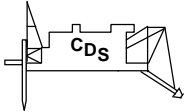


CUTTER SUCTION DREDGE SIMULATOR SHORT COURSE



January 18-20, 2010

A cutter suction dredge simulator course is offered to demonstrate the fundamentals of hydraulic dredging using a cutter suction dredge. Basic concepts of cavitation, deposition of sediment in the pipeline, pipeline length limitations, pump power limitations, and swing winch limitations are simulated. Different sediment conditions and channel currents are also simulated. A PC computer is interfaced to actual controls for a cutter suction dredge. A training manual for the course is provided. The course is held in the Haynes Coastal Engineering Laboratory, Texas A&M University, College Station, Texas, from January 18 through 20, 2010.



Simulators

Agenda

Time	Topic	
Monday, January 18, 2010		
8:00 – 8:30	Introduction	Randall
8:30 – 9:15	Dredge Hydraulics	Randall
9:15 – 10:00	Cutting & Dredge Advance	deJong
10:00 – 10:20	Refreshment Break	Coffee & Pastries
10:20 – 10:40	Simulator Scenarios & Files	Randall
10:40 – 11:00	Simulator Demonstration	deJong
11:00 – 11:30	Questions	deJong, Randall
11:30 – 12:30	Lunch	
12:30 – 1:30	Simulator Exercise TEXAM 17 & 10	Student # 1, 2 & 3
1:30 – 2:30	Simulator Exercise TEXAM 17 & 10	Student # 4, 5 & 6
2:30 – 3:00	Refreshment Break	Coffee & Pastries
3:00 – 4:00	Simulator Exercise TEXAM 17 & 10	Student # 7, 8 & 9
4:00 – 5:00	Review Simulator Exercise 17 Results	deJong & Randall
5:00	Return to hotel	
Tuesday, January 19, 2010		
8:00 – 9:00	Simulator Exercise TEXAM 13 & 12	Student # 1, 2 & 3
9:00 – 10:00	Simulator Exercise TEXAM 13 & 12	Student # 4, 5 & 6
10:00 – 10:30	Refreshment Break	Coffee & Pastries
10:30 – 11:30	Simulator Exercise TEXAM 13 & 12	Student # 7, 8 & 9
11:30 – 12:30	Lunch	
12:30 – 1:30	Review Simulator Exercise TEXAM 13 & 12 Results	deJong, Randall
1:30 – 2:30	Simulator Exercise TEXAM 8 & 14	Student # 1, 2 & 3
2:30 – 3:00	Refreshment Break	Coffee & Pastries
3:00 – 4:00	Simulator Exercise TEXAM 8 & 14	Student # 4, 5 & 6
4:00 – 5:00	Simulator Exercise TEXAM 8 & 14	Student # 7, 8 & 9
5:00	Return to hotel	
Wednesday, January 20, 2010		
8:00 – 9:00	Review Simulator Exercise TEXAM 8 & 14 Results	deJong & Randall
9:00 – 9:30	Simulator Final Exercise (Your Choice of Dredge)	Student # 1, 2 & 3
9:30 – 10:00	Simulator Final Exercise (Your Choice of Dredge)	Student # 4, 5 & 6
10:00 – 10:30	Simulator Final Exercise (Your Choice of Dredge)	Student # 7, 8 & 9
10:30 – 10:45	Refreshment Break	Coffee & Pastries
10:45 – 11:15	Review Final Exercise	deJong & Randall
11:45 – 12:00	Short Course Critique & Certificate Presentation	deJong & Randall

Convenient Bryan/College Station Lodging

- COMFORT SUITES, 907 University Drive East, College Station, TX 77840; 979/268-5500
- COLLEGE STATION SUPER 8, 301 Texas Ave., College Station, TX, 77840; 979/846-8800
- HAMPTON INN, 302 South Texas Ave., College Station, TX 77840; 979/846-0184
- HAWTHORN SUITES, 1010 University Dr., College Station, TX 77840; 97/695-9500
- HOLIDAY INN EXPRESS, 1203 University Drive East, College Station, TX 77840; 979/846-8700
- HOMEWOOD SUITES, 950 University Drive East, College Station, TX 77840; 979/485-8300

Airlines

AMERICAN EAGLE - connection from Dallas-Ft. Worth International Airport (DFW)
CONTINENTAL EXPRESS - connection from Houston Intercontinental Airport (IAH)

Local Airport

Easterwood Airport - serves College Station and Bryan areas (CLL)

Instructors

PETER S. DEJONG, Consultant, Digital Automation & Control Systems, Inc., Houston, TX; B.S., Technical College of Zwolle, M.S., Delft University, M.B.A., Northwestern University.
ROBERT E. RANDALL, Ford Professor of Ocean & Civil Engineering and Director, Center for Dredging Studies, at Texas A&M University; B.S., Ohio State; M.S., Ph.D., University of Rhode Island; P.E.

ENROLLMENT APPLICATION CUTTER SUCTION DREGE SIMULATOR SHORT COURSE JANUARY 19-20, 2010

Name, Last First M.I.

Position or Title

Employer

Street Address

City State Country Zip Code

Telephone Fax Email Address

Course Fee: \$1,500.00

Enrollment: Advance enrollment is required and may be made by individuals or companies. Applicants must mail or fax the completed enrollment application and mail a check for \$1500 payable to "Texas A&M University" or a government purchase voucher. A minimum of 4 participants is required to offer the short course and enrollment will be limited to a maximum of 9 participants. NO CANCELLATIONS WILL BE GRANTED AFTER DECEMBER 1, 2009.

Application Deadline: December 1, 2009.

Mail Application to: Dr. R. E. Randall
Center for Dredging Studies
Ocean Engineering Program
Zachry Department of Civil Engineering
Texas A&M University
College Station, TX 77843-3136

Questions & Information:

Dr. R. E. Randall (Director); Tel. 979/845-4568; Email: r-randall@tamu.edu
Administrative Assistant; Tel: 979/845-4515
Fax: 979/862-8162
Web Site: <http://oceaneng.civil.tamu.edu>