



TEXAS A&M  
UNIVERSITY

# Dredging Summit & Expo 2015

## Dredgers, the Environment and Commerce



Photo courtesy of AECOM

### Conference Program

June 22 – 25, 2015

The Westin Galleria, Houston, Texas, USA

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# WESTERN DREDGING ASSOCIATION (WEDA)

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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. These three organizations constitute the **World Organization of Dredging Associations (WODA)** with 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 carried out independently.

## WEDA 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, seminars, 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 Western Dredging Association through the establishment and support of chapters.
- To recognize individuals and organizations for outstanding engineering and operational achievements.

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# WEDA BOARD OF DIRECTORS

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\*Non-voting Board Member

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# CONFERENCE ORGANIZING COMMITTEE

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**Tom Verna, *Executive Director***

Western Dredging Association

**Robert Ramsdell, *Chair, Technical Paper Committee***

Great Lakes Dredge & Dock Company

**Robert Randall, *Member, Technical Paper Committee (Editor, Conference Proceedings)***

Texas A&M University (TAMU)

**Julie Rosati, *Member, Technical Paper Committee***

USACE, Coastal and Hydraulics Laboratory

**Robert Wetta, *Member, Technical Paper Committee***

DSC Dredge, LLC



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# GENERAL INFORMATION

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## Registration/Information Desk *Concert Hall Foyer*

Monday, June 22, 2015	8:00 am – 5:00 pm
Tuesday, June 23, 2015	7:00 am – 5:00 pm
Wednesday, June 24, 2015	7:00 am – 5:00 pm
Thursday, June 25, 2015	7:00 am – 1:00 pm

## Admission to Functions

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 luncheons. Appropriate attire for the Icebreaker is dressy casual; for the Board Dinner, jacket and tie for men and cocktail attire for women is appropriate.

## Messages

You may check messages on the message board located near the Registration Desk in the Concert Hall Foyer. Any changes to the program will also be posted there.

## Door Prizes

Four (4) door prizes will be awarded randomly throughout each day. To be eligible for the daily door prizes, you will have to fill out door prize tickets located at each exhibitor booth. There is no limit to how many times you may visit a booth and fill out a daily door prize ticket. To be eligible for the grand door prizes of “hotel accommodations at WEDA 35/TAMU 46 or the \$500 in Cash,” you will have to place your badge in a special collection box just prior to the Closing Ceremony. **You must be present to win.**

## Ticketed Events

Your **badge** is your ticket to all events.

## Best Paper Awards

Cash prizes will be presented during the closing ceremonies.

Ceremony	Cash Prize
DSC Dredge, LLC Best Paper Award on the topic “Why Dredging is Good?”	\$1000 USD
DCA/WEDA Best Paper Award	\$1000 USD – Double check
Anchor QEA Young Author Best Paper Award	\$500 USD

# GENERAL INFORMATION

## Tours/Spouse/Social Program

Day	Time	Activity
Monday, June 22, 2015	8:30 am to 3:00 pm	Tour to NASA Houston (additional fee)
Monday, June 22, 2015	1:00 pm to 5:00 pm	<b>WEDA Continuing Education Short Course:</b> Managing the 5Rs of Environmental Dredging
Monday, June 22, 2015	7:00 pm to 9:00 pm	Hosted Reception/Ice Breaker
Tuesday, June 23, 2015	7:00 am to 7:30 am	Hosted Breakfast
Tuesday, June 23, 2015	6:00 pm to 7:00 pm	Young WEDA Icebreaker
Wednesday, June 24, 2015	7:00 am to 7:30 am	Hosted Breakfast
Wednesday, June 24, 2015	11:30 am to 1:00 pm	Hosted Lunch – Panama Canal Authority
Wednesday, June 24, 2015	2:45 pm to 3:15 pm	Ice Cream Social

## Exhibitor Set Up and Tear Down

Exhibitors may commence setting up their booths at 12:00 noon on Monday, June 22 in the Concert Hall. Tear down will be allowed after the 10:00 am Refreshment Break on Thursday, June 25.

## Sustaining Members

American Chemical Technology, Inc.

Anchor QEA, LLC

Arcadis-US, Inc.

ARC Surveying and Mapping

Bean Companies

Cable Arm Inc.

