

WODCON XVIII DRAFT PROGRAM

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

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WORLD DREDGING CONGRESS (WODCON XVIII)

"GLOBAL DREDGING: IT'S IMPACT ON THE ECONOMY & THE ENVIRONMENT"

DRAFT PROGRAM

Sunday, May 27, 2007

7:00am-5:00pm Registration & Exhibitor Set Up
9:30am-5:00pm Golf Tournament at Disney World's Palm Golf Course
8:15am-4:00pm Kennedy Space Center Tour & lunch with an Astronaut
7:00pm-10:00pm Icebreaker with entertainment in Exhibit Hall

Monday, May 28, 2007

6:30-8:30am Breakfast in Exhibit Hall
6:30am-5:00pm Exhibit Hall Open
7:30-10:00am Spouses Breakfast
8:30-10:00am **Opening Ceremonies**
Keynote Speaker, Mr. Richard Wainio, Port of Tampa CEO/Director
Colonel Paul L. Grosskruger, Jacksonville USACE District Commander
7:00-10:00am Spouse's Tour
10:00-10:30am Coffee Break
10:30am-12:00pm **Concurrent Technical Sessions**
Session 1A - Dredging Project Case Studies I
Session 1B - Beneficial Uses of Dredging I
Session 1C - Dredging Research I
Session 1D - Sediment Management I
12:00-1:30pm Lunch in the Exhibit Hall
12:00-1:30pm WEDA Board of Directors Luncheon
3:00-3:30pm Coffee Break
1:30-5:00pm **Concurrent Technical Sessions**
Session 2A - Dredging Project Case Studies II
Session 2B - Beneficial Uses of Dredging II
Session 2C - Dredging Research II
Session 2D - Sediment Management II
7:00-8:00pm WODA Board of Directors Dinner

Monday, May 28, 2007; 10.30am-12.00pm
Session 1A – Dredging Project Case Studies I
Chair:

- 10.30-11.00am *“Tender Construction of the CDF Hollandsch Diep”* - L. Teulings, B. van Dijk & W. van der Sluijs, Ministry of Transport, The Netherlands.
- 11.00-11.30am *“From Dry Heavy Minerals Mining to a Wet Dredge Mining Operation: A Successful Story in Brazil”* - W. Herchenhorn, IHC of Brazil; H. van Muijen, MTI Holland; R. Ouwerkerk, M. Boor, C.J. Verkaik, J.W. de Wit, IHC, Brazil.
- 11.30am-12.00pm *“In-the-Dry Dredging of Riverine CKD Sediments in Cold-Weather Conditions: A Case Study”* – Michael J. Erickson and Matthew M. Bowman, ARCADIS BBL; Gary Loveland, Terra Contracting; Patrick K. Radigan, New NGC, Inc., USA.
- 12.00-1.30pm *Lunch*

Monday, May 28, 2007; 10.30am-12.00pm
Session 1B – Beneficial Uses of Dredging I
Chair:

- 10.30-11.00am *“New Practical Solution for Effective use of Dredged Materials”* - Katsauaki Kawabe, Shinko Construction Co., Ltd., Japan.
- 11.00-11.30am *“Beneficial Uses of Dead End Canal Dredging in Combination with Special Use Materials for Erosion Control”* – Nicholas De Gennaro, Applied Technology & Management, Inc., USA.
- 11.30am-12.00pm *“Closure Concepts for Hart-Miller Island Dredged Material Containment Facility”*- Norman Francingues, Ronald Vann, OA Systems Corporation; Craig Huntley, Moffatt & Nichol; Frank Hamons, Maryland Port Administration, USA.
- 12.00-1.30pm *Lunch*

Monday, May 28, 2007; 10.30am-12.00pm
Session 1C – Dredging Research I
Chair:

- 10.30-11.00am *“A Sensitivity Analysis of the Effects of Dimensions and Geometry of Trailing Suction Hopper Dredges”* – Dr.ir. S.A. Miedema and Prof. W.J. Vlasblom, Delft University of Technology, The Netherlands.
- 11.00-11.30am *“Dredging Knowledge Base Expert System”* - Derek Wilson, U.S. Army Corps of Engineers, USA.

11.30am-12.00pm ***“CEDA/IADC Guidelines on Environmental Aspects of Dredging”*** – Anna Csiti, CEDA, The Netherlands.

12.00-1.30pm Lunch

Monday, May 28, 2007; 10.30am-12.00pm

Session 1D – Sediment Management I

Chair:

10.30-11.00am ***“Managing Sediments in the Watershed: Linking Dredged Material and Watershed Planning”*** - Craig Vogt and Molly Madden, United States Environmental Protection Agency, USA.

11.00-11.30am ***“An Update on In-Situ Sediment Treatment Research”*** – Donald Hayes, University of Louisiana, USA.

11.30am-12.00pm ***“Update: SedNet Round Table Event on River Basin Sediment Management in Europe”*** – Axel Netzband, Port of Hamburg, Germany.

12.00-1.30pm Lunch

Monday, May 28, 2007; 1.30-5.00pm

Session 2A – Dredging Project Case Studies II

Chair:

1.30-2.00pm ***“Global Dredging: Its Impact on the Economy”*** - Thomas Schattling, VOSTA LMG, Germany.

