Center
- 3:00p-3:30 pm Coffee Break [Ice Cream Social], - *Set up*
throughout Exhibit Hall
- 7:00p-10:00 pm Congress Dinner –*Great Hall North*

Thursday, May 31, 2007; 8:30a-12:00 pm --Great Hall East/West
Session 7A – Dredging Equipment I
Chair: Mike Palermo, Consultant, USA

- 8.30a-9.00 am *“An Innovative Trailing Suction Hopper
Dredger with Aft-Center Drag System with a
Wide Span Drag-Head”* – Shogo Miyajima,
Chubu Regional Bureau of the Ministry
of Land, Infrastructure and Transport;
Kaoru Kamachi, MEC Engineering Service
Co., Ltd.; Shuho Yano, Mitsubishi Heavy
Industries, Ltd.; Tsuyoshi Nomura, Japan
Work-Vessel Association, Japan
- 9.00a-9.30 am *“Modular Approach in Cutter Suction
Dredge Design”* - J.M. van Helden, IHC
Holland Engineering & Renovation BV, The
Netherlands
- 9.30a-10.00 am *“New Pump Types Further Optimizing a
Dredger’s Profitability”* - P.M. Verduijnsse,
MTI Holland BV; H. Bugdayci, IHC Holland
Parts and Services BV, The Netherlands
- 10.00a-10.30 am *Coffee Break Set up throughout the Exhibit
Hall & Outdoors*
- 10.30a-11.00 am *“Oil-Saving and Dredging –Pursuing
Maximization of Benefits”* - Shao Qunsheng
and Yang Bo, Shandong Water Conservancy,
China
- 11.00a-11.30 am *“Variable Speed Transmission Gearbox, The
Solution for Your Dynamic Drive Problems”*
- C.H. van den Berg, MTI Holland BV; L.J.M.
Claassen, IHC Holland Parts & Services BV;
R.A. Krait, MTI Holland BV, The Netherlands
- 12.00p-1.30 pm *Lunch in Event Center- Set up throughout
the Exhibit Hall*

**Thursday, May 31, 2007; 8:30a-12:00 pm- Great Hall North
Session 7B – Commencement Bay Sediment Remediation
Chair: Paul Fuglevand, Dalton, Olmsted & Fuglevand, USA**

- 8.30a-9.00 am ***“An Overview of Sediment Remediation Initiatives in Commencement Bay”***
–Jonathan Williams, U.S. Environmental Protection Agency, USA
- 9.00a-9.30 am ***“Commencement Bay Case Studies of Environmental Dredging Residuals”*** - Clay Patmont and Tom Wang, Anchor Environmental, LLC, USA
- 9.30a-10.00 am ***“Head of Hylebos – Adaptive Management During Sediment Remediation”*** - Paul Fuglevand and Robert Webb, Dalton, Olmsted & Fuglevand, Inc. USA
- 10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 10.30a-11.00 am ***“Incorporating Aquatic Habitat Restoration/ Mitigation Into Dredging Projects”*** - G.B. Grette and M.E. Boyle, Grette Associates, USA
- 11.00a-11.30 am ***“Rail Shipment and Landfill Disposal of Dredged Sediments for the Head of the Hylebos Project in Commencement Bay”***
- Elisa Webb, Webb Consulting, LLC; Pete Keller, Allied Waste, Inc., USA
- 11.30a-12.00 pm ***“Recontamination of Waterway Cap, Thea Foss Waterway, Tacoma, Washington”*** - Matt Dalton, Dalton, Olmsted & Fuglevand, Inc., USA
- 12.00p-1.30 pm ***Lunch in Event Center- Set up throughout the Exhibit Hall***
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**Thursday, May 31, 2007; 8:30a-12:00 pm –Great Hall Center
Session 7C – Dredging and Resuspension
Chair: Doug Clarke, U.S. Army Engineer Research & Development Center, USA**

- 8.30a-9.00 am ***“Suspended Sediment Plumes Associated with Navigation Dredging in the Arthur Kill Waterway, New Jersey”*** - D. Clarke and K. Reine, U.S. Corps of Engineers; C. Dickerson, Bowhead Information Technology Services; S. Zappala, HDR/LMS; R. Pinzon and J. Gallo, U.S. Army Corps of Engineers, USA
- 9.00a-9.30 am ***“Preliminary Assessment of Sediment Resuspension by Ship Traffic in Newark***

Bay, New Jersey” - D. Clarke, U.S. Army Corps of Engineers; C. Dickerson, Bowhead Information Technology Services; K. Reine, U.S. Army Corps of Engineers; S. Zappala, HDR/LMS; R. Pinzon and J. Gallo, U.S. Army Corps of Engineers, USA

