

Civil and Environmental Engineering

Year 2011

Conference Papers

Mwafy, A.M., 2011, "Methodology for the verification of seismic design factors of shear wall buildings", Proceedings of the Sixth International Structural Engineering and Construction Conference (ISEC-6), June 21-26, Zürich, Switzerland.

Mwafy, A.M., and Ebead, U., 2011, "Evaluation of the seismic design factors of RC multi-story buildings", Proceedings of the Sixth International Structural Engineering and Construction Conference (ISEC-6), June 21-26, Zürich, Switzerland.

Mwafy, A.M., 2011, "Damage assessment of the multi-story buildings in the UAE under multiple earthquake scenarios", Proceedings of the First Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2011), 8-10 February 2011, Dubai, UAE.

Ebead, U., Mwafy, A.M. and Saeed, H., 2011, "Bonded/mechanically fastened FRP for RC beam strengthening", Proceedings of the Sixth International Structural Engineering and Construction Conference (ISEC-6), June 21-26, Zürich, Switzerland.

El Maaddawy, T., El-Dieb, A., and Shaikhoun, T., "Strengthening of Reinforced Concrete Columns Subjected to Biaxial Eccentric Loading with NSM Composite System", Structural Engineers World Congress (SEWC 2011), April 4-6, Como Cernobbio, Italy, 2011

A.S. El-Dieb and E.M. El-Said, "*Behavior of Reinforced Concrete Columns made with Ultra-High-Strength Fiber-Reinforced Self-Compacted Concrete (UHS-FR-SCC)*", Modern Methods and Advances in Structural Engineering and Construction, the Sixth International Structural Engineering Conference (ISEC-6), Editors. S.O. Cheung, S. Yazdani, N. Ghafoori & A. Singh, 21-26 June, 2011, Zurich, Switzerland, pp.1155-1160. Research Publishing Services (RPS). (Corresponding Author)

A.S. El-Dieb, M.A. El-Gharib, M.A.H. Abdel-Rahman, E.A. Nasr, "*Using Electrically Conductive Concrete for Grounding Applications*", Modern Methods and Advances in Structural Engineering and Construction, the Sixth International Structural Engineering Conference (ISEC-6), Editors. S.O. Cheung, S. Yazdani, N. Ghafoori & A. Singh, 21-26 June, 2011, Zurich, Switzerland, pp.1303-1308. Research Publishing Services (RPS). (Corresponding Author)

El Maaddawy, T. and El-Ariss, B., "Investigation into the Performance of Concrete Beams with Rectangular Openings Strengthened in Shear With CFRP Composites", Structural Engineers World Congress (SEWC 2011), April 4-6, Como Cernobbio, Italy, 2011

Hawileh, R., El-Maaddawy T., and Naser, M., "Non-linear FE Analysis of RC Deep Beams with Openings Strengthened with CFRP Composites", 1st Middle East conference on smart monitoring, assessment and rehabilitation of civil structures (SMAR 2011), Feb. 8-10, Dubai, UAE, 2011.

El-Maaddawy, T., and El-Sayed, M., "Load Capacity of Biaxially Loaded Reinforced Concrete Columns Confined with CFRP", 1st Middle East conference on smart monitoring, assessment and rehabilitation of civil structures (SMAR 2011), Feb. 8-10, Dubai, UAE, 2011

Selim M.Y.E., Maraqa M.A., Hawas Y.E., Mohamed A.M.O., Assessing vehicular inspection centers using multiple decision-making criteria, The Word Congress on Engineering 2011, Vol III, pp 2364-2369, 6-8 July, 2011, London, U.K.