2.00-2.30pm ***“Dredging a New Harbour Site in the Port of Rotterdam”*** - Wim.Zwakhals, Jannis Gossije, Port of Rotterdam, The Netherlands.

2.30-3.00pm ***“Waterway Dredging Works in China -Geological Exploration Methods and Technical Requirements for Prospecting ”*** - Cai Dafu, Changjiang Waterway Institute of Planning, Design and Research, China.

3.00-3.30pm Coffee Break

3.30-4.00pm ***“Targeted Dredging of Near-Shore Debris and Sediment: Upper Trenton Channel, Detroit River: A Case Study”*** – Michael J. Erickson, Ram K. Mohan, Walter J. Dinicola, and Mathew R. Henderson, ARCADIS BBL,USA.

4.00-4.30pm ***“Dredging process for the East Waterway of the Lianhauashan in the Pearl River”*** - Tan Xiaolin and Fang Choujun, Guangzhou Dredging Company, China.

4.30-5.00pm ***“Updates in Environmental Permitting Requirements for Disposal of Dredged Material”*** - Nadia Lombardero, ANAMAR Environmental Consulting, Inc., USA.

Monday, May 28, 2007; 1.30-5.00pm

Session 2B – Beneficial Uses of Dredging II

Chair:

1.30-2.00pm ***“General Guidelines for Good Quality Artificial Beaches and Case Stories”*** – Karsten Mangor, DHI Water & Environment, Denmark.

2.00-2.30pm ***“Dunes: The Netherlands Soft but Secure Sea Defences”*** - Hans Otten, Jan Mulder, Ministry of Transport, Public Works and Water Management; Mark van Koningsveld, Delft University of Technology. The Netherlands.

2.30-3.00pm ***“Beach Nourishment by Rainbowing for the Visakhapatnam Port Trust”*** – Capt MVR Murthy, Dredging Corporation of India, Ltd., Visakhapatnam, India.

3.00-3.30pm *Coffee Break*

3.30-4.00pm ***“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.

4.00-4.30pm ***“A Scenario of Beneficial Uses of Material from Maintenance Dredging at Yangshan Port”*** - Xu Yuan, Shanghai Waterway Investigation, Design and Research Institute, China.

4.30-5.00pm ***“A Greenfield Project in India”*** - Jan Zandbergen, IHC, The Netherlands; Vinod George, Mundra (Adani) Port, India.

Monday, May 28, 2007; 1.30-5.00pm

Session 2C – Dredging Research II

Chair:

1.30-2.00pm ***“Technical Research on the Precise Dredging of Contaminated Sediment”*** – Li Jingui, Li Jinjun, Yang Jinahua, Ding Shuyou, China.

2.00-2.30pm ***“Management Information System for Dredger Equipment”*** - Cao Xiang-bo, Liu Nian-jun, Zhou Jin-ju, Mao Wei-yi et al, Guangzhou Dredging Company; Zeng Yan, Guangzhou Zhengtai Data Ltd, China.

2.30-3.00pm ***“An Overview of Drag Embedded Anchor Holding Capacity for Dredging and Offshore Applications”*** – S.A. Miedema and G. Lagers, Delft University of Technology, The Netherlands.

- 3.00-3.30pm *Coffee Break*
- 3.30-4.00pm **“Development and Testing of Glenn Edwards Dredge Pumps”** – Lee Whitlock and Bob Visintainer, GIW Industries, Inc.; Bob Hagler, Hagler Systems, Inc.; Henry Schorr, Manson Construction Company, USA.
- 4.00-4.30pm **“Enterprise Dredge (eDredge) Application”** - Linda Lillycrop and Rose Dopsovic, U.S. Army Corps of Engineers, USA.
- 4.30-5.00pm **“Night Vision and Nighttime Lighting for Mariners”** - Anita Rothblum, U.S. Coast Guard; Dan Wyatt, U.S. Army Corps of Engineers, USA.

Monday, May 28, 2007; 1.30-5.00pm
Session 2D – Sediment Management II
Chair:

- 1.30-2.00pm **“Management of Contaminated Sediment in the Venice Lagoon”** – Roberto Casarin, Paola Cossetini, Emanuele Zanotto, Commissario Delegato per l'emergenza socio- economico, Venice, Italy.
- 2.00-2.30pm **“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.
- 2.30-3.00pm **“Specifying and Verifying Construction Performance for Remedial Capping - A Case Study from San Diego Bay”** – Michael Whelan, Ed Berschinski, Tom Wang and John Verduin, Anchor Environmental, LLC; Mahmoud Akhavain, San Diego Unified Port District, USA.
- 3.00-3.30pm *Coffee Break*
- 3.30-4.00pm **“The Evolution of Subaqueous Cap Design”** - Michael Palermo, Mike Palermo Consulting, Inc.; Danny Reible, University of Texas, USA.
- 4.00-4.30pm **“Embracing a New Era with Win-Win Cooperation”** - Chen Yun, China Communications Construction Group, China.
- 4.30-5.00pm **“The Integration of Coastal Dredging, Beach Nourishment, and Shoreline Protection Activities with North American Coastal Bird Conservation”** – Richard Fischer and Michael Guilfoyle, U.S. Army Engineer R&D Center, USA.
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Tuesday May 29, 2007