- 9.30a-10.00 am ***“Measurement of Sediment Release from a Grab Dredge in the River Tees, UK, for the Calibration of Turbidity Prediction Software”*** - Neville Burt, HR Wallingford, Ltd., UK; John Land, Dredging Research, Ltd., UK; Hans Otten, Rijkswaterstaat, The Netherlands
- 10.00a-10.30 am ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 10.30a-11.00 am ***“Process-based Estimation of Sediment Resuspension Losses During Bucket Dredging”*** - Donald F. Hayes, University of Louisiana at Lafayette, ; Thomas D. Borrowman and Paul R. Schroeder, U.S. Army Engineer Research and Development Center, USA
- 11.00a-11.30 am ***“Acoustic Determination of Loss Terms for Mechanical Dredging Operations at Providence, RI, USA”*** - John Land, Dredging Research Ltd., UK; Douglas Clarke and Kevin Reine, U.S. Army Engineer Research and Development Center; Charles Dickerson, Bowhead Information Technology Services, USA
- 11.30a-12.00 pm ***“Modeling the Ultimate Transport and Fate of Dredge-Induced Suspended Sediment Transport and Deposition”*** - J.C. Swanson, T. Isaji, and C. Galagan, Applied Science Associates, Inc., USA
- 12.00p-1.30 pm ***Lunch in Event Center- Set up throughout the Exhibit Hall***

**Thursday, May 31, 2007; 1:30p-5:00 pm --Great Hall East/West
Session 8A – Dredging Equipment II**

Chair: Greg Hartman, Dalton Olmstead Fuglevand, Inc., USA

- 1.30p-2.00 pm ***“Modification of Dredgers, A Crazy Idea or Not?”*** – G. de Vries, Vuyk Engineering Rotterdam B.V., The Netherlands
- 2.00p-2.30 pm ***“Model Predictive Control for Optimizing the Overall Dredging Performance of a Trailing Suction Hopper Dredger”*** - J. Braaksma, R. Babuška, J.B. Klaassens, Delft

University of Technology; C. de Keizer, IHC Systems, The Netherlands

- 2.30p-3.00 pm ***“Evaluation of Dredging Performance in a Trailing Suction Hopper Dredger”*** - D. Wangli, J. Braaksma, R. Babuška, and, J.B. Klaassens, Delft University of Technology; C. de Keizer, IHC Systems, The Netherlands
- 3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall & Outdoors***
- 3.30p-4.00 pm ***“Latest Developments in VOSTA LMG Suction Systems”*** – K. Johannsen and M. Rother, VOSTA LMG, Germany
- 4.00p-4.30 pm ***“Dredge William A. Thompson Replacement Project”*** - Marc F. Krumholz, U.S. Army Corps of Engineers, USA
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Thursday, May 31, 2007; 1:30p-5:00 pm -Crown Hall

Session 8B – Physical and Numerical Modeling

Chair: Don Hayes, University of Louisiana, USA

- 1.30p-2.00 pm ***“Hydrodynamic and Sediment Transport Modeling for a New Container Terminal”***
- Matt Goodrich and Jack Ellis, Applied Technology & Management, Inc., USA
- 2.00p-2.30 pm ***“Harbor-Entrainment Due to Complex Tidal Flow Patterns”*** - Andreas Wurpts, Darmstadt University of Technology, Germany
- 2.30p-3.00 pm ***“Analysis of Fluorescent Sediment Tracer for Evaluating Nearshore Placement of Dredged Material”*** - S.J. Smith, U.S. Army Corps of Engineers; J. Marsh, Environmental Tracing Systems Ltd., UK; T. Puckette, Evans-Hamilton Inc., USA
- 3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall***
- 3.30p-4.00 pm ***“Application of the Particle Tracking Model to Predict Far-Field Fate of Sediment Suspended by Nearshore Dredging and Placement at Brunswick, GA”*** - Joseph Z. Gailani, Tahirih C. Lackey, and S. Jarrell Smith, U.S. Army Research and Development Center, USA
- 4.00p-4.30 pm ***“A Model Calculation for Flow Resistance in the Hydraulic Transport of Sand”*** - Ni Fusheng, Zhao Lijuan, and Xu Liqun, Hohai University, China; W.J. Vlasblom, Delft University of Technology, The Netherlands

**Thursday, May 31, 2007; 1:30p-5:00 pm –Great Hall Center
Session 8C – Dredging Project Case Studies V
Chair: Neville Burt, HR Wallingford, U.K.**

- 1.30p-2.00 pm ***“Rowing Line Dredging for Pan American Games 2007 Rio de Janeiro – Brazil”*** –C. Mesquita, M. Batalha, Dratec Engenharia; C. Mesquita, Autonomous Consultant; F. Batalha, Dratec Engenharia; F. Soares, FEEMA, Brazil
- 2.00p-2.30 pm ***“Development and Simulation of a Flywheel-Based Energy Storage System on a Clamshell Dredge”*** – H.J. de Jong and K.R. Williams , KRW Technologies, Inc., USA
- 2.30p-3.00 pm ***“Polyelectrolyte Use in the Dredging Industry: Safety Aspects and Environmental Benefits”*** - Dennis E. Marroni, SNF, France
- 3.00p-3.30 pm ***Coffee Break Set up throughout the Exhibit Hall& Outdoors***
- 3.30p-4.00 pm ***“Effects of Agitation Dredging in Savannah Harbor”*** - Francis Way, Christopher P. Ahern, Robert Semmes, and Matt Goodrick, Applied Technology & Management, USA
- 4.00p-4.30 pm ***“Permitting A Marine Container Terminal on the Former Charleston Naval Station”*** - Jack M. Ellis and K.F. Ziober, Applied Technology & Management, Inc., USA
- 4.30p-5.00 pm ***“Production Engineering Development of a Dredging Engineering Discipline”*** - Kyle D. Johnson and Robert C. Ramsdell , Great Lakes Dredge & Dock Company, USA
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Friday, June 1, 2007