Cavache Inc.

CleanEarth

Coast & Harbor Engineering

Dalton, Olmsted & Fuglevand, Inc.

Dredge Technology Corporation

DSC Dredge, LLC

Foth Infrastructure & Environment

GBA

GSI GeoSynthetics

Great Lakes Dredge & Dock Co.

Hartman Associates, LLC

J.F. Brennan Company

J. T. Cleary

LSM Marine Contractors

Moffatt & Nichols

Natural Resource Technology

Neptune Flotation

Parsons Brinckerhoff

Piedroba Marine Construction

Port of Portland

Portable Barge Services, Inc.

SAM, Inc.

Snyder Industries

The Intelligence Group

Water Tectonics

## Sponsors

# WEDA SUMMIT & EXPO 2015

## Schedule

### Monday, June 22

8:00 am – 5:00 pm Exhibitor Setup

9:00 am – 3:00 pm NASA Houston Tour

9:00 am – 5:00 pm Registration *Location to Be Determined*

1:00 pm – 5:00 pm **WEDA Continuing Education Short Course:** The 5 Rs of Environmental Dredging, *Location to Be Determined*

7:00 pm – 9:00 pm Hosted Reception (Icebreaker) *Location to Be Determined*

Monday

# WEDA CONTINUING EDUCATION SHORT COURSE

Monday, June 22: 1:00 pm – 5:00 pm

**Short Course: MANAGING THE 5Rs OF ENVIRONMENTAL DREDGING, *Location to be Determined***

1:00 pm – 1:10 pm **Welcome**

1:10 pm – 2:00 pm **Short Course #1 - TBD**

2:00 pm – 2:50 pm **Short Course #2 - TBD**

2:50 pm – 3:10 pm **Refreshment Break**

3:10 pm – 4:00 pm **Short Course #3 - TBD**

4:00 pm – 4:50 pm **Short Course #4 - TBD**

4:50 pm – 5:00 pm **Quiz**

5:00 pm **Presentation of Certificates & Adjournment**

Monday



# WEDA SUMMIT & EXPO 2015

## Schedule

### Tuesday, June 23

6:00 am – 5:00 pm	Registration <i>Location TBD</i>
6:00 am – 5:00 pm	Exhibits <i>Location TBD</i>
7:00 am – 7:30 am	Hosted Breakfast <i>Location TBD</i>
7:30 am – 9:00 am	Spouses Breakfast <i>Location TBD</i>
9:00 am – 3:00 pm	Special Spouses/Partner Tour
8:00 am – 9:00 am	WEDA Summit & Expo 2015 Opening Ceremonies <i>Location TBD</i>
9:15 am – 9:30 am	Coffee Break <i>Location TBD</i>
9:30 am – 12:00 pm	Technical Sessions 1a: Dredging Research <i>Location TBD</i> 1b: Mitigation and Restoration <i>Location TBD</i>
12:00 pm – 1:00 pm	Lunch <i>Location TBD</i>
11:45 am – 1:30 pm	Board of Directors Lunch/Meeting <i>Location TBD</i>
1:15 pm – 3:15 pm	Technical Sessions 2a: Beneficial Use and Engineering with Nature <i>Location TBD</i> 2b: Subject to be Determined <i>Location TBD</i>
2:30 pm – 5:00 pm	WEDA Environmental Commission Meeting
3:15 pm – 3:30 pm	Coffee Break <i>Location TBD</i>
3:30 pm – 5:30 pm	Technical Sessions 3a: Subject to be Determined <i>Location TBD</i> 3b: Subject to be Determined <i>Location TBD</i>
6:00 pm – 7:00 pm	Young WEDA Icebreaker <i>Location TBD</i>
7:00 pm – 9:00 pm	Board of Directors Dinner <i>Location TBD</i>