6:30am-5:00pm	Exhibit Hall Open
7:30-10:00am	Spouses Breakfast
7:00-8.30am	Plenary Breakfast – The Construction of Palm Islands, Dubai – (Speaker, TBD), Van Oord, The Netherlands
8:30am-12:00pm	Concurrent Technical Sessions <i>Session 3A - Dredging Project Case Studies III</i> <i>Session 3B – Poplar Island Environmental Restoration Project</i> <i>Session 3C – USACE ERDC Research Initiatives</i> <i>Session 3D – Dredging and Ecosystems</i>
10.00-10.30am	Coffee Break
1200-1:30pm	Lunch in the Exhibit Hall
1200-1:30pm	WODA Board of Directors Luncheon
1:30-3:00pm	Concurrent Technical Sessions <i>Session 4A - Dredging Project Case Studies IV</i> <i>Session 4B - Dredging Research III</i> <i>Session 4C – WODA Environmental Commission Panel</i>
3.00-3.30pm	Coffee Break
3:30-5:00pm	Concurrent Technical Sessions <i>Session 5A – Beneficial Uses of Dredging III</i> <i>Session 5B – WEDA Safety Commission Panel</i> <i>Session 5C – WEDA Environmental Commission Panel</i>
5:00-6:00pm	WODA General Membership Meeting
6:00-10:00pm	Guest Speaker, Honorable John Paul Woodley Jr Assistant Secretary of the Army, For Civil Works Followed by: Sleuth’s Mystery Dinner Show

Tuesday, May 29, 2007; 8.30am-12.00pm

Session 3A – Dredging Project Case Studies III

Chair:

8.30-9.00am	“Dredging in the Panama Canal – Past, Present and Future” – Capt. Peter Marotta, Panama Canal Authority, Panama.
9.00-9.30am	“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.
9.30-10.00am	“Modern Dredge Simulators & Training - Means to get a Dredge Crew more Efficient” - Riny Mourik, Jeroen Braadbaart, IHC Systems, The Netherlands.

- 10.00-10.30am *Coffee Break*
- 10.30-11.00am **“Water Injection Dredging in U.S. Waterways, History and Expectations”** - Derek Wilson, Timothy Welp, and James Clausner, U.S. Army Corps of Engineers, USA.
- 11.00-11.30am **“Allowable Overdepth versus Maximum Dredging Depth”** – Nancy Case O’ Bourke, P.E. and Gregory L. Hartman, DOF; Brent vonTwistern, eTrac Engineering LLC, USA
- 11.30am-12.00pm **“Cleaning up the Thea Foss Waterway – A Photographic Journey”** – Michael Lloyd and Leonard Juhnke, Manson Construction Company, USA.
- 12.00-1.30pm *Lunch*

Tuesday, May 29, 2007; 8.30am-12.00pm
Session 3B – Poplar Island Environmental Restoration Project
Chair: Frank Hamons, Maryland Port Administration, USA

- 8.30-9.00am **“Poplar Island Environmental Restoration Project: The Role of Stakeholder Partnership In Implementation”** – Frank Hamons, Maryland Port Authority; Daniel Wilson, Gahagan and Bryant, Inc, USA.
- 9.00-9.30am **“Poplar Island Environmental Restoration Project: Dike Construction and Wetland Development”** - Timothy Donegan, Steve Shaw, Dennis Urso, Gahagan and Bryant, Inc, USA.
- 9.30-10.00am **“Poplar Island Environmental Restoration Project: Coastal Engineering Design and Construction”** - Peter Kotulak, John Headland, Moffatt & Nichol, USA.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am **“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, Jeffrey McKee, U.S. Army Corps of Engineers, USA.
- 11.00-11.30am **“Poplar Island Environmental Restoration Project: Environmental Monitoring and the Role of Consensus Building”** - Jennifer Harlan and Melissa Slatnick, Maryland Environmental Service; Peggy Derrick, EA Engineering, Science, and Technology, Inc., USA.

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

12.00-1.30pm *Lunch*

Tuesday, May 29, 2007; 8.30am-12.00pm

Session 3C – USACE ERDC Research Initiatives

Chair: Todd Bridges and Edmond Russo, USACE ERDC, USA

8.30-9.00am ***“Dredging Research and Technology Transfer as a Strategic Enabler to the US Navigation Mission”*** - Todd Bridges and Edmond Russo, Jr., U.S. Army Corps of Engineers, USA.

9.00-9.30am ***“Environmental Protection - Effectiveness of Relocation Trawling in Mitigating Incidental Take by Hopper Dredges”*** - Dena Dickerson, U.S. Army Corps of Engineers; Monica Wolters and Craig Theriot, Bowhead Information Technology Services, Inc., USA.

9.30-10.00am ***“Risk and Uncertainty - Predicting Contaminant Exposure from Dredging Operations”*** - Paul Schroeder, Sung-Chan Kim, Carlos Ruiz, U.S. Army Corps of Engineers, USA.

