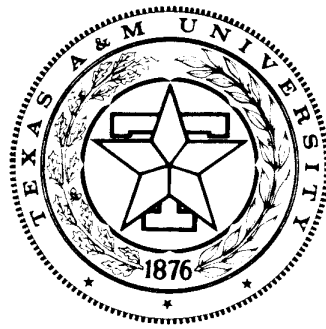
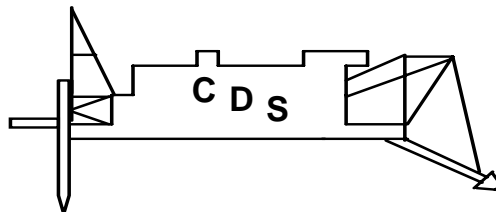


37th
DREDGING
ENGINEERING
SHORT COURSE

January 7-11, 2008



Sponsored by
CENTER FOR DREDGING STUDIES
OCEAN ENGINEERING PROGRAM
ZACHRY DEPARTMENT OF CIVIL ENGINEERING
in cooperation with
OFFICE OF PROFESSIONAL DEVELOPMENT
TEXAS A&M UNIVERSITY



37th DREDGING ENGINEERING SHORT COURSE

Preliminary Course Schedule

The dredging engineering short course includes a mixture of lectures, laboratories and discussions on the Texas A&M University campus in College Station, Texas. The course is administered by the Center for Dredging Studies Ocean Engineering Program, and Zachry Department of Civil Engineering. A textbook and course notes on all lecture material are provided. A certificate and continuing education units (~3.0 CEU's) are earned by attending this short course.

Monday, January 7, 2008 (8:00 - 5:00)

*FLUID MECHANICS; CENTRIFUGAL PUMPS; PUMP AFFINITY LAWS
PUMP CAVITATION
PUMP PERFORMANCE CHARACTERISTICS AND SYSTEM HEAD CURVES
SEDIMENT TRANSPORT IN PIPES
GEOTECHNICAL MECHANICS, PHYSICAL AND ENGINEERING PROPERTIES, DIKE DESIGN
DREDGING EQUIPMENT
MECHANICAL DREDGES, SEDIMENT RESUSPENSION*

Aubeny, Hayes, Bergeron, Randall

TEXAS BBQ DINNER (6:30 - 8:30)

Tuesday, January 8, 2008 (8:00 - 5:30)

*REMOVAL OF CONTAMINATED SEDIMENT
BASIC DREDGE LAWS
PRACTICAL DREDGE HYDRAULICS
SMALL HYDRAULIC DREDGES
CUTTERS AND CUTTER SUCTION DREDGE OPERATION
HOPPER DREDGES AND DREDGE CONTROL SYSTEMS
DREDGING LAB; GEOTECHNICAL LAB*

Aubeny, deJong, Randall, Santiago, Wetta

Wednesday, January 9, 2008 (8:00 - 5:30)

*PREDICTION OF THE FATE OF DREDGED MATERIAL PLACED IN OPEN WATER
DEMONSTRATION OF OPEN WATER DISPOSAL MODELS
SEDIMENT REMEDIATION TECHNOLOGY
HYDROGRAPHIC SURVEYING AND POSITIONING EQUIPMENT
BEACH NOURISHMENT, SAND BYPASSING AND JET PUMPS
DENSITY, FLOW AND PRODUCTION METERS
GEOTEXTILE CONTAINER SYSTEMS
DREDGING LAB; GEOTECHNICAL LAB*

Aubeny, Fowler, Edge, Erb, Gailani, Randall, Ransome, Simonelli, Smith

Thursday, January 10, 2008 (8:00 5:00)

*MANAGEMENT STRATEGIES AND FRAMEWORK FOR ENVIRONMENTAL EVALUATIONS
CAPPING AND CONFINED DISPOSAL OF DREDGED MATERIAL
PHILOSOPHY AND ECONOMIC ASPECTS OF DREDGING CONTAMINATED SEDIMENTS
DREDGED MATERIAL TESTING PROCEDURES AND EVALUATION OF TESTING RESULTS
EPA AND THE ENVIRONMENTAL ASPECTS OF DREDGED MATERIAL DISPOSAL
PORT PERSPECTIVE OF ENVIRONMENTAL DREDGING ISSUES
ENVIRONMENTAL QUESTION AND ANSWER PANEL
DREDGING LAB; GEOTECHNICAL LAB*

Aubeny, Chase, Hauch, Mohan, Palermo, Randall, Vogt

BANQUET (6:30 - 8:30)

