

WARREN K. GREEN

PUBLICATIONS AND LECTURES

1. **"Concrete Penetrability"**
Co-author with F Papworth
Paper presented to the Concrete Panel, Western Australian Institute of Engineers, Perth, WA, 1987
2. **"Evaluation of Coatings as Carbonation Barriers for Reinforced Concrete"**
Conference 28, Australasian Corrosion Association, Perth, WA, November 1988
3. **"Measurement of Steel Corrosion Rates in Concrete"**
Co-author with H C Hughes and H G Linge
Conference 28, Australasian Corrosion Association, Perth, WA, November 1988
4. **"Corrosion Rate Measurements of Reinforcement in Concrete by the Polarisation Resistance Technique"**
Postgraduate Diploma in Chemistry Research Project Report, Curtin University of Technology, December 1989
5. **"Reinforcement Corrosion, Repair Materials and Protective Coatings"**
Polymers and Building Technology Seminar, WA Branch, Royal Australian Chemical Institute, Perth, WA, April 1990
6. **"Laboratory Evaluation Testing of Repair Materials and Protective Coatings"**
Polymers and Building Technology Seminar, WA Branch, Royal Australian Chemical Institute, Perth, WA, April 1990
7. **"Deterioration of Concrete Due to Exposure to Ammonium Sulphate"**
Co-author with F G Collins
'Concrete for the Nineties' Conference, Leura, NSW, September 1990
8. **"Performance Related Evaluation of Cathodic Protection Criteria for Reinforced Concrete Structures"**
Co-author with G K Glass and J R Chadwick
32nd Corrosion Science Symposium, UMIST, Manchester, 18-20 September 1991
9. **"Electrochemical Rehabilitation of Concrete: Chloride Extraction and Realkalisation"**
Co-author with K W J Treadaway
The Corrosion of Steel in Concrete COMETT Course, University of Oxford, 25-27 September 1991
10. **"Practical Aspects of Concrete Repair and Cathodic Protection"**
Co-author with D C Pocock
The Corrosion of Steel in Concrete COMETT Course, University of Oxford, 25-27 September 1991
11. **"Long Term Performance of Cathodic Protection Systems on Reinforced Concrete Structures"**
Co-author with G K Glass and J R Chadwick
UK Corrosion 91 Conference, Manchester, 22-24 October 1991

12. **"Electrochemical and Chemical Changes in Chloride Contaminated Reinforced Concrete Following Cathodic Polarisation"**
Master of Science Dissertation, UMIST, November 1991
13. **"New Mechanism for Concrete Deterioration"**
Co-author with W R Grace
Engineers Australia, 12th June 1992
14. **"Electrochemical and Chemical Changes in Chloride - Contaminated Reinforced Concrete Following Cathodic Polarisation"**
Co-author with S B Lyon and J D Scantlebury
International Conference, Advances in Corrosion and Protection, UMIST, 28th June - 3rd July 1992
15. **"Performance Related Evaluation of Cathodic Protection Systems Applied to RC Structures"**
Co-author with J D Slatter
RILEM/CSIRO/ACRA Conference, Rehabilitation of Concrete Structures, Melbourne, 31 August - 2 September 1992
16. **"The Performance of Cathodic Protection Systems on Reinforced Concrete Structures in Hot Climates"**
Co-author with D C Pocock and S P Lee
3rd International RILEM Conference, Concrete in Hot Climates, Torquay, UK, 21-24 September 1992
17. **"Slag, Silica Fume and Fly Ash in WA - A Review"**
Co-author with W R Grace
Cement and Concrete Association Seminar, Concrete Performance The Role of Blended Cements, Perth, WA, 29 September 1992
18. **"Electrochemical Changes in Chloride - Contaminated Reinforced Concrete Following Cathodic Polarisation"**
Co-author with S B Lyon and J D Scantlebury
Corrosion Science, Vol 35, Nos 5-8, pp 1627-1631, 1993
19. **"Electrochemical Potential Measurements of Steel in Concrete"**
Co-author with F G Collins
Concrete in Australia, Vol 20, No 1, April 1994
20. **"Durability of Concrete"**
Concrete Institute of Australia Seminar, Perth, WA, 3 May 1994
21. **"Design and Specification of Durable Concrete"**
Concrete Institute of Australia (WA Branch) and Institute of Engineers Australia (SW Group) Joint Seminar, High Performance Concrete, Bunbury, WA, 27 May 1994
22. **"Reinforcement Corrosion Rate by the Polarisation Resistance Technique"**
Co-author with J P Grapiglia
Concrete in Australia, Vol 20, No 2, June 1994