10.00-10.30am *Coffee Break*

10.30-11.00am ***“Dredged Material Management - The Particle Tracking Model: Description and Processes”*** - Tahirih Lackey, U.S. Army Corps of Engineers, USA.

11.00-11.30am ***“Innovative Technologies - Automated Management of Agitation Dredging by Hopper Dredges”*** - Gary Howell, James Rosati, III, K.C. Clark, and Thomas Richardson, U.S. Army Corps of Engineers, USA.

11.30am-12.00pm ***Panel Discussion – “Current and Future Research Needs in Dredging”***

12.00-1.30 pm *Lunch*

Tuesday, May 29, 2007; 8.30am-12.00 pm

Session 3D – Environmental Aspects of Dredging I

Chair:

8.30-9.00am ***“Ecosystem Restoration of a Lakeside Wetland at Erhai”*** - Zhang Qing bo, Lu Xinhua, Zhou Hai, Shanghai Waterway Investigation Design and Research Institute, China.

9.00-9.30am ***“Maritime Forest Ridge and Mitigation Area, Port Fourchon, Louisiana”*** –

Donald Wadleigh, 3-5-4-5 Consulting, Inc., USA.

- 9.30-10.00am ***“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.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am ***“Assessment of Potential Impacts of Bucket Dredging Plumes on Walleye Spawning Habitat in Maumee Bay, Ohio”*** - Kevin Reine, Douglas Clarke, Scott Prickard, U.S. Army Corps of Engineers; Charles Dickerson, Bowhead Information Technology Services, USA.
- 11.00-11.30am ***“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; Wouter Dirks, Van Oord Dredging and Marine Contractors bv, T. Minns, WL/Delft Hydraulics; J. van Dalssen, IMARES; Paul Erftemeijer, WL/Delft Hydraulics; S.Aarninkhof, University of Twente; H. Otter, WL/Delft Hydraulics/University of Twente, The Netherlands.
- 11.30am-12.00pm ***“The Cost of Environmental Protection in Maintenance Dredging”*** - T.T. Leeser, U.S. Army Corps of Engineers, USA.
- 12.00-1.30pm *Lunch*

Tuesday, May 29, 2007; 1.30-3.00pm
Session 4A – Dredging Project Case Studies III
Chair:

- 1.30-2.00pm ***“The Scheldt Estuary Development Project”*** - J. Claessens, ProSes2010, Belgium.
- 2.00-2.30pm ***“Third Enlarged Program of the River Scheldt”*** - Kathleen De Wit and Marc Sas, IMDC; Youri Meerschaut and Dirk De Brauwer, Ministry of the Flemish Community; Harm Verbeek, RWS Zeeland, The Netherlands
- 2.30-3.00pm ***“Removing Silt in a city using a dredge pipeline-A New Way of using Water Power”*** - Shi Yong Fu, Channel Administration of Nanjing, China.
- 3.00-3.30pm *Coffee Break*

Tuesday, May 29, 2007; 1.30-3.00pm

Session 4B – Dredging Research III

Chair:

- 1.30-2.00pm ***“Properties of Fluid Mud and Prevention of Sedimentation”*** – Horst Nasner, Rainer Pieper, Patrick Torn, Harm Kühlenkamp, Institute of Hydraulic Engineering, Germany.
- 2.00-2.30pm ***“Hydraulic Transport of Coarse Gravel- A laboratory investigation into Flow Resistance”*** – Gu Ming, Liu Ruixiang, Ni Fusheng, Xu Liquan, Tianjin Waterway Bureau China Communications Construction Group, China.
- 2.30-3.00pm ***“Research on the Comprehensive Development & Utilization of Shorelines, Channel and Beach Resources of the Yangtze Estuary”*** - Ruan Wei, Shanghai Waterway Investigation, Design and Research Institute, China.
- 3.00-3.30 pm *Coffee Break*

Tuesday, May 29, 2007; 1.30-3.00pm

Session 4C – WODA Environmental Commission Panel

“Addressing Environmental Issues are Key to Dredging Project Success Stories”

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

Speakers:

- Neville Burt CEDA, UK
- John Dobson EADA, Australia
- Bob Engler PIANC, USA
- Ancil Taylor Bean Stuyvesant, LLC, USA
- Gerard van Raalte Hydronic/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

3.00-3.30pm *Coffee Break*

Tuesday, May 29, 2007; 3.30-5.00pm
Session 5A – Beneficial Uses of Dredging III

Chair:

- 3.30-4.00pm *“Design and Construction Considerations for Wetland Restoration Using Dredged Material”* – Ram Mohan, Walter Dinicola, Timothy Iannuzzi, David Ludwig, and Joseph Shisler, ARCADIS BBL, USA.
- 4.00-4.30pm *“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.
- 4.30-5.00pm *“Material of the Road Foundations from the Marine Polluted Sediments in the North – France”* – Tran Ngoc Than and Zentar Rachid, Universite D.Artois; Abriak Nor Edine, Ecole des Mines de Douai; France.

