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SHORT BIBLIOGRAPHY

Dr. Brahim Benmokrane (FCSCE, FACI, FIIFC, and FCAE) is Professor of Civil Engineering at the Department of Civil Engineering at the University of Sherbrooke (Sherbrooke, Quebec, Canada). He has obtained his engineering degree from Swiss Federal Institute of Technology of Lausanne, and his Ph.D. in civil engineering from University of Sherbrooke. He was a Project Leader in the Canadian Network of Centers of Excellence on Intelligent Sensing for Innovative Structures – ISIS Canada – during its two 7-year phases (1995-2009). Since April 2000, he is a Chair-holder of a Natural Science & Engineering Research Council of Canada (NSERC) Research Chair which involves research and development of Innovative Composite Fibre-Reinforced-Polymer (FRP) reinforcement for concrete structures and its field application in real structures. Several results have been achieved through this NSERC Chair including the development of new generation of FRP reinforcing bars, design models and guidelines based on extensive experimental full-scale prototypes, analytical modeling, and many field applications. In 2009, Professor Benmokrane was awarded a Tier 1 Canada Research Chair in Advanced Composite Materials for Civil structures. In 2010, he was appointed Director of the CRIB (Quebec-FQRNT Research Center in Concrete Infrastructure involving 25 researchers from 6 Quebec Universities). Professor Benmokrane is an active member in the CSA (Canadian Standard Association) committees on Design and Construction of Building Structures with Fibre-Reinforced Polymers (CSA S806), Specification for Fibre-Reinforced Polymers (CSA S807) and Canadian Highway Bridge Design Code (CSA S6; subcommittee S16), where he contributed for developing new Design Codes and Standards (CAN/CSA S806-02, CSA S806-12, CSA S6-06, CSA-S6-06/S1, and CSA S807-10).

Professor Benmokrane is known as an international leader in the field of FRP structural materials for civil and concrete infrastructures and he has made tremendous contributions to the progress of scientific research and practical applications in this field. His research work in this field has gained world-wide attention and increased the acceptance of FRP reinforcement for concrete structures. In addition to membership in many professional organizations such as ACI, CSCE, ASCE, and ASTM, he has published more than 300 technical papers. Professor Benmokrane has chaired four International Conferences on the Durability of FRP Composites for Construction and Rehabilitation (CDCC'98 in Sherbrooke, CDCC'2002 at Montreal, & CDCC'2007 and CDCC'2011 in Quebec City) and he was involved in the design, construction and monitoring of several bridges, parking garages, and others concrete structures reinforced with FRP bars. During the last ten years, Professor Benmokrane has trained more than 85 graduate students (M.S., Ph.D.) and postdoctoral fellows. Professor Benmokrane has prepared and given several workshops, seminars and short courses about the use of FRP composites for infrastructure and design codes in Canada, USA, Australia, Europe, and Middle East. Professor Benmokrane has received numerous awards and distinctions such as the NSERC Synergy Award for Innovation, the CSA Medal of Merit, the Canadian Society for Civil Engineering P.L. Pratley Award, and elected Fellow by the Canadian Academy of Engineering, the American Concrete Institute and the International Institute in FRP for Construction.