

Civil and Environmental Engineering

Year 2010

Conference Papers

Mwafy, A.M., 2010, "Fragility relationships for the modern high-rise buildings in the UAE", Proceedings of the 14th European Conference on Earthquake Engineering (14th ECEE), August 30th – September 3rd, Ohrid, Macedonia.

A.S. El-Dieb, T.A. El Maaddawy, and A.A.M. Mahmoud, "*Effect of Water-Soluble Polymers as Self-Curing Agent on Portland Cement Mixes Incorporating Silica Fume*", ACI Spring 2010 Convention, Chicago, USA, 21-25 March 2010. (Corresponding Author)

El Maaddawy, T., El-Sayed, M., and Abdel-Magid, B., "Effect of Section Shape and Load Eccentricity on Performance of RC Columns Wrapped with FRPs", *13th International Conference & Exhibition on Structural Faults & Repair*, June 15 -17, Edinburg, Scotland, 2010

Ahmed F., Hawas Y.E., and Maraqa M., Assessment of the traffic monitoring technologies of relevance to traffic safety in the UAE, Road Safety on Four Continents, March 28-30, 2010, Abu Dhabi, UAE.

Mohamed M.M. and Maraqa M., Environmental engineering education (E3) in the UAE: Survey and comparative study, The 5th International Forum on Engineering Education (IFEE2010), 23-25 Nov. 2010, Sharjah, UAE.

Hawas, Y.E., F. Ahmed and N. Al Naser (2010) "Detector Settings for Real-Time Traffic Signals" Proceedings of the 7th EUROSIM Congress on Modeling and Simulation - EUROSIM 2010, Prague, September, 2010.

Hawas, Y.E. (2010) "A Simulation-based Fuzzy Model for Traffic Signal Control" Proceedings of the 4th WSEAS International Conference on Computational Intelligence (CI'10), IASI, Romania, April, 2010

Hawas, Y., Thomsen, J., Alam, D. and Ahmed, N. (2010). "In-depth Investigation of Severe and Fatal Roadway Crashes in the Emirate of Abu Dhabi-UAE" Proceedings of the 15th International Conference on Road Safety in Four Continents (RS4C), March 2010, Abu Dhabi, UAE.

Khan, M.B., Hawas, Y., and Maraqa, M (2010). "Assessment of the Crash Database System of the United Arab Emirates", Proceedings of the 15th International Conference on Road Safety in Four Continents (RS4C), March 2010, Abu Dhabi, UAE.

Ahmed, F., Hawas, Y., and Maraqa, M (2010). "Assessment of the Traffic Monitoring Technologies of Relevance to Traffic Safety in UAE", Proceedings of the 15th International Conference on Road Safety in Four Continents (RS4C), March 2010, Abu Dhabi, UAE.

Al Naser, N., Hawas, Y., and Maraqa, M (2010). "Assessment of Road User Behavioral Aspects of Relevance to Traffic Safety in UAE", Proceedings of the 15th International Conference on Road Safety in Four Continents (RS4C), March 2010, Abu Dhabi, UAE.

Hassan, M.N., Hawas, Y., and Maraqa, M (2010). "Status of Traffic Safety in the UAE", Proceedings of the 15th International Conference on Road Safety in Four Continents (RS4C), March 2010, Abu Dhabi, UAE.

Chowdhury, R., Hartcher, M., Gardner, T. and Gardiner, R. (2010). Comparison of Different Methods of Catchment Impervious Area Estimation, 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, 28-29 September, Brisbane, Australia, 62-64.
Chowdhury, R., Gardner, T., Gardiner, R., Chong, M. and Tonks, M. (2010). Catchment Hydrologic Modelling for Stormwater Harvesting Study in SEQ: From Instrumentation to Simulation, 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, 28-29 September, Brisbane, Australia, 65-67.
Cook, S., Chong, M., Sharma, A., Gardner, T. and Chowdhury, R. (2010). Communal Rainwater Harvesting: Monitoring and Validation, 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, 28-29 September, Brisbane, Australia, 14-16.
Chong, M., Gardner, T., Chowdhury, R., Ort, C., Toze, C., Escher, B., Gardiner, R. and Tonks, M. (2010). Event-Based Stormwater Quality Measurement: Sampling Methodologies for Urban Catchments, 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, 28-29 September, Brisbane, Australia, 105.
Laredo, L., Chowdhury, R., Gardner, T. and Wolf, L. (2010). Spatial Analysis of Stormwater Harvesting Opportunities in SEQ, 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, 28-29 September, Brisbane, Australia, 107.
Sweedan, A.M.I. and El-Sawy, K.M., "Evaluation of the Stability of Locally Imperfect Liners under External Uniform Pressure", Proceedings of the 20th North American Society for Trenchless Technology (NASTT) Conference, NO-DIG 2010, Paper F-4-01, 2-7 May 2010, Chicago, Illinois, U.S.A.
Zaneldin, E. and El-Ariss, B. (2010). "Using Spreadsheets and VBA for Teaching Civil Engineering Concepts." <i>The International Conference on Education, Training and Informatics (ICETI 2010)</i> , April 06-09, 2010, Orlando, USA.
El-Ariss, B. and Zaneldin, E. (2010). "Using Microsoft Visual Basic as a Tool to Support the Design of Structural Steel Members." <i>ED-MEDIA 2010 Conference</i> , June 29-July 02, 2010, Toronto, Canada.
Mohamed, M. Modeling Oxygen Release into Contaminated Groundwater Aquifers to Facilitate Biodegradation. Proceedings of the 7 th annual international symposium on managed aquifer recharge, Abu Dhabi, UAE, October 9-13, 2010.
Mohamed, M. Guidelines for Optimal Design of Electron Acceptors Injection Wells to Enhance Bioremediation of Contaminated Groundwater. Proceedings of the Groundwater Quality conference GQ2010, Zurich, Switzerland, June 13 - 18, 2010.
Mohamed, M. and M. Sherif. Do UAE Civil Engineering Graduates Get Comparable Education to Graduates of Western Universities? Proceedings of the 5 th International Forum on Engineering Education (IFEE2010) Engineering Education in the 21 st Century - Quality, Globalization and Local Relevance, Sharjah, UAE November 2010.
Mohamed, M. and M. Maraqa. Environmental Engineering Education (E3) in the UAE: Survey and Comparative Study. Proceedings of the 5 th International Forum on Engineering Education (IFEE2010) Engineering Education in the 21 st Century - Quality, Globalization and Local Relevance, Sharjah, UAE, November 2010.

Mauga, T. and M. Kaseko. Modeling and Evaluating Safety Impacts of Access Management Features in the Las Vegas Valley. Presented at the 89th Annual Meeting of the Transportation Research Board, CD-ROM, 2010, Washington, DC.

Walid Elshorbagy and Mohamed Al Maamary (September 2010), Pressure Utilization in Water Transmission Pipelines Considering Transient Conditions, Water Distribution Systems Analysis 2010, Tucson, Arizona, USA.

Walid Elshorbagy (May 2010), “Integrated Urban Water Management in a New Coastal Developed Area in United Arab Emirates”, ASCE 2010 World Environmental & Water Resources Congress, Providence, Rhode Island, USA

Books

Edited Books

Book Chapters

Patents