Tuesday, May 29, 2007; 3.30-5.00pm
Session 5B – WEDA Safety Commission Panel

“Dredging Safety - Around the World”

Chair - Danny Wyatt, USACE, USA

Speakers:

- *“Update: Proposed Inspected Vessel Rule for Tow Boats”* - Dave Dolloff, Headquarters, U.S. Coast Guard, USA.
- *“Implementing an Incident & Injury Free (IFF) Work Place”*, David Simonelli, Great Lakes Dredge & Dock Company, USA.
- *“CEDA Perspectives on Dredging Safety”* – Speaker TBD
- *“EADA Perspectives on Dredging Safety”* – Speaker TBD

Tuesday, May 29, 2007; 3.30-5.00pm
Session 5C – WEDA Environmental Commission Panel
“Innovation in Dredging through Collaboration---A Worldwide Connection”
Chair: Craig Vogt, USEPA and Philip Spadaro, ARCADIS BBL, USA

Speakers:

- Elaine Lew NY Shipping Association, USA
 - Constantijn Dolmans IADC, The Netherlands
 - David Padman Port of Kelang (Malaysia)
 - Marsha Cohen Terra et Aqua, The Netherlands
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Wednesday, May 30, 2007

6:30-8:00am	Breakfast in Exhibit Hall
6:30-12.00pm	Exhibit Hall Open
7:30-10.00am	Spouses Breakfast
8:00am-12.00pm	Concurrent Technical Sessions <i>Session 6A – Survey and Positioning Equipment</i> <i>Session 6B – Passaic River Sediment Remediation</i> <i>Session 6C - Dredging Research IV</i> <i>Session 6D – Environmental Aspects of Dredging II</i> Port of Tampa Tour
12:00-5:00pm	Cape Canaveral Dredge Site Field Trip (Tentative)
12:00-5:00pm	Free Time
6:00-10:00pm	Sleuth’s Mystery Dinner Show <i>(If required)</i> <i>Tuesday’s Dinner show will only accommodate 300 people - Thus, a second show will be held on Wednesday if needed.</i>

Wednesday, May 30, 2007; 8.30am-12.00pm

Session 6A – Survey and Positioning Equipment

Chair:

8.30-9.00am	<i>“Modern Positioning System Provides for an Inexpensive Mattress-Laying Vessel at the Venice Surge Barrier”</i> - Mark Winkelman and Bert Mulder, Damen Dredging Equipment B.V., The Netherlands.
9.00-9.30am	<i>“A Bathymetric Survey, Beluga System, with Realtime Processing Capacity – Combined Use of GPS and Narrow Multibeam Sounder”</i> - Tatsuya Mizukawa, Toa Corporation, Japan.
9.30-10.00am	<i>“Monitoring and Dredging Technologies in Muddy Layers”</i> - Dipl.-Ing. Rewert Wurpts, Sworn Consultant in Dredging & Contracting, Germany.
10.00-10.30am	<i>Coffee Break</i>
10.30-11.00am	<i>“Assessing Nautical Depth Efficiently in Terms of Rheological Characteristics”</i> - W.F. Fontein and R. Byrd, Odom Hydrographic Systems, USA.
11.00-11.30am	<i>“Instrumentation for Remote Control of a Dredge”</i> - Gary Cavanaugh, Mark Kochanek, and Jock Cunningham, CSIRO Exploration and Mining; Simon Prebble, Consolidated Rutile Limited, Australia.

11.30am-12.00pm ***“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; 8.30am-12.00pm
Session 6B – Passaic River Sediment Remediation
Chair: Scott Thompson, Malcolm Pirnie, Inc., USA

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

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

9.30-10.00am ***“Environmental Dredging Pilot Study in the Lower Passaic River: Updated Results”*** - Maheyar Bilimoria, Allen Burton, Serkan Mahmutoglu, Sameer Ahsan, Earth Tech, Inc.; Lisa Baron, NJDOT; Robert Chant, Rutgers University; Timothy Wilson, USGS, USA.

10.00-10.30am *Coffee Break*

10.30-11.00am ***“The Interplay of Dredging and Discharges: A Conceptual Model of Contamination in the Lower Passaic River”*** – Edward Garvey, AmyMarie Accardi-Dey, Juliana Atmadja, Solomon Gbondo-Tugbawa, Shane McDonald and Erika Zamek, Malcolm Pirnie, Inc., USA.

11.00-11.30am ***“Interpreting the Process and Results of the Lower Passaic River Dredging Pilot Study”*** - Bob Romagnoli, Jennifer Bryz-Gornia, ARCADIS BBL, USA.

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

Wednesday, May 30, 2007; 8.30am-12.00pm
Session 6C – Dredging Research IV
Chair:

8.30-9.00am ***“Dredging of fine grained Sediment with an Environmental Cutter - Research on Diffusion Prevention Technology”*** - Zhang Jing ming and Zhang Qing bo, Shanghai Waterway Investigation Design and Research Institute, China.

9.00-9.30am ***“The Design of Anchor Elevation Platforms for Cutter Suction Dredge D'Artagnan - Last men standing”*** – G. Teheux and M. Lambalk, VOSTA LMG, The Netherlands.

