

Civil and Environmental Engineering

Year 2012

Conference Papers

Mwafy, A.M., 2012, "Classification and idealization of the building stock in the UAE for earthquake loss estimation", Proceedings of the 15th World Conference on Earthquake Engineering, September 24 to 28, Lisbon, Portugal.

Mwafy, A.M., Hussain, N. and El-Sawy, K., 2012, "Seismic assessment and cost-effectiveness of high-rise buildings with increasing concrete strengths", Proceedings of the 15th World Conference on Earthquake Engineering, September 24 to 28, Lisbon, Portugal.

Mwafy, A.M. and Elkholy, S., 2012, "Comparative vulnerability assessment of retrofit techniques for pre-code RC structures", Proceedings of the 15th World Conference on Earthquake Engineering, September 24 to 28, Lisbon, Portugal.

Mwafy, A.M., 2012, "Impact of near-field ground motions on the vulnerability of multi-story buildings", Proceedings of the Australia and South East Asia Conference in Structural Engineering and Construction, Nov. 28 to Dec. 2, Perth, Australia.

Elkholy, S., Mwafy, A.M. and, 2012, "Vulnerability and cost assessment of seismically strengthened RC buildings", Proceedings of the Australia and South East Asia Conference in Structural Engineering and Construction, Nov. 28 to Dec. 2, Perth, Australia.

A.S. El-Dieb, A.F.B. Oan, M.M. Abdelwahab and S.H. Okba, "*Influence of Concrete Surface Treatment on Chloride Induced Reinforcement Corrosion Rate*", Research, Development & Practice in Structural Engineering & Construction, The 1st Australasia & South-East Asia Structural Engineering & Construction Conference (ASEA-SEC-1), Perth, Australia, 28 Nov.- 2 Dec. 2012. (Corresponding Author)

T.A. El-Maaddawy, A. Nessibi and A.S. El-Dieb, "*Performance of RC Beams Strengthened with Mechanically-Fastened FRP System under Corrosion Environment*", Research, Development & Practice in Structural Engineering & Construction, The 1st Australasia & South-East Asia Structural Engineering & Construction Conference (ASEA-SEC-1), Perth, Australia, 28 Nov.- 2 Dec. 2012.

T. El-Maaddawy, A. Bouchair, A. Biddah and A.S. El-Dieb, "*Flexural Behavior of Concrete T-girders Strengthened with NSM Composite System*", ASPIC 2012, 7th Asian Symposium on Polymers in Concrete (ASPIC 2012), Istanbul, Turkey, 3-5 Oct. 2012.

A.S. El-Dieb, "*Diffusion and Resistivity of Ultra-High-Strength Fiber-Reinforced Self-Compacting Concrete (UHS-FR-SCC)*", International Congress on Durability of Concrete (ICDC 2012), 18-21 June, 2012, Trondheim, Norway.

T.A. El-Maaddawy, Amna Nessibi, A.S. El-Dieb, "*Effect of Corrosion Exposure on Flexural Behavior of Concrete Beams Strengthened with MF-FRP System: A Pilot Study*", ACI-KC 3rd International Conference and Exhibition, Towards the Development of Resilient Sustainable Buildings and Structures, March 26-28, 2012, Kuwait.

El-Maaddawy, T. and Chekfeh, Y., "Effectiveness of NSM-GFRP Strengthening To Upgrade Shear Capacity of T-Beams With Corroded Stirrups", 6th International Conference on FRP Composites in Civil Engineering - CICE 2012, June 13-15, Rome, Italy, 2012

El-Maaddawy, T. and Chekfeh, Y., "Shear Strengthening of Concrete T-Beams with Corroded Stirrups Using EB-CFRP System", ACI-KC 3rd International Conference and Exhibition