Tuesday

# OPENING SESSION

## Opening Ceremonies

**Tuesday, June 23: 8:00 am – 9:00 am, Ballroom**

8:00 am – 8:20 am *Opening Remarks*

8:20 am – 8:40 am *Local Keynote – TBD*

8:40 am – 9:00 am *Local Keynote – TBD*

9:00 am – 9:30 am *Coffee Break, Location TBD*

Tuesday

# TEXAS A&M DREDGING SEMINAR

Tuesday, June 23: 9:30 am – 12:00 pm

## Technical Session 1a: Dredging Research , **Location TBD**

Chair: **To Be Determined**

9:30 am	–	10:00 am	The Slip Ratio or Holdup Function in Slurry Transport Sape A. Miedema (Delft University)
10:00 am	–	10:30 am	The Impact Wear Behaviour of Large Rocks on Slurry Pump Materials and Equipment Robert J. Visintainer and Dan Wolfe (Georgia Iron Works)
10:30 am	–	11:00 am	The Delft Sand, Clay & Rock Cutting Model Sape A. Miedema (Delft University)
11:00 am	–	11:30 am	The Influence of Adhesion on Cutting Processes in Dredging Thomas Combe and Sape Miedema (Delft University)
11:30 am	–	12:00 pm	In-Situ Sample Core Scanning for Preparation of Dredging Works K. Geirnaert, P. Staelens, and L-R. Cool (dotOcean NV) S. Sargis (International Entrepreneurship Center)

## Technical Session 1b: Mitigation and Restoration, **Location TBD**

Chair: **To Be Determined**

9:30 am	–	10:00 am	Oyster Reef Mitigation for the Bayport Ship Channel Improvement Project Carl Sepulveda, P.E. and Ashley Judith, P.E. (AECOM) Dana Cheney (Gahagan & Bryant Associates Inc.) David Casebeer, P.E. (Port of Houston Authority)
10:00 am	–	10:30 am	Saving Buried Oysters David Buzan and Cris Weber(Freese and Nichols, Inc.) Bill Rodney and Bryan Legare (Texas Parks and Wildlife Department)
10:30 am	–	11:00 am	A Case Study on the Engineering and Design of the Cole's Bayou Marsh Restoration Project Amanda M. Taylor (1 Coastal Protection and Restoration Authority) John D. Foret (NOAA's National Marine Fisheries Service)
11:00 am	–	11:30 am	Dredging of the Historical Cedar Bayou Tidal Inlet on the Texas Gulf Coast Aaron Horine P.E., Josh Carter P.E., M.D. Campbell and Patrick McLaughlin (Coast & Harbor Engineering, A Division of Hatch Mott MacDonald)
11:30 am	–	12:00 pm	Dredging for Mitigation Banks at Rockefeller Wildlife Refuge Erin Rooney P.E. (HDR) Philip "Scooter" Trosclair (Rockefeller Wildlife Refuge)

# TEXAS A&M DREDGING SEMINAR

## Technical Session 2a: Beneficial Use and Engineering with Nature, **Location TBD**

Chair: **To Be Determined**

- |         |   |         |  |
|---------|---|---------|--|
| 1:15 pm | – | 1:45 pm | Beneficial Use of Dredged Material<br>Alice Elizabeth Miano (University of New Orleans)  |
| 1:45 pm | – | 2:15 pm | Lessons Learned from Coastal Beneficial Use Features in Galveston Bay and Application to Engineering With Nature<br>Georganna Collins (Ecology and Environment, Inc.)<br>Edmund Russo (USACE, Galveston District)<br>Todd Bridges (US Army Engineer Research and Development Center) |
| 2:15 pm | – | 2:45 pm | Engineering With Nature Geographic Project Mapping Tool<br>Cynthia J. Banks, Burton Suedel and Michelle Bourne (U.S. Army Engineer Research and Development Center)  |
| 2:45 pm | – | 3:15 pm | Evolving Dredging Practices to Engineer With Nature<br>Todd S. Bridges, Edmond J. Russo and Cynthia Banks (U.S. Army Engineer Research and Development Center)   |