Hawas, Y (2011) "A Simulation-Based Fuzzy Logic Model for Network Real-Time Signal Control and Transit Preemption" proceedings of the International Conference on Fuzzy Computations and Applications, FCTA, 24-26 October, 2011, Paris, France.
Hawas, Y, Khan, M, Basu, N and Ahmed, K (2011) "A Logical Approach for Geo-coding and Minimizing Noise in the Spatial Data of Public Bus Services in Urban Areas", proceedings of the 17th International Conference on Urban Transport and the Environment, 6 - 8 June 2011, Pisa, Italy
Al Nahyan. M.T, Sohal, A., Fildes, B, and Hawas Y. (2011). "Views of Contractors and Consultants on Construction Project Management in the United Arab Emirates" proceedings of the GBATA 13th Annual International Conference, Istanbul, Turkey, July 12-16th, 2011
Selim, M.Y.E., Maraqa, M., Hawas Y, and Onsy, A.M. (2011). "Assessing Vehicular Inspection Centers using Multiple Decision-Making Criteria". Proceedings of the World Congress on Engineering 2011 Vol III, WCE 2011, July 6 - 8, 2011, London, U.K.
Al Naser, N. and Hawas, Y. (2011) "Assessment of Traffic Safety Performance of School Buses in UAE", Proceedings of the 2011 International Conference on Traffic and Transportation Engineering- Dubai, UAE. March 18-20, 2011.
McIntosh, B.S., Hodgen, M., Laredo, L., Wolf, L., Gardner, T., Chowdhury, R., Maheepala, S. (2011) A GIS Approach for Identifying the Location and Attributes of Land Parcels for Stormwater Harvesting and Reuse in Greenfield Urban Development, In Begbie, D. K. and Wakem, S. L. (eds) Science Forum and Stakeholder Engagement: Building Linkages, Collaboration and Science Quality, Urban Water Security Research Alliance, 14-15 September, Brisbane. Pp 41-46.
Ashbolt, S., McIntosh, B.S., Gardiner, R., Chowdhury, R., Gardner, T., Aryal, S., Maheepala, S., Sheldon, F. (2011) Assessing the Effectiveness of SEQ Frequent Flow Management Objectives Against a Range of Urbanisation Extents for Tingalpa Creek, In Begbie, D. K. and Wakem, S. L. (eds) Science Forum and Stakeholder Engagement: Building Linkages, Collaboration and Science Quality, Urban Water Security Research Alliance, 14-15 September, Brisbane. pp 47-52.
Chowdhury, R. and Beecham, S. (2011). Performance Criteria for Multi-Sourced Urban Water Systems, 12 nd International Conference on Urban Drainage, Porto Alegre/Brazil, 10-15 September 2011.
Chowdhury, R., Gardner, T., Laredo, L., McIntosh, B. S., Maheepala, S. and Beecham, S. (2011). Biophysical Rules for Stormwater Harvesting in South East Queensland, Proceedings of the Stormwater Industry Association Queensland State Conference 2011, Gold Coast, May 2011.
Chowdhury, R. and Beecham, S. (2011). Stormwater Drainage Design under Climate Change and Variability Conditions, accepted for 34 th IAHR World Water Congress and Hydrology and Water Resources Symposium 2011, June 2011, Brisbane, Australia.
Sweedan, A.M.I. (2011) "Assessment of the Moment Carrying Capacity of Girders with Web Openings", Proceedings of the 6th International Structural Engineering and Construction Conference, Modern Methods and Advances in Structural Engineering and Construction, ISEC-6, Paper S2-S111, 21-26 June, Zürich, Switzerland.
El-Sawy, K.M. and Sweedan, A.M.I. (2011) "On the Elastic Local Buckling of the Webs of Steel Cellular Columns", Proceedings of the 6th International Structural Engineering and Construction Conference, Modern Methods and Advances in Structural Engineering and Construction, ISEC-6, Paper S2-S112, 21-26 June, Zürich, Switzerland.

Zaneldin, E. and El-Ariss, B. (2011). "A Dynamic Teaching System to Support the Design of Structural Steel Members." <i>The 3rd International Conference on Computer Supported Education (CSEDU 2011)</i> , May 06-09, Noordwijkerhout, The Netherlands, pp. 349-354.
M. Mohamed and N. Saleh. "Bioremediation of Groundwater Contaminated by Oil Spills in the Western Region of Abu Dhabi", Proceedings of the 20 th joint GCC-Japan Symposium GCC-JCCP conference, Abu Dhabi, UAE, 2011.
Mohamed, M. Assessment of the Factors That Influence Water Consumption in UAE. Proceedings of the Water Convention: Sustainable Water Solutions for a Changing Urban Environment, Singapore, July 4 - 8, 2011.
Ahmed, K. (2011) "Evaluation of Low Cost Technique Indirect Right Turns to Reduce Congestion at Urbanized Signalized Intersection in Developing Countries", 6th ISHC World Congress, Procedia Social and Behavioral Sciences 16. pp 568–577.
Aljassmi, H. and Han, S. 2011, "Construction Error Types: The Execution Stage of Dubai Projects", <i>The Firth International Conference Construction on Construction and Project Management</i> , 16-18 February, Sydney, Australia
Walid Elshorbagy and Moayyad Shawaqfa (June 2011). Development of an ASM1 Dynamic Simulation Model for an Activated Sludge Process in United Arab Emirates. Eighth IWA Leading-Edge Conference on Water and Wastewater Technologies. Amsterdam, Netherland.
Books
Edited Books
Book Chapters
Mohamed, M. Guidelines for Optimal Design of Electron Acceptors Injection Wells to Enhance Bioremediation of Contaminated Groundwater. In <i>Groundwater Quality Management in a Rapidly Changing</i> , IAHS Red Book Series, Publ. 342, p 404-411, Taylor and Francis, London, 2011.
Patents