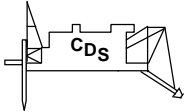


CUTTER SUCTION DREDGE SIMULATOR SHORT COURSE



January 19-21, 2009



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 19 through 21, 2009.



Simulators

Preliminary A G E N D A

Time		
Monday, January 19, 2009		
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	Student #1, 2 & 3
1:30 – 2:30	Simulator Exercise TEXAM 17	Student # 4, 5 & 6
2:30 – 3:00	Refreshment Break	Coffee & Pastries
3:00 – 4:00	Simulator Exercise TEXAM 17	Student #7, 8 & 9
4:00 – 5:00	Review Simulator Exercise 17 Results	deJong & Randall
5:00	Return to hotel	
Tuesday, January 20, 2009		
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	
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 21, 2009		
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 Dr. East, College Station, TX 77840; 979.268.5500
- COMFORT SUITES Aggieland, 2313 Texas Ave. S., College Station, TX 77840; 979.680.9000
- FAIRFIELD INN, 4613 Texas Ave. S., College Station, TX 77840; 979.268.1552
- HAMPTON INN, 302 Texas Ave. S., College Station, TX 77840; 979.846.0184
- HAWTHORN SUITES, 1010 University Dr. E., College Station, TX 77840; 979.695.9500
- HILTON HOTEL, 801 University Dr. E., College Station, TX 77840; 979.693.7500
- HOLIDAY INN EXPRESS, 1203 University Dr. E., College Station, TX 77840; 979.846.8700
- HOMEWOOD SUITES, 950 University Dr. E., College Station, TX 77840; 979.846.0400
- LaQUINTA INN, 607 Texas Ave. S., College Station, TX 77840; 979.696.7777
- SUPER 8 MOTEL, 301 Texas Ave. S., College Station, TX; 979.846.8800

Airlines:

AMERICAN EAGLE - Connection from Dallas (DFW)
CONTINENTAL EXPRESS - Connection from Houston (IAH)

Airport in College Station: Easterwood Airport (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, Professor of Ocean & Civil Engineering; Director, Center for Dredging Studies; B.S., Ohio State; M.S., Ph.D., University of Rhode Island; P.E.

**ENROLLMENT APPLICATION
CUTTER SUCTION DREGE SIMULATOR SHORT COURSE
JANUARY 19-21, 2009
(print legibly, please)**

Name, Last First M.I.

Position or Title

Employer

Street Address

City State Country Zip Code

Telephone Fax Email Address

Course Fee: \$1500

Enrollment: Advance enrollment is required and may be made by individuals or companies. Applicants must mail or fax the completed enrollment application and mail payment (check or money order) for \$1500* made 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 6 participants. NO CANCELLATIONS will be granted AFTER DECEMBER 1, 2008.

**Payment should be in U.S. funds and drawn on a U.S. bank or contact us for electronic payment information.*

Application Deadline: December 1, 2008.

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: 979/845-4516
Fax: 979/862-8162
Web Site: <http://oceaneng.civil.tamu.edu>