## Technical Session 2b: Water and Fill Treatment, **Location TBD**

Chair: **To Be Determined**

- |         |   |         |  |
|---------|---|---------|--|
| 1:15 pm | – | 1:45 pm | Insitu Treatment of Contaminated Fill in a Former Cove Saves Millions in Remediation Costs and Prepared Site for New Building at Naval Base<br>Charles Wilk (ALLU Group Incorporated)  |
| 1:45 pm | – | 2:15 pm | Electrocoagulation (EC) and Chitosan Enhanced Sand Filtration (CESF) Treatment Technologies for Dredge Return Water: Two Case Studies on the Lower Duwamish Waterway in Seattle, Washington<br>Liisa M. Doty (Water Tectonics, Inc.)   |
| 2:15 pm | – | 2:45 pm | Lessons Learned: Electrocoagulation Treatment of Dredge Return Water to Acute and Chronic Water Quality Criteria for Dissolved Metals, Total PCBs, pH, and Turbidity<br>Patrick Hsieh P.E. (AMEC Environment & Infrastructure, Inc.)<br>Bruce J. Lesikar Ph.D., P.E. (Baker Corp) Rob Webb P.E. (Dalton, Olmsted & Fuglevand, Inc.)<br>Dan McCormack P.G. (Boeing Remediation) |
| 2:45 pm | – | 3:15 pm | Maintenance Material and Bird Island Restoration at Sundown/Chester Island, Matagorda Bay, Texas<br>Cris Weber, Dave Buzan and Tom Dixon (Freese and Nichols, Inc.)<br>Iliana Pena and Tim Wilkinson (Audubon Texas, National Audubon Society)   |

Tuesday

# TEXAS A&M DREDGING SEMINAR

Tuesday, June 23: 4:00 pm – 5:30 pm

## Technical Session 3a: Coastal Restoration, **Location TBD**

Chair: **To Be Determined**

- |         |   |         |   |
|---------|---|---------|---|
| 3:30 pm | – | 4:00 pm | Hurricane Sandy Dredging Projects: Sand and More<br>Kenneth S. Goldberg P.E., PMP (US Army Corps of Engineers,<br>Philadelphia District)  |
| 4:00 pm | – | 4:30 pm | Tampa Harbor Maintenance Dredging with Egmont Key Beneficial<br>Re-use of High Silt Content Material Using a Traditional Template<br>Versus Cross Shore Swash Zone Placement<br>Coraggio Maglio (U.S. Army Engineer Research and Development<br>Center)<br>Jase Ousley, Aubree Hershorin and Millan Mora (U.S. Army Corps of<br>Engineers, Jacksonville District) |
| 4:30 pm | – | 5:00 pm | The Delaware Bay Beaches: Sand Needs for Coastal Protection and<br>Resiliency<br>Jonathan Barker and Clay M. Bryant (Gahagan and Bryant<br>Associates)<br>Kimberly McKenna (Delaware Department of Natural Resources and<br>Environmental Control)<br>Steven C. Shaw (Sevenson Environmental)   |
| 5:00 pm | – | 5:30 pm | Innovations in Insitu Stabilization Treatment of Dredged Material<br>Placement Areas for Redevelopment and Remediation<br>Charles Wilk (ALLU Group Incorporated)  |

## Technical Session 3b: Dredging for Navigation and Construction, **Location TBD**

Chair: **To Be Determined**

- |         |   |         |  |
|---------|---|---------|--|
| 3:30 pm | – | 4:00 pm | Dredging Works and Geotextile Tube Applications for Construction<br>of the Longest Sea-Crossing Bridge in Vietnam<br>T.W. Yee (TenCate Geosynthetics)                          |
| 4:00 pm | – | 4:30 pm | Navigation Channel Depth for Ibaka Deep Seaport in Nigeria<br>Ephraim U. Paul and David A. Brooks (Texas A&M University)<br>James M. Kaihatu, and Uwemedimo R. Ebong           |
| 4:30 pm | – | 5:00 pm | City of Renton Seaplane Base Maintenance Dredging, Challenges<br>beyond the Scope of Maintenance Dredging<br>John Dawson and Shane Phillips (Coast & Harbor Engineering, Inc.) |