- 9.30-10.00am ***“Third Generation Rock Cutting System – From First Ideas to a Working Product”*** - Klaas Wijma, VOSTA LMG, The Netherlands.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am ***“The Application of a Production Optimization System for a Cutter Suction Dredger”*** - Tian Junfeng, China Communications Construction Group; Ding Shuyou, Tianjin Dredging Company, China.
- 11.00-11.30am ***“The Impact of a Decade of Intense Research on the Efficiency of a TSHD”*** - Ruud Ouwerkerk, Dredge Technology Corporation; Arie de Jager and Caspar Kramers, IHC Holland Dredgers BV; Sergio Ooyens, MTI Holland BV, The Netherlands.
- 11.30-12.00pm ***“Initial Experiments and Data Acquisition for Texas A&M Dredge Carriage”*** – J. Henriksen and R. Randall, Texas A&M University, USA.

Wednesday, May 30, 2007; 8.30am-12.00pm
Session 6D – Environmental Aspects of Dredging II
Chair:

- 8.30-9.00am ***“Environmentally-friendly Dredging in the Bisan-Seto Shipping Route”*** - Kazuhiro Someya, Tomac Corporation, Japan.
- 9.00-9.30am ***“Development of the Tidal Flat and Eelgrass (AMAMO) Field Creation System with the Effective use of the Dredged Cohesive Material”*** - Tsutomu Inada, Toyo Construction Co., Ltd., Japan.
- 9.30-10.00am ***“Maintenance Dredging of Lakes - Environmental Protection”*** - Zhu Xiaojun, Nanjing Waterway Administration Department, China.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am ***“Dredging in Sensitive Coral Environments”*** - Adam Smith, Tom Forster, James Monkivitch, Great Barrier Reef Marine Park Authority, Townsville, Queensland, Australia.
- 11.00-11.30am ***“Management of Environmental Issues Related to Capital Dredging Works at Port Klang, Malaysia”*** - Inai Kiara SDN BHD, Malaysia.
- 11.30am-12.00pm ***“Environmental Monitoring and Management of Reclamation Works Close to Sensitive Habitats”*** - Doorn-Groen S.M. and Foster T.M., DHI Water & Environment (S) Pte. Ltd., Singapore.

12.00-5.00pm **Tours/Free Time**

Thursday, May 31, 2007

6:30-8:30am	Breakfast in Exhibit Hall
6:30am-5:00pm	Exhibit Hall Open
7:30-10:00am	Spouses Breakfast
8:30am-12.00pm	Concurrent Technical Sessions <i>Session 7A – Dredging Equipment I</i> <i>Session 7B – Commencement Bay Sediment Remediation</i> <i>Session 7C – Dredging and Resuspension</i>
12.00-1:30pm	Lunch in the Exhibit Hall
12:00-1:30pm	WEDA Board of Directors Luncheon
1:30-5:00pm	Concurrent Technical Sessions <i>Session 8A – Dredging Equipment II</i> <i>Session 8B – Physical and Numerical Modeling</i> <i>Session 8C – Dredging Project Case Studies V</i>
3:00-3:30pm	Coffee Break [Ice Cream Social, Exhibit Hall]
7:00-10:00pm	Congress Dinner

Thursday, May 31, 2007; 8.30am-12.00pm

Session 7A – Dredging Equipment I

Chair:

8.30-9.00am	<i>“An Innovative Trailing Suction Hopper Dredger of Aft-Center Drag System with a Wide Span Drag Head”</i> - Kaoru Kamachi, Syogo Miyajima, Tsuyoshi Nomura, MEC Engineering Service Co., Ltd., Japan.
9.00-9.30am	<i>“New-type Side Anchor Pulley for Cutter Suction Dredger”</i> - Shao Qunsheng, Zhang Dongmei, Shandong Water Conservancy, China.
9.30-10.00am	<i>“Modular Approach in Cutter Suction Dredge Design”</i> - J.M. van Helden, IHC Holland, The Netherlands.
10.00-10.30 am	<i>Coffee Break</i>
10.30-11.00am	<i>“New Pump Types Further Optimizing a Dredger's Profitability”</i> - P.M. Vercrujse, MTI Holland BV and H. Bugdayci, IHC Holland, The Netherlands.
11.00-11.30pm	<i>“On the Particle Trajectories Dredge Pump Impellers”</i> - C.F. Hofstra, W.J. Vlasblom, S.A. Miedema, Delft University of Technology. The Netherlands.
11.30am-12.00pm	<i>“Oil-saving and Dredging, Pursuing Maximization of Benefits”</i> – Shao Qunsheng, Yang Bo, Shandong Water Conservancy, China.
12.00-1.30pm	<i>Lunch</i>

Thursday, May 31, 2007; 8.30am-12.00pm

Session 7B – Commencement Bay Sediment Remediation

Chair: Paul Fuglevand, Dalton Olmstead, Fuglevand, Inc., USA

- 8.30-9.00am *“An Overview of Sediment Remediation Initiatives in Commencement Bay”* - Paul Fuglevand, Dalton, Olmsted & Fuglevand, USA.
- 9.00-9.30am *“Commencement Bay Case Studies of Environmental Dredging Residuals”* - Clay Patmont and Tom Wang, Anchor Environmental, LLC, USA.
- 9.30-10.00am *“Head of Hylebos - Adaptive Management During Sediment Remediation”* – Robert Webb and Paul Fuglevand, Dalton, Olmsted & Fuglevand, USA.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am *“Incorporating Aquatic Habitat Restoration/Mitigation Into Dredging Projects”* - Glenn Grette and Matthew Boyle, Grette Associates, USA.
- 11.00-11.30am *“Rail Shipment and Landfill Disposal of Dredged Sediments for the Head of the Hylebos Project in Commencement Bay”* – Elisa Webb, Webb Consulting; and Pete Keller, Allied Waste, USA.
- 11.30am-12.00pm *“Recontamination of Waterway Cap Thea Foss Waterway, Tacoma, Washington”* - Matt Dalton, Dalton, Olmsted & Fuglevand, Inc., USA.
- 12.00-1.30pm *Lunch*

