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**Volume 1 of 2**

**Editors:**

**Robert E. Randall**

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<b>Application of the Particle Tracking Model to Predict Far-Field Fate of Sediment Suspended by Nearshore Dredging and Placement at Brunswick, GA</b> Joseph Z. Gailani, Tahirih C. Lackey, and S. Jarrell Smith, U.S. Army Engineer Research and Development Center, USA	8B-4	1359
<b>A Model Calculation for Flow Resistance in the Hydraulic Transport of Sand</b> Ni Fusheng, Zhao Lijuan, and Xu Liqun, Hohai University, China; W.J. Valsblom, Delft University of Technology, The Netherlands	8B-5	1377
<b>SESSION 8C: DREDGING PROJECT CASE STUDIES V</b>		
<b>Rowing Line Dredging for Pan American Games 2007 Rio de Janeiro–Brazil</b> M. Batalha, Dratec Engenharia; C. Mesquita, Autonomous Consultant; F. Batalha, Dratec Engenharia; F. Soares, FEEMA, Brazil	8C-1	1385
<b>Development and Simulation of a Flywheel-Based Energy Storage System on a Clamshell Dredge</b> H.J. de Jong and K.R. Williams, KRW Technologies, Inc., USA	8C-2	1401
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<b>Effects of Agitation Dredging in Savannah Harbor</b> Francis Way, Christopher P. Ahern, Robert Semmes, and Matt Goodrich, Applied Technology & Management, USA	8C-4	1417
<b>Permitting A Marine Container Terminal on the Former Charleston Naval Station</b> Jack M. Ellis and K.F. Ziober, Applied Technology & Management, Inc., USA	8C-5	1433
<b>Production Engineering Development of a Dredging Engineering Discipline</b> Kyle D. Johnson and Robert C. Ramsdell, Great Lakes Dredge & Dock Company, USA	8C-6	1447
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<b>SESSION 9A: SEDIMENT DEWATERING, TREATMENT AND DISPOSAL</b>		
<b>A Description of Sediment Dewatering Methods</b> Matthew Englis and Dewey H. Hunter, Ciba Specialty Chemicals Corporation, USA	9A-1	1451
<b>Use of Geotube® Dewatering Containers in Environmental Dredging</b> B.J. Mastin and G.E. Lebster, WaterSolve, LLC., USA	9A-2	1467
<b>Processing Contaminated Sediment From the Miami River</b> H.W. van Dam and R. Dielhof, Boskalis Dolman, The Netherlands	9A-3	1487
<b>Metal Binding, Acid Neutralization and Minimization of Sulfide Oxidation in Dredge Spoil Material using ViroSoil™ Technology</b> Jim V. Rouse, Virotec USA; David McConchie and Malcolm Clark, Southern Cross University; Simon Tillotson, ERM Ltd.; Daniel Blair, Virotech Global Solutions, USA	9A-4	1493

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<b>An Innovative and Sustainable Solution for Sediment Disposal Problems</b> S. Foged, L. Duerinckx, and J. Vandekeybus, MWH, Belgium	9A-6	1513
<b>SESSION 9B: ST. LOUIS RIVER/INTERLAKE/DULUTH TAR SITE REMEDIATION</b>		
<b>The Role of Construction Quality Assurance (CQA) in Sediment Remediation</b> E.P. Hedblom, G.M. Partch, M.J. Costello, SERVICE Engineering Group, USA	9B-1	1529
<b>Environmental Applications for Sub-Surface Suction Dredging</b> Johan Pennekamp, WL/Delft, Delft, The Netherlands; Michael Costello, Luca Sittoni, and Timothy Wagner, SERVICE Engineering Group, USA	9B-2	1539
<b>St. Louis River/Interlake/Duluth Tar Site Remediation Sediment Operable Unit–2006 Sand Cap/Surcharge Project–Duluth, Minnesota</b> Brian Bell and Tim Tracy, Envirocon, Inc., USA	9B-3	1547
<b>Construction of a Contained Aquatic Disposal Facility End Dike Contractor's Perspective</b> T. Smith, Marine Tech, LLC, USA	9B-4	1551
<b>Dredged Material Placement Under Non-Segregating Conditions</b> W.G.M. Van Kesteren, A.M. Talmon and Joh.G.S. Pennekamp, WL/Delft Hydraulics, The Netherlands; M.J. Costello and W.A. Flynn, Service Engineering Group, USA	9B-5	1559
<b>Construction Management of the Saint Louis River/Interlake/Duluth Tar Remediation Project, Sediment OU, Duluth, Minnesota</b> Stuart H. Russell, Hard Hat Services, USA	9B-6	1571