# WEDA SUMMIT & EXPO 2015

## Schedule

### Wednesday, June 24, 2015

6:30 am	–	5:00 pm	Registration <b>Location TBD</b>
6:00 am	–	5:00 pm	Exhibits <b>Location TBD</b>
7:00 am	–	7:30 am	Hosted Breakfast <b>Location TBD</b>
7:30 am	–	8:30 am	Spouses Breakfast <b>Location TBD</b>
8:00 am	–	3:00 pm	Special Spouses/Partner Tour
8:00 am	–	9:30 am	<b>Technical Sessions</b> <b>4a: Safety Initiatives</b> <b>Location TBD</b> <b>4b: Precision Excavation</b> <b>Location TBD</b>
9:30 am	–	9:45 am	Coffee Break <b>Location TBD</b>
9:45 am	–	11:15 am	Technical Panel – WEDA Safety Commission <b>Location TBD</b>
11:30 pm	–	1:00 pm	Hosted Lunch <b>Location TBD</b> Panama Canal Authority
1:15 pm	–	2:45 pm	<b>Technical Session</b> <b>5a: Dredge Design: Challenges and Opportunities</b> <b>Location TBD</b> <b>5b: Environmental Lubricants</b> <b>Location TBD</b>
2:45 pm	–	3:15 pm	Ice Cream Social <b>Location TBD</b>
3:30 pm	–	5:00 pm	<b>Technical Session</b> <b>6a: Trailing Suction Hopper Dredgers</b> <b>Location TBD</b> <b>6b: Survey and Modeling</b> <b>Location TBD</b>
7:00 pm	–	10:00 pm	<b>Conference Dinner/Awards</b> <b>Location TBD</b> <ul style="list-style-type: none"><li>– Most Eye Appealing Booth Award</li><li>– Most Educational Booth Award</li><li>– Safety Award</li><li>– WEDA Environmental Excellence Awards</li><li>– Dredger of the Year Award</li><li>– Life Time Achievement Award</li></ul>

Wednesday



# WEDA TECHNICAL SESSIONS

Wednesday, June 24: 8:00 am – 10:00 am

## Technical Session 4a: Safety Initiatives, **Location TBD**

Chair: **To Be Determined**

8:00 am	–	8:30 am	Building a Proactive Safety Culture in the Dredging Industry Through use of Job Safety Analysis and Job Safety Analysis Audits Ashley A. Roznowski (Great Lakes Dredge & Dock Company)
8:30 am	–	9:00 am	A 100 Day Approach to Hand Safety John Henriksen and Mike Warwick (Manson Construction Co.)
9:00 am	–	9:30 am	Enhancing Safety and Health Programs with Technology and Mobile Applications Paul C. DiFrenna CSP (Cashman Dredging and Marine Contracting Company, LLC)

## Technical Session 4b: Precision Excavation, **Location TBD**

Chair: **To Be Determined**

8:00 am	–	8:30 am	Innovative Precision Dredging and Excavation Technology Steve Aitken (X-Subsea)
8:30 am	–	9:00 am	Environmental Dredging Productivity for Precision Excavator Dredges Robert S. Webb, Teal M. Dreher and Paul Fuglevand (Dalton, Olmsted & Fuglevand, Inc.)
9:00 am	–	9:30 am	Environmental Dredging at High Depth Dam Cleaning Dredging Matteo Benassuti, Alfredo Ranaldi and Maurice Freivokh (Dragflow SRL)

Wednesday

# WEDA TECHNICAL SESSIONS

## WEDA Safety Commission Panel – Subject TBD, Location TBD

Moderator: Tom Verna and Julie Hile

9:45 am – 11:15 am Panelists

11:30 pm – 1:00 pm Hosted Lunch, Location TBD  
Panama Canal Authority

## Wednesday, June 24: 1:30 pm – 3:00 pm

### Technical Session 5a: Dredge Design: Challenges and Opportunities, Location TBD

Chair: To Be Determined

1:15 pm	–	1:45 pm	Challenges of Dredging in the Arctic and Other Deep Ocean Locations Robert E. Randall and C.K. Jin (Texas A&M University)
1:45 pm	–	2:15 pm	Expected Future Applications of Artificial Intelligence on Dredgers Riny W. Mourik and J. Osnabrugge (IHC Systems)
2:15 pm	–	2:45 pm	Maximising Potential - How Converting and Upgrading Existing Dredgers Can Help Your Company Basel Yousef and Manish Jangir (Dredge Yard)

### Technical Session 5b: Environmental Lubricants, Location TBD

Chair: To Be Determined

1:15 pm	–	1:45 pm	New EPA Regulation for Environmentally Acceptable Lubricants and Their Effect on the Dredging Industry Matthew Houston (RSC Bio Solutions)
1:45 pm	–	2:15 pm	Picking the Right Environmentally Acceptable Lubricant (EAL): Meeting Environmental Regulations, Maximising Performance Raymond MacDonald
2:15 pm	–	2:45 pm	Stewards to the Environment While Improving your Bottom Line Jared Mikacich (PANOLIN America)
2:45 pm	–	3:15 pm	Ice Cream Social Location TBD