Friday, January 11, 2008 (8:00 12:00 noon)

*DESIGN CONSIDERATIONS FOR CREATING/ RESTORING WETLANDS USING DREDGED MATERIAL
COST ESTIMATING OF DREDGING PROJECTS
BENEFICIAL USES OF DREDGED MATERIAL
ENHANCED SETTLING OF SUSPENDED SOLIDS
CERTIFICATE PRESENTATION*

Hunter, Mohan, Randall

Convenient Bryan/College Station Lodging

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

Airlines

AMERICAN EAGLE -connection from Dallas (DFW)

CONTINENTAL EXPRESS - connection from Houston (IAH)

Airport: Easterwood Airport (Bryan-College Station) (CLL)

INSTRUCTIONAL STAFF

Visiting Staff

THOMAS J. CHASE, Consultant, Alexandria, VA; B.S., University of Rhode Island.

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.

TOM L. ERB, TN Technologies, Round Rock, TX; B.S., Georgia Institute of Technology.

JACK FOWLER, Consultant, Geotec Associates, Vicksburg, MS, BS, Univ. of Mississippi, MS, Mississippi State Univ., Ph.D., Oklahoma State University, PE.

JOSEPH Z. GAILANI, Research Hydraulic Engineer, Coastal and Hydraulics Laboratory, Engineering Research and Development Center, Vicksburg, MS; B.S., M.S., Northwestern Univ.; Ph.D., Univ. of CA @ Santa Barbara.

ROBERT G. HAUCH, Physical Scientist, Galveston District, US Army Corps of Engineers, Galveston, TX; B.I.E. and B.S., Georgia Institute of Technology; M.S., Florida Institute of Technology.

DEWEY W. HUNTER, Business Manager, Ciba Specialty Chemicals Corporation; A.A.S. Purdue University; B.S. Regent University.

DONALD F. HAYES, Director, Center for Wetlands and Riparian Design, Dept. of Civil and Environmental Engineering, Univ. of Utah, Salt Lake City, UT; Ph.D., Colorado State University; P.E.

RAM K. MOHAN, Partner, Anchor Environmental, LLC, Newtown, PA ; B.S., Cochin University of Science & Technology, M.S., University of Rhode Island, Ph.D., Texas A&M University; P.E., Maryland and South Carolina.

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CHRIS R RANSOME, President, CRA, Inc., Houston, TX; B.Sc., Univ. of Southampton, UK; M.Sc., Univ. of Durham, UK.

ROGER SANTIAGO, Remediation Technologies Program, Environment Canada, Downsview, Ontario, Canada; B.E.S., University of Waterloo.

DAVID SIMONELLI, Great Lakes Dredge and Dock, Oak Brook, IL.

JARRELL SMITH, Coastal and Hydraulics Laboratory, Engineering Research and Development Laboratory, Vicksburg, MS; B.S.; M.S. Clemson University.

CRAIG VOGT, Director, Ocean & Coastal Division, US Environmental Protection Agency, Washington, DC; B.S., M.S., Oregon State University; P.E.

WILLIAM J. WETTA II, President, Dredging Supply Company, Reserve, Louisiana, BS, Louisiana State University, PE.

Texas A&M Staff

CHARLES P. AUBENY, Associate Professor of Civil Engineering, B.S., University of Arizona; M.S., University of Colorado; Ph.D., Massachusetts Institute of Technology; P.E.

BILLY L. EDGE, W.H. Bauer Professor of Dredging Engineering; Professor, Ocean & Civil Engineering; Head, Ocean Engineering Program; B.S., M.S. Virginia Polytechnic Institute; Ph.D., Georgia Institute of Technology; P.E.

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
37th DREDGING ENGINEERING SHORT COURSE
JANUARY 7-11, 2008

Name, Last First M.I.

Position or Title

Employer

Street Address

City State Country Zip Code

Telephone Fax Email Address

Course Fee: \$1310.00 (includes textbook, lecture notes, banquet and local transportation).

Enrollment: Advance enrollment is required and may be made by individuals or companies. Applicants must mail, fax or email completed enrollment application and mail a check for \$1310 payable to Texas A&M University or a government purchase voucher. NO CANCELLATIONS WILL BE GRANTED AFTER DECEMBER 1, 2007.

Application Deadline: December 1, 2007.

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

Questions & Information:

Dr. R. E. Randall (Director)

Tel: 979-845-4568; Fax: 979-862-8162; Email: r-randall@tamu.edu

Web Site: <http://oceaneng.civil.tamu.edu>

Administrative Assistant Tel: 979-845-4516