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Centre of Build Environment

School of Planning, Architecture and Civil Engineering

INVITED BY

L2MGC LABORATORY

LABORATORY OF MECHANICS AND CIVIL
ENGINEERING MATERIALS

Dr. Mohammed Sonebi is a Senior Lecturer in the Centre of Build Environment, School of Planning, Architecture and Civil Engineering, Queen's University Belfast, UK. He is an editorial board member of "The Open Construction & Building Technology Journal", and "The Scientific World Journal (Civil Engineering)".

CURRENT RESEARCH INTERESTS

- Self-Compacting Concrete, High-Performance Concrete, and Underwater Concrete
- Performance of Structural Elements using Special Concrete
- Rheology and Modelling the Behaviour of Cement-Based Materials
- Nano-Technology of Cementitious Materials
- Durability and Repair, Recycling of Industrial by-Products in Cement-Based Composites
- Slurry Infiltrated Fiber Concrete (SIFCON)
- Geotechnical Cement Grouting
- Design and Analysis of Experimental Plans, Artificial Neural Network, Neuro-Fuzzy approach, and Genetic modelling.

EDUCATION

- Postgraduate Certificate in Higher Education (PGCHET): July 2006, Queen's University Belfast.
- Managing safely: Feb. 2006, Institution of Occupational safety and Health.
- 1997, PhD, Civil Eng. Thesis: "Development of High Performance, Self-Compacting Concrete for Underwater Repair of Hydraulic Structures", University of Sherbrooke, Sherbrooke, Canada, 453 p.
- 1985, MEng, Civil Eng., Building Structures, Bridges, and Pavements Title: "Design of a Cantilever Prestressed Concrete Bridge" École Mohammadia des Ingénieurs, 100 p.

SELECTED PUBLICATIONS

- Kwasny, J., Sonebi, M., Taylor, S., Bai, Y., Owens, K., Doherty, W. "Influence of the Type of Coarse Lightweight Aggregate on Properties of Semi-Lightweight Self-Consolidating Concrete", *ASCE Materials Journal in Civil Engineering*, Vol. 24, No. 12, 2012, pp. 1474-1483.
- Sonebi, M., Lachemi, M., Hossain, KMA. "Optimisation of Rheological Parameters and Mechanical Properties of Superplasticised Cement Grouts Containing Metakaolin and Viscosity Modifying Admixture", *Construction and Building Materials Journal*, Vol. 38, No. 1, 2013, 126-138.
- Sonebi, M., Bassuoni, M.T., "Investigating the Effect of Mixture Design Parameters on Pervious Concrete by Statistical Modelling", *Construction and Building Materials Journal*, Vol. 38, No. 1, 2013, pp. 147-157.
- Hossain, KMA., Lachemi, M., Sammour, M., Sonebi, M., "Influence of Polyvinyl Alcohol, Steel and Hybrid Fibers on Fresh and Rheological Properties of Self-Consolidating Concrete", *ASCE Materials Journal in Civil Engineering*, Vol. 24, No. 9, 2012, pp. 1211-1220.
- Sonebi, M., Malinov, S., "Neural Network Modeling of Rheological Parameters of Grouts Containing Viscosity Modifying Agent", *ACI Materials Journal*, Vol. 108, 2011, pp. 316-326.