- 23. "Chloride Ion Resistance Testing"**
Co-author with F G Collins
Concrete in Australia, Vol 20, No 3, September 1994
- 24. "Kwai Chung Container Terminal"**
Co-author with J Prior
Concrete in Australia, Vol 20, No 4, December 1994
- 25. "Testing and Modelling to Assess Early Age Thermal Cracking Risk"**
Co-author with F G Collins
Concrete in Australia, Vol 20, No 4, December 1994
- 26. "Long Term Performance of a Conductive Coating Cathodic Protection System on a Reinforced Concrete Structure in WA"**
Co-author with M A Nahas and J P Grapiglia
Corrosion Australasia, Vol 20, No 1, pp 10-13, February 1995
(Australasian Corrosion Association 1995 Arthur C Kennett Award winning paper)
- 27. "Water Permeability Testing of Concrete"**
Co-author with F G Collins
Concrete in Australia, Vol 21, No 1, April 1995
- 28. "Recent Developments in Cathodic Protection Systems"**
Co-author with M A Nahas
Concrete Institute of Australia, WA Branch, Annual Technology Seminar "What's New in Concrete", Perth, WA, May 1995
- 29. "Engineered Maintenance of Civil Port Structures"**
Co-author with F G Collins and G Spiliopoulos
12th Australasian Coastal & Engineering Conference and the 5th Port & Harbour Conference, The Carlton Radisson Hotel, Melbourne, 28 May-2 June 1995
(1995 PIANC Young Author Award winning paper)
- 30. "Recent Developments in Cathodic Protection Systems for Reinforced Concrete"**
Co-author with J P Grapiglia
Corrosion & Prevention 95 Conference, Australasian Corrosion Association, Perth, 12-15 November 1995
- 31. "Testing of Anticarbonation Coatings for Concrete"**
Co-author with A M Peek
Concrete in Australia, Vol. 21, No. 4, December 1995
- 32. "Alkali-Aggregate Reaction in Australia"**
Co-author with A Shayan and F G Collins
10th International Conference on AAR in Concrete, Melbourne, 19-23 August, 1996
- 33. "Assessment and Management of a Marine Structure Affected by ASR"**
Co-author with M J Davies, W R Grace and F G Collins
10th International Conference on AAR in Concrete, Melbourne, 19-23 August, 1996

34. **“Influence of Surface Treatments on Reinforcement Corrosion Rates in a Carbonated Building in Western Australia”**
Co-author with A M Peek and P W Trinder
13th International Corrosion Congress, Melbourne, 25-29 November, 1996
35. **“Engineered Maintenance of Civil Port Structures”**
Co-author with F G Collins and G Spiliopoulos
Australian Civil/Structural Engineering Transactions, Vol. CE38, No. 2, 3 & 4, pp 59-64, 1996
36. **“Grassy Wharf Five Years On - The Performance of a Cathodic Protection System”**
Co-author with R W McGee and M G Ali
Concrete 97 Conference, Concrete Institute of Australia, Adelaide, 14-16 May, 1997
37. **“General Theory and Trials of Electrochemical Realkalisation and Desalination Repair Systems”**
Concrete Institute of Australia Technical Meetings, Sydney, 23 April, Brisbane, 1 May, 1997
38. **“Assessment of Protective Coatings for Concrete Bridges in Marine or Saline Environments”**
Co-author with F Andrews-Phaedonos, F G Collins and A M Peek
Corrosion and Prevention 97 Conference, Australasian Corrosion Association, Brisbane, 9-12 November 1997
(Australasian Corrosion Association 1998 Arthur C Kennett Award winning paper)
39. **“Condition Assessment and Maintenance of Wharf Facilities within Newcastle Harbour”**
Co-author with D J Layzell, M J Moore and M G Ali
2nd RILEM Conference on Rehabilitation of Structures, Melbourne, 21-23 September, 1998
40. **“Five Year Performance of the Grassy Wharf Concrete Cathodic Protection System”**
Co-author with R W McGee and M G Ali
Australian Journal of Structural Engineering, Vol. SE1, No. 1, pp 57-65, 1998
41. **“Performance Assessment of Chloride Barrier Coatings for Concrete in Marine and/or Saline Environments”**
Co-author with A M Peek, F Andrews-Phaedonos and D J Payne
Corrosion and Prevention 98 Conference, Australasian Corrosion Association, Hobart, 23-25 November 1998
42. **“Ulladulla Harbour Fisherman’s Jetty Installation and Performance of a Concrete Cathodic Protection System”**
Co-author with M G Ali and T Young
Coasts & Ports ’99, 14th Australasian Coastal and Ocean Engineering Conference and 7th Australasian Port and Harbour Conference, Perth, 14-16 April 1999
43. **“Five Year Performance of a Wharf Concrete Cathodic Protection System in Australia”**
Co-author with M G Ali and R W McGee
The Arabian Journal for Science and Engineering, Vol. 24