Thursday, May 31, 2007; 8.30am-12.00pm

Session 7C – Dredging and Resuspension

Chair:

- 8.30-9.00am *“Suspended Sediment Plumes Associated with Navigation Dredging in the Arthur Kill Waterway, New Jersey”* - D. Clarke, K. Reine, R. Pinzon, and J. Gallo, U.S. Army Corps of Engineers; C. Dickerson, Bowhead Information Technology Services; S. Zappala, HDR/LMS, USA.
- 9.00-9.30am *“Sediment Resuspension by Ship Traffic in Newark Bay, New Jersey”* - D. Clarke, K Reine, R. Pinzon, and J. Gallo, U.S. Army Corps of Engineers; C. Dickerson, Bowhead Information Technology Services; S. Zappala, HDR/LMS, USA.
- 9.30-10.00am *“Validation of Turbidity Prediction Software (TASS) with Data from a Grab Dredger Working in the River Tees, UK”* - Neville Burt, HR Wallingford and John Land, Dredging Research, Ltd., UK; Hans Otten, Rijkswaterstaat, The Netherlands.

- 10.00-10.30am *Coffee Break*
- 10.30-11.00am ***“Process-based Estimation of Sediment Resuspension Losses During Dredging”***
- Donald Hayes, Civil and Environmental Engineering; Thomas Borrowman and Paul Schroeder, Environmental Laboratory, USA.
- 11.00-11.30am ***“Acoustic Determination of Loss Terms for Mechanical Dredging Operations”*** - John Land, Dredging Research Ltd.; Douglas Clarke and Kevin Reine, USACE; Charles Dickerson, Bowhead Information Technology Services, UK.
- 11.30am-12.00pm ***“Modeling the Ultimate Transport and Fate of Modeling the Ultimate Transport and Fate of Dredge-Induced Suspended Sediment Transport and Deposition”*** - J. Craig Swanson, Tatsu Isaji, Christopher Galagan, Applied Science Associates, Inc., USA.
- 12.00-1.30pm *Lunch*
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Thursday, May 31, 2007; 1.30-5.00pm
Session 8A – Dredging Equipment II
Chair:

- 1.30-2.00 pm ***“Modification of Dredgers, A Crazy Idea or Not?”*** - Gert De Vries, Vuyk Engineering, The Netherlands.
- 2.00-2.30pm ***“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.
- 2.30-3.00pm ***“Evaluation of Dredging Performance in a Trailing Suction Hopper Dredger”*** - D. Wangli, J. Braaksma, R. Babuška, J. B. Klaassens, Delft University of Technology; C. de Keizer, IHC Systems. The Netherlands.
- 3.00-3.30pm *Coffee Break*
- 3.30-4.00pm ***“Latest Developments in VOSTA LMG Suction Systems”*** - Karl Johannsen, VOSTA LMG, Germany.
- 4.00-4.30pm ***“Dredge William A. Thompson Replacement”*** - Marc Krumholz, U.S. Army Corps of Engineers, USA.
- 4.30-5.00pm ***“Variable Speed Transmission Gearbox, An Ecomonic and Sustainable Solution for your Dynamic Drive Problems”*** - Ing. C.H. van den Berg, ir. J.M. Claassen, and ir. R.A. Kruijt, MTI Holland BV; IHC Holland. The Netherlands.

Thursday, May 31, 2007; 1.30-5.00pm
Session 8B – Physical and Numerical Modeling
Chair:

- 1.30-2.00pm ***“Hydrodynamic and Sediment Transport Modeling for a new Container Terminal”*** - Matt Goodrich and Jack Ellis, Applied Technology & Management, Inc., USA.
- 2.00-2.30pm ***“Harbor Entrainment Due to Complex Tidal Flow Patterns”*** – Andreas Wurpts, Technical University of Darmstadt, Germany.
- 2.30-3.00pm ***“Analysis of Fluorescent Tracer Dispersal from Nearshore-placed Dredged Material Mounds near Brunswick, Georgia”*** - S. Jarrell Smith, Joseph Z. Gailani, Jonathan Marsh, and Trap Puckette, U.S. Army Corps of Engineers, USA.
- 3.00-3.30pm *Coffee Break*
- 3.30-4.00pm ***“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 and Tahirih C. Lackey, U.S. Army Corps of Engineers, USA.
- 4.00-4.30pm ***“A Model Calculation for Flow Resistance in the Hydraulic Transport of Sand”*** - Ni Fusheng, Zhao Lijuan, Xu Liqun, Hohai University, China; W.J. Vlasblom, Delft University of Technology, The Netherlands.
- 4.30-5.00pm ***“Model Experiments in relation to the Loading-overflow Process on Trailing Suction Hopper Dredgers”*** - Zhang Chen and Hong Guojun, Shanghai Waterway Investigation, Design and Research Institute, China.

Thursday, May 31, 2007; 1.30-5.00pm
Session 8C – Dredging Project Case Studies V
Chair:

- 1.30-2.00pm ***“Rowing Lane Dredging for Pan American Games 2007 Rio de Janeiro-Brazil”***
- Marcio Brando Batalha and Flavia Batalha, Dratec Engenharia, Brazil.
- 2.00-2.30pm ***“Simulation of a Flywheel Energy Recovery System performance in a Clamshell Dredge”*** - K.R. Williams and H.J. de Jong, KRW Technologies, USA.
- 2.30-3.00pm ***“Polyelectrolyte Use in the Dredging Industry: Safety Aspects and Environmental Benefits”*** - Dennis E. Marroni, SNF, USA.
- 3.00-3.30pm *Coffee Break*

- 3.30-4.00pm *“Effects of Agitation Dredging in Savannah Harbor”* - Christopher Ahern, Francis Way, Bo Ellis, and Matt Goodrick, Applied Technology & Management, Inc., USA.
- 4.00-4.30pm *“Permitting A Marine Container Terminal on the Former Charleston Naval Station”* - Jack Ellis, Applied Technology & Management, Inc., USA.
- 4.30-5.00pm *“Production Engineering: The Development of an Engineering Discipline in the Dredging Industry”* – Kyle Johnson and Robert Ramsdell III, Great Lakes Dock and Dredge Company, USA.
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Friday, June 1, 2007

- 6:30-8:30am Breakfast in Exhibit Hall
- 6:30-10:30am Exhibit Hall Open
- 7:30-10:00am Spouses Breakfast
- 10:30am-1.30pm Exhibit Hall Tear Down
- 8:00am-12:00pm **Concurrent Technical Sessions**
Session 9A – Sediment Dewatering, Treatment and Disposal
Session 9B – SLRIDT Site Remedial Dredging and Capping
- 12:00-12:45pm Closing Ceremonies
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Friday, June 1, 2007; 8.30am-12.00pm
Session 9A – Sediment Dewatering, Treatment and Disposal
Chair:

- 8.30-9.00am *“A Comparison of Sediment Dewatering Methods”* - Matthew Englis, Ciba Specialty Chemicals, USA.
- 9.00-9.30am *“Use of Geotube® Dewatering Containers in Environmental Dredging”* - Brian Mastin and Gregg Lebster, WaterSolve, LLC, USA.
- 9.30-10.00am *“Processing Contaminated Sediments From the Miami River”* – Harry van Dam, Boskalis Dolman b.v., The Netherlands.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am *“Metal Binding, Acid Neutralization and Minimization of Sulfide Oxidation in Dredge Spoil Material using ViroSoil™ Technology”* - Jim V. Rouse, Simon Tillotson, Daniel Blair, Virotec; David McConchie and Malcom Clark, Southern Cross University, USA.

- 11.00-11.30am ***“Continuous Dewatering System for Dredged Sediment with High Water Content”*** - Takashi OIDA, Penta-Ocean Construction Co., Ltd., Japan.
- 11.30am-12.00pm ***“An Innovative and Sustainable Solution for Sediment Disposal Problems”*** - Stine Foged, Liv Duerincx, Jos Vandekeybus, MWH, Europe North, Germany.

Friday, June 1, 2007; 8.30am-12.00pm
Session 9B – SLRIDT Site Remedial Dredging and Capping
Chair: Mike Costello, SERVICE Engineering, USA

- 8.30-9.00am ***“The Role of Construction Quality Assurance (CQA) in Sediment Remediation”***
- Eric Hedblom, Guy Partch, Michael Costello, SERVICE Engineering Group, USA.
- 9.00-9.30am ***“Environmental Applications for Sub-Surface Suction Dredging”*** - Johan Pennekamp, WL/Delft, Delft, Netherlands; Michael Costello, Luca Sittoni, Timothy Wagner, SERVICE Engineering Group, USA.
- 9.30-10.00am ***“St. Louis River/Interlake/Duluth Tar Site Remediation Sediment Operable Unit – 2006 Sand Cap/Surcharge Project – Duluth, MN”*** – Tim Tracy and Brian Bell, Envirocon, Inc., USA.
- 10.00-10.30am *Coffee Break*
- 10.30-11.00am ***“Stone Dike Construction at SLRIDT Site”*** - Ted Smith, Marine Tech, LLC. USA.
- 11.00-11.30pm ***“Advantages of Non-Segregating Dredged Material Placement”*** - Walther Van Kesteren, WL/Delft. Netherlands; Michael Costello, William Flynn, SERVICE Engineering Group, USA.
- 11.30am-12.00pm ***“Construction Management of the St. Louis River/Interlake/Duluth Tar Remediation Project, Sediment OU, Duluth, MN”*** - Stuart Russell, Hard Hat Services, LLC, USA.

Friday, June 1, 2007; 12.00-12.45pm
Closing Ceremonies

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