Editorial

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Biographical notes: Rajan Sen is a Professor of Civil and Environmental Engineering, at the University of South Florida where he has been a Faculty Member in both schools of engineering and architecture since 1984, and the holder of the Samuel and Julia Flom Chair. Dr. Sen was previously with the Department of Transport, London, England. He graduated from IIT, Kharagpur, India, and holds a master's from the University of British Columbia, Canada, and a PhD from SUNY, Buffalo. He is a Fellow of ACI, ASCE, has authored over 150 publications, and is on the editorial board of ASCE's Journal of Composites for Construction.

Corrosion damage of concrete structures is a worldwide problem. Repairing is complicated because of the interaction between the existing and new repair material that make durable repairs all the more difficult to achieve in practice. Failure of repairs and their subsequent re-repair is common and costly.

This special issue contains a collection of invited papers from consultants, government agencies, and researchers. Its goal is to provide information on successful practices and emerging solutions in a format, which will facilitate researchers and practitioners realise the ideal of durable, cost effective corrosion repairs. All papers were peer reviewed by experts from within and outside the US.

A wide variety of different topics are addressed ranging from sealants to sustainability. Additionally, background information on repairing concrete and corrosion mitigation strategies is included, to make it a valuable reference. Several highway agencies report on their experience, while researchers present information on the application of fibre reinforced polymers for corrosion repair. The important issue of cost is addressed by several authors. Though the majority of the papers relate to bridge applications, a case study on repairing corroding parking structures is also included.

The guest editor thanks the authors for their contributions and the panel of international reviewers for their constructive comments and suggestions. Special thanks are also due to Dr. M.A. Dorgham, Editor-in-Chief for his support and encouragement that made this issue a reality.