# WEDA TECHNICAL SESSIONS

Wednesday, June 24: 3:30 pm – 5:30 pm

## Technical Session 6a: Trailing Suction Hopper Dredgers, **Location TBD**

Chair: **To Be Determined**

3:30 pm	–	4:00 pm	New Dredging Equipment: The USACE Shallow Draft Split-Hull Dredge MURDEN Alexandra L. Scrimgeour and Thomas M. Verna (U.S. Army Corps of Engineers, Institute for Water Resources)
4:00 pm	–	4:30 pm	Trends in Design of Trailing Suction Hopper Dredges; Brown or Blue Oceans Erik van der Blom and Andre Kik (IHC Holland BV Dredgers) Leo W. van Ingen (Dredge Technology Corporation)
4:30 pm	–	5:00 pm	Engineering Analysis of Turtle Exclusion Device John Henriksen, Ryan Munger and Shannon Kay (Manson Construction Co.)

## Technical Session 6b: Survey and Modeling, **Location TBD**

Chair: **To Be Determined**

3:30 pm	–	4:00 pm	Dynamic Underwater 3D Survey and Monitoring During Recent Platform Dredging Operation: Reducing Risk and Exposure, While Improving Safety and Productivity David Boulet (Tusk Subsea Services ) Blair Cunningham (Coda Octopus Products Inc.)
4:00 pm	–	4:30 pm	Advanced Sonar Technology Improves Port Expansion Project in Sao Luis, Brazil Peter MacDermott (Baird & Associates) Chris Gorman P.E.(Coda Octopus) Mathews Morais (VALE)
4:30 pm	–	5:00 pm	Hydrodynamic and Sediment Transport Modeling for Horeshoe Bend Island Creation in the Lower Atchafalaya River, Louisiana Sung-Chan Kim and Burton C. Suedel (U.S. Army Engineer Research and Development Center)

Wednesday

# WEDA SUMMIT & EXPO 2015

## Schedule

### Thursday, June 25, 2015

6:00 am – 10:30 am Registration **Location TBD**

6:00 am – 10:30 am Exhibits **Location TBD**

7:00 am – 7:30 am Hosted Breakfast **Location TBD**

8:00 am – 10:00 am Spouses Breakfast **Location TBD**

8:00 am – 9:30 am **WEDA Environmental Commission Panel**

9:30 am – 12:00 am **Technical Sessions**

**7a: Past, Present and Future of Dredging** **Location TBD**

**7b: Dredging Solutions** **Location TBD**

12:00 pm – 12:45 pm **Closing Session** **Location TBD**

1:00 pm – 5:00 pm **Post Conference Technical Tour to** **Location TBD**

Thursday

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# WEDA TECHNICAL SESSIONS

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Thursday, June 25: 8:00 am – 9:30 am

WEDA Environmental Commission Panel: **Location TBD**

Chair: Craig Vogt

8:00 am – 9:430 am *Panelists TBD*



# WEDA TECHNICAL SESSIONS

Thursday, June 25: 9:30 am – 12:00 am

## Technical Session 7a: Past, Present and Future of Dredging, **Location TBD**

Chair: **To Be Determined**

9:30 am – 10:00 am	The History of Dredging at the Port of Houston: Ditching High and Low to Build a Port Mark Vincent P.E. (Port of Houston Authority) Lisa F. Glahn, Esq. and Rebecca D. Raphaelson (Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.)
10:00 am – 11:00 am	Dredging Industry Trends Robert B. Wetta and Charles H. Johnson (DSC Dredge, LLC)
11:00 am – 11:30 am	Certification for Dredge Professionals - The Why and How A. Alcorn (Moffatt & Nichol) D. Hayes (University of Nevada, Las Vegas) R. Randall (Texas A&M University)
11:30 am – 12:00 am	The Permitting Journey to Deepening and Widening a Federal Navigation Channel Carl Sepulveda, P.E. and Ashley Judith, P.E. (AECOM) Dana Cheney (Gahagan & Bryant Associates Inc.) David Casebeer, P.E. (Port of Houston Authority)