Towards the Development of Resilient Sustainable Buildings and Structures, March 26-28, Kuwait, 2012.
El-Maaddawy, T., Nassibi, A., El-Dieb, A., “Effect of Corrosion Exposure on Flexural Behavior of Concrete Beams Strengthened with MF-FRP System”, ACI-KC 3 rd International Conference and Exhibition Towards the Development of Resilient Sustainable Buildings and Structures, March 26-28, Kuwait, 2012.
Al Naser N., Hawas Y.E., Maraqa M.A., A survey-based probabilistic statistical approach for characterizing drivers negative behaviors, Transport Research Arena, Europe 2012, 23-26 April, 2012, Athens, Greece.
Ahmed, F. and Hawas, Y. (2012) “A Threshold-Based Real-Time Incident Detection System for Urban Traffic Networks” , proceedings of the Transport Research Arena Conference, Greece, March, 2012
Al Naser, N. Hawas, Y. and Maraqa, M. (2012) “A Survey-based Probabilistic Statistical Approach for Characterizing Drivers Negative Behaviors” proceedings of the Transport Research Arena Conference, Greece, March, 2012
Khan, M. and Hawas, Y. (2012) “Fuzzy Logic Approach for Estimating 85th Percentile Speed Based on Road Attribute Data” proceedings of the 4th International Conference on Agents and Artificial Intelligence, Vilamoura, Algarve, Portugal, Feb 6-8, 2012.
Chowdhury, R. K. and Beecham, S. (2012) Teleconnectivity of Climate Indices and Their Spatial Temporal Influence on South Australian Rainfall Processes, 9th International Workshop on Precipitation in Urban Areas: Urban Challenges in Rainfall Analysis, 6-9 December 2012, St. Moritz, Switzerland, p240-244.
Chowdhury, R. K. and Beecham, S. (2012) Suitability of a Transitional Probability Matrix Model for Catchment Scale Rainfall Projections, 9th International Workshop on Precipitation in Urban Areas: Urban Challenges in Rainfall Analysis, 6-9 December 2012, St. Moritz, Switzerland, p233-239.
Rashid, M. M., Beecham, S. and Chowdhury, R. K. (2012) Multisite Spatial-Temporal Rainfall Analysis in the Onkaparinga Catchment using A Generalized Linear Model, 9th International Workshop on Precipitation in Urban Areas: Urban Challenges in Rainfall Analysis, 6-9 December 2012, St. Moritz, Switzerland, p106-110.
Chowdhury, R. and Beecham, S. (2012) South Australian Rainfall – Trends and Climate Drivers, Water and Climate: Policy Implementation Challenges: Practical Responses to Climate Change National Conference 2012, 1-3 May, National Convention Centre, Canberra, organized by Engineers Australia.
Chowdhury, R. and Beecham, S. (2012) Climate Change Impacts on the Hydrology of Aldgate and Inverbrakie Creeks, Water and Climate: Policy Implementation Challenges: Practical Responses to Climate Change National Conference 2012, 1-3 May, National Convention Centre, Canberra, organized by Engineers Australia.
Mwafy, A.M., Hussain, N. and El-Sawy, K., “Seismic Assessment and Cost-Effectiveness of High-Rise Buildings with Increasing Concrete Strengths“, 15 th World Conference on Earthquake Engineering (15WCEE), Lisbon. Portugal, 24-28 September 2012.
El-Sawy, K.M., “Inelastic Stability of Steel Liners with Local Imperfections”, The First Australasia and South-East Asia Structural Engineering and Construction Conference (ASEA-SEC-1), Vimonsatit, V., Singh, A., Yazdani, S. (eds.), ASEA-SEC-1, Perth, November 28–December 2, 2012.

Alhadid, M.M.A., Sweedan, A.M.I, & El-Sawy, K.M., “A simplified load-slip model for composite CFRP-GFRP laminates bolted to steel plates”, The First Australasia and South-East Asia Structural Engineering and Construction Conference (ASEA-SEC-1), Vimonsatit, V., Singh, A., Yazdani, S. (eds.), ASEA-SEC-1, Perth, November 28–December 2, 2012.
Zaneldin, E. and El-Ariss, B. (2012). "A Spreadsheet Model for Time-Cost Tradeoff Analysis and Project Control." <i>The First Australasia and South-East Asia Structural Engineering and Construction Conference(ASEA-SEC-1)</i> , November 28-December 2, 2012, Perth, Australia, pp. 979-984.
El-Ariss, B. and Zaneldin, E. (2012). "Modelling Scaffold Support System for Linear Analysis." <i>The First Australasia and South-East Asia Structural Engineering and Construction Conference(ASEA-SEC-1)</i> , November 28-December 2, 2012, Perth, Australia, pp. 165-170.
Zaneldin, E. (2012). "A System for Managing Changes in Course Material." <i>The 4th International Conference on Computer Supported Education (CSEDU 2012)</i> , April 16-18, 2012, Porto, Portugal, pp. 247-252.
M. Mohamed and S. Elmahdy. Delineation of Groundwater Potential Zones in the Eastern region of UAE, accepted to be presented in the 4 th International Conference on Environment (ICENV 2012), Malaysia, December 11-13, 2012.
Mohamed, M. Bioremediation of Groundwater Contaminated by Septic Tanks Effluents. Proceedings of the 6 th IAHR International Groundwater Symposium, Kuwait, November 19 - 21, 2012.
Abu-Lebdeh, G; Al –Omari. B; Ahmed, K; & Long. D (2012) “Modeling the Impact of Winter Maintenance on Pavement Marking Retroreflectivity”, International Conference on Advances Science and Contemporary Engineering (ICASCE), Procedia Engineering, Jakarta, Indonesia, Volume 50, Pages 942–956.
Aljassmi, H. and Han, S. 2012, “Identification and Quantification of the Causes of Construction Defects”, <i>The Third International Conference on Construction and Project Management</i> , 4-5 August, Dubai, U.A.E.
Walid Elshorbagy and Abu Bakr Elhakeem (July 2012). “Forecasting the Oil Spill Impacts on Coastal Desalination Plants in United Arab Emirates”. 11th International Conference on Modeling, Monitoring and Management of Water Pollution, New forest, UK.
Books
Edited Books
Book Chapters
Maraqqa M.A., Ali A., Imran H.D., Hamza W., and Al Awadi S., Effects of discharge characteristics on pollutant concentration at Jebel Ali Harbor, Dubai-UAE, In: Ecological Water Quality - Water Treatment and Reuse, InTech Open Access Publisher, ISBN: 978-953-51-0508-4, Chapter 18, pp 359-376, 2012.
Patents

