

# 47<sup>th</sup> Dredging Engineering Short Course

Dr. Ram Mohan, Adjunct Professor at Texas A&M University and Senior Partner with Anchor QEA organized and moderated the 47th Dredging Engineering Short Course held January 8-12, 2018 at Texas A&M University in College Station, Texas. The Center for Dredging Studies in the Department of Ocean Engineering sponsored the 4 ½ day short course. The 70 participants were one of the largest classes in the past ten years, and comprised of participants from the United States, Canada, Egypt, Indonesia, Columbia, and Peru.



*The class picture above shows the participants on the steps of the classroom building - 2018 Dredging Engineering Short Course Class Participants*

**The Dredging Short Course participants included:** Bryan Adams, Francisco Aragon, Kevin Ariyanonthaka, Michael Barner, Ellen Bourne, Bjorn Boydston, Thomas Burrow, Tricia Campbell, Luigi Anthony Cardenas Acuña, Kevin Colburn, Kent Collins, Heather Cross, Matt Daigle, Neil DeRosier, Michael Dunning, David Duplantis, Matthew Edwards, Karla Ellis, Helmy Elsaeed, Peter Forsthe, Paul Freeman, Karen Garmire, Terrance Geroux, Staci Goetz, Mari Gonzalez, Kenneth Good, Kelly Granberg, Trevor Greene, James Holm, James Horton, Ross Johnson, Alicia Jones, John Kochis, Jr., Rudy Kristanto, David Lieb, Drew Loney, Eric Lund, Farzam Maleki, Michael Malon, Thomas Mark, Bryce Marriott, Jonathan Marshall, Steven Mastro, Ryan McDonald, James McMillan, Benjamin Meemken, James Mundth, Christopher Napier, James Nicholson, Fusi Patel, Richard Perry, Richard Roth, Jane Sarosdy, Aric Schuster, John Shelley, William Simons, Michael Stonesifer, Laurence O’Hear Stoney, Matthew Sunday, Ross Thomas, Kathryn Thomas, Steven Tillquist, David Tran, Ruben Triqueros, Zachry Tyler, Brian Weyer, Andrew Williams, Elissa Yeates, Stanley Young and Jacob Zaono.

**The companies represented included:**

ANAMAR Environmental Consulting, Inc., Atkins Global, Barr Engineering Co., Bluegrass Materials, Callan Marine Ltd., Caterpillar Marine, Crossworks USA, Dredgit Environmental Corp., Duplantis Design Group, Eagle E&R, LLC, Foth Infrastructure & Environment, H&O Ingenieros S.A., J.F. Brennan Co., Inc., Massachusetts Maritime Academy, MENV, Oregon International Port of Coos Bay, Port of Long Beach, Port of Portland, PT Natalindo Eka Sejahtera, Sadco Engineering Works, Sarosdy Consulting, SeaLevel Construction, Inc., Southern Dredging, Suncor Energy, The Dutra Group, U.S. Army Corps of Engineers (ERDC, Portland, Rock Island, Galveston, Mobile, Los Angeles, Wilmington, Chicago, and Charleston Districts) and Wood.

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*Continued*

A wide range of dredging and dredged material placement topics were covered that include: dredge pump and slurry pipe flow principles, sediment resuspension, basic geotechnical engineering and dikes, dredge project cost estimating, dredge laws, cutter suction & hopper dredges & dredge automation, modeling large and small hydraulic dredges, mechanical and environmental dredging, dredged material placement, contaminated sediments, geotextile container systems, project management & permitting, instrumentation, advances in surveying and positioning, dredge quality management program, confined disposal and capping, environmental regulations, testing manuals, environmental aspects of dredging, wetland creation, enhanced settling of dredged material, beach nourishment, sand-water separation techniques, and beneficial uses of dredged material/engineering with nature.

At the conclusion of the first day of lectures, the participants attended the Texas BBQ dinner and watched the National Football Championship game on the big screen in the Student Recreation Center as shown below.



*Participants at Texas BBQ Dinner watching the national football championship game*

Dr. Mohan was assisted by Department staff John Reed, Peggy Rutkowski, Robyn Wright and student workers Jessica Heath, Kristian Wade, Sage Sales, and Parker Rodrigues. The course lecturers from Texas A&M were Dr. Charles Aubeny, Dr. Billy Edge, Dr. Jens Figlus, Dr. Ram Mohan, Dr. Marc Perlin, and Dr. Robert Randall. Lecturers from the dredging industry, academia, consultants, and federal governments were Brenda Allen (USACE), Ray Bergeron (Cable Arm), Dr. Joseph Gailani (USACE), Tom Jamieson (Tri-Flo), Dr. Donald Hayes (UNLV), Dr. Michael Palermo (Consultant), Robert Ramsdell (GLDD), Chris Ransome (CRA Inc.), Roger Santiago (Environment Canada), Dr. Burton Suedel (USACE), Dr. George Tichenor (SNF Corp.), Craig Vogt (Consultant), William Wetta (DSC), Dr. John Henriksen (Manson), Dana Treiweiler (Infrastructure Alternatives), Margaret Davis (Hile Group), and Jason Hudson (USACE).



*Dr. Ram Mohan lecturing on Contract Management in the short course classroom*

The short course participants attended the banquet on Thursday at the Memorial Student Center where each participant received their diplomas and continuing education certificates. Dr. Mohan addressed the participants at the banquet, and Dr. Randall gave out some raffle prizes to the attendees.



*Participants at banquet on Thursday evening in the Memorial Student Center*

“The short course has turned into a highly sought out engineering and project management training for entry and mid-level project managers in the dredging industry”, noted Dr. Mohan. The DSC continues to attract some of the industry’s top managers to Texas A&M. Many of the prior years’ graduates are now occupying key management positions throughout North America, and the world.

The 48th Dredging Engineering Short Course is scheduled for January 7-11, 2019 at Texas A&M University in College Station, Texas. The course fee is \$1500, and applications will be available in October 2018 at <https://engineering.tamu.edu/ocean/research/center-for-dredging-studies>. ○