## Technical Session 7b: Dredging Solutions, **Location TBD**

Chair: **To Be Determined**

9:30 am – 10:00 am	Texas Geological Dredging vs. Geotechnical Dredging: Can We Anticipate the Future? Juan Moya, Cris Weber and Tom Dixon (Freese and Nichols, Inc.) Matthew Mahoney (Texas Department of Transportation) Tim Dellapenna (Texas A&M University Galveston)
10:00 am – 11:00 am	Turning Failure into Success with Innovative Dredging Solutions for Aquatic Preserve Restoration John B. Adams, William J. Coughlin and Jacob E. Sheets (Gator Dredging)
11:00 am – 11:30 am	Sediment Cap Installation and River Bank Cleanup on the Ohio River W.J. Dinicola, R.K. Mohan, T.W. Merritts, P. LaRosa, J. Cornetta (Anchor QEA, LLC) J. Caryl (Amec Foster Wheeler) C. Geadelmann (Honeywell International Inc.) D. Doven (Terra, a Great Lakes Company)
11:30 am – 12:00 am	Esquimalt Graving Dock Waterlot South Jetty Demolition and Remediation Design Challenges D. Berlin, T. Wang P.E. and M. Woltman P.E. (Anchor QEA, LLC) G. Cooper (Klohn Crippen Berger) A. Mylly and C. Major (Public Works and Government Services Canada)

Thursday



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# CLOSING SESSION

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Thursday, June 25: 12:00 pm – 12:45 pm, **Location TBD**

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12:00 pm – 12:10 pm ***Closing Remarks***

Ram Mohan (WEDA President/ Anchor QEA, LLC)

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12:10 pm – 12:30 pm ***Best Paper Awards***

Robert Ramsdell (Great Lakes Dredge & Dock Company)

***DSC Dredge, LLC Best Paper Award***

***Paper best representing the topic “Why is Dredging Good”***

Robert Wetta (DSC Dredge, LLC)

***DCA/WEDA Best Paper Award***

Michael Gerhardt (Dredging Contractors of America)

***Anchor QEA Young Author Best Paper Award***

Tom Wang (Anchor QEA, LLC)

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12:30 pm – 12:45 pm ***Door Prizes***

Tom Verna (WEDA)

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# PRIOR WEDA CONFERENCES

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## Western Hemisphere Conferences

<b>1980</b> Vancouver, British Columbia	<b>1998</b> Las Vegas, Nevada
<b>1981</b> Nashville, Tennessee	<b>1999</b> Louisville, Kentucky
<b>1982</b> New Orleans, Louisiana	<b>2000</b> Providence, Rhode Island
<b>1983</b> Jacksonville, Florida	<b>2001</b> Houston, Texas
<b>1984</b> St. Louis, Missouri	<b>2002</b> Broomfield, Colorado
<b>1985</b> Portland, Oregon	<b>2003</b> Oakbrook, Illinois
<b>1986</b> Baltimore, Maryland	<b>2004</b> Lake Buena Vista, Florida
<b>1987</b> Toronto, Canada	<b>2005</b> New Orleans, Louisiana
<b>1988</b> New Orleans, Louisiana	<b>2006</b> San Diego, California
<b>1989</b> Tacoma, Washington	<b>2007</b> Lake Buena Vista, Florida
<b>1990</b> Virginia Beach, VA	<b>2008</b> St. Louis, Missouri
<b>1991</b> New Orleans, Louisiana	<b>2009</b> Tempe, Arizona
<b>1992</b> Mobile, Alabama	<b>2010</b> San Juan, Puerto Rico
<b>1993</b> Atlantic City, New Jersey	<b>2011</b> Nashville, Tennessee
<b>1994</b> San Diego, California	<b>2012</b> San Antonio, Texas
<b>1995</b> Minneapolis, Minnesota	<b>2013</b> Honolulu, Hawaii
<b>1996</b> New Orleans, Louisiana	<b>2014</b> Toronto, Alberta, Canada
<b>1997</b> Charleston, South Carolina	

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# WEDA SUMMIT & EXPO EXHIBITORS

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