- Until Noon Speaker Ready Room – ***Coventry Lobby Board Room***
- 6:30a-12:00 pm WODCON Registration – ***Great Hall Booth***
- 6:30a-8:30 am Breakfast in Event Center- ***Set up throughout the Exhibit Hall***
- 6:30a-10:30 am Exhibit Hall Open – ***Event Center***
- 10:30a-1.30 pm Exhibit Hall Tear Down
- 8:30a-12:00 pm **Concurrent Technical Sessions**
Session 9A – Sediment Dewatering, Treatment & Disposal -Great Hall East/West
Session 9B – SLRIDT Site Remedial Dredging and Capping –Great Hall Center
- 12:00-12:45 pm **Closing Ceremonies –Great Hall North**

**Friday, June 1, 2007; 8:30a-12:00 pm –Great Hall East/West
Session 9A – Sediment Dewatering, Treatment and Disposal
Chair: H.D. Detzner, Hamburg Port Authority, Germany**

- 8.30a-9.00 am ***“A Description of Sediment Dewatering Methods”*** - Matthew Englis and Dewey H. Hunter, Ciba Specialty Chemicals Corporation, USA
- 9.00a-9.30 am ***“Use of Geotube® Dewatering Containers in Environmental Dredging”*** – B.J. Mastin and G.E. Lebster, WaterSolve, LLC., USA
- 9.30a-10.00 am ***“Processing Contaminated Sediment From the Miami River”*** – H.W. van Dam and R. Dielhof, Boskalis Dolman, The Netherlands
- 10.00a-10.30 am *Coffee Break Set up throughout the Exhibit Hall & Outdoors*
- 10.30a-11.00 am ***“Metal Binding, Acid Neutralization and Minimization of Sulfide Oxidation in Dredge Spoil Material using ViroSoil™ Technology”***
- Jim V. Rouse, Virotec USA; David McConchie and Malcom Clark, Southern Cross University; Simon Tillotson, ERM Ltd.; Daniel Blair, Virotech Global Solutions, USA
- 11.00a-11.30 am ***“Continuous Dewatering System for Dredged Sediment with High Water Content”*** - Takashi Oida, Penta-Ocean Construction Co., Ltd., Japan
- 11.30a-12.00 pm ***“An Innovative and Sustainable Solution for Sediment Disposal Problems”*** – S. Foged, L. Duerinckx, and J. Vandekeybus, MWH, Belgium
-

**Friday, June 1, 2007; 8:30a-12:00 pm –Great Hall Center
Session 9B – St. Louis River/Interlake/Duluth Tar Site
Remediation I
Chair: Mike Costello, Service Engineering, USA**

- 8.30a-9.00 am ***“The Role of Construction Quality Assurance (CQA) in Sediment Remediation”***
- E.P. Hedblom, G.M. Partch, M.J. Costello, SERVICE Engineering Group, USA
- 9.00a-9.30 am ***“Environmental Applications for Sub-Surface Dredging (SSD)”*** - Johan G.S. Pennekamp, WL/Delft, Delft, The Netherlands; Michael Costello, Luca Sittoni, and Timothy Wagner, SERVICE Engineering Group, USA
- 9.30a-10.00 am ***“St. Louis River/Interlake/Duluth Tar Site Remediation Sediment Operable Unit–2006***

Sand Cap/Surcharge Project–Duluth, Minnesota” - Brian Bell and Tim Tracy, Envirocon, Inc., USA

- 10.00a-10.30 am ***Coffee Break in Event Center - Set up throughout the Exhibit Hall***
- 10.30a-11.00 am ***“Construction of a Contained Aquatic Disposal Facility End Dike - Contractor’s Perspective”*** – T. Smith, Marine Tech, LLC, USA
- 11.00a-11.30 am ***“Dredged Material Placement Under Non-Segregating Conditions”*** – W.G.M. Van Kesteren, A.M. Talmon, and Joh. G.S. Pennekamp, WL/Delft Hydraulics, The Netherlands; Michael Costello and William Flynn, Service Engineering Group, USA
- 11.30a-12.00 pm ***“Construction Management of the Saint Louis River/Interlake/Duluth Tar Remediation Project, Sediment OU, Duluth, Minnesota”*** - Stuart H. Russell, Hard Hat Services, USA
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Friday, June 1, 2007; 12.00-12.45 pm- Great Hall North Closing Ceremonies

- 12.00p-12.10 pm Closing Remarks – WODA President
- 12.10p-12.25 pm Best Paper Awards (DCA/WEDA/IADC)
- 12.25p-12.40 pm Door Prize Awards
- 12.45 pm Adjourn Meeting

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