GLOBAL DREDGING CONGRESS

SUNDAY, MAY 27, 2007 – FRIDAY, JUNE 1, 2007

At the

Walt Disney World Property
Lake Buena Vista, Florida, USA
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

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


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:


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 Lianhuaoshan 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.  
2.30-3.00pm  “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.  
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 Cossettini, Emanuele Zanotto, Commissario Delegato per l’emergenza socio-economico, Venice, Italy.


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.
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
   Session 3A - Dredging Project Case Studies III
   Session 3B – Poplar Island Environmental Restoration Project
   Session 3C – USACE ERDC Research Initiatives
   Session 3D – Dredging and Ecosystems
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
   Session 4A - Dredging Project Case Studies IV
   Session 4B - Dredging Research III
   Session 4C – WODA Environmental Commission Panel
3.00-3.30pm Coffee Break
3:30-5:00pm Concurrent Technical Sessions
   Session 5A – Beneficial Uses of Dredging III
   Session 5B – WEDA Safety Commission Panel
   Session 5C – WEDA Environmental Commission Panel
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.


9.30-10.00am “Modern Dredge Simulators & Training - Means to get a Dredge Crew more Efficient” - Riny Mourik, Jeroen Braadbaart, IHC Systems, The Netherlands.
<table>
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<tr>
<th>Time</th>
<th>Session 3B – Poplar Island Environmental Restoration Project</th>
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<tbody>
<tr>
<td>8.30-9.00am</td>
<td>“Poplar Island Environmental Restoration Project: The Role of Stakeholder Partnership In Implementation” – Frank Hamons, Maryland Port Authority; Daniel Wilson, Gahagan and Bryant, Inc, USA.</td>
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<td>9.00-9.30am</td>
<td>“Poplar Island Environmental Restoration Project: Dike Construction and Wetland Development” - Timothy Donegan, Steve Shaw, Dennis Urso, Gahagan and Bryant, Inc, USA.</td>
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<td>9.30-10.00am</td>
<td>“Poplar Island Environmental Restoration Project: Coastal Engineering Design and Construction” - Peter Kotulak, John Headland, Moffatt &amp; Nichol, USA.</td>
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<td>10.00-10.30am</td>
<td>Coffee Break</td>
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<tr>
<td>11.00-11.30am</td>
<td>“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.</td>
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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.


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

12.00-1.30pm  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” –
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.


11.30am-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

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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 Liquin, 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       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

3.00-3.30pm 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
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
                  Session 6A – Survey and Positioning Equipment
                  Session 6B – Passaic River Sediment Remediation
                  Session 6C - Dredging Research IV
                  Session 6D – Environmental Aspects of Dredging II
12:00-5:00pm  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 (If required)

Tuesday’s Dinner show will only accommodate 300 people - Thus, a second show will be held on Wednesday if needed.

Wednesday, May 30, 2007; 8.30am-12.00pm
Session 6A – Survey and Positioning Equipment
Chair:

8.30-9.00am  “Modern Positioning System Provides for an Inexpensive Mattress-Laying Vessel at the Venice Surge Barrier” - Mark Winkelman and Bert Mulder, Damen Dredging Equipment B.V., The Netherlands.


9.30-10.00am  “Monitoring and Dredging Technologies in Muddy Layers” - Dipl.-Ing. Rewert Wurpts, Sworn Consultant in Dredging & Contracting, Germany.

10.00-10.30am  Coffee Break

10.30-11.00am  “Assessing Nautical Depth Efficiently in Terms of Rheological Characteristics” - W.F. Fontein and R. Byrd, Odom Hydrographic Systems, USA.

11.00-11.30am  “Instrumentation for Remote Control of a Dredge” - Gary Cavanough, 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


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.


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 Ouwkerk, 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.


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
   
   **Session 7A – Dredging Equipment I**
   **Session 7B – Commencement Bay Sediment Remediation**
   **Session 7C – Dredging and Resuspension**

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
   
   **Session 8A – Dredging Equipment II**
   **Session 8B – Physical and Numerical Modeling**
   **Session 8C – Dredging Project Case Studies V**

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:**


10.00-10.30 am Coffee Break

10.30-11.00am “New Pump Types Further Optimizing a Dredger's Profitability” - P.M. Vercruijsse, MTI Holland BV and H. Bugdayci, IHC Holland, The Netherlands.

11.00-11.30pm “On the Particle Trajectories Dredge Pump Impellers” - C.F. Hofstra, W.J. Vlasblom, S.A. Miedema, Delft University of Technology. The Netherlands.

11.30am-12.00pm “Oil-saving and Dredging, Pursuing Maximization of Benefits” – Shao Qunsheng, Yang Bo, Shandong Water Conservancy, China.

12.00-1.30pm Lunch
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, Rijkwaterstaat, 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

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.

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.


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.

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

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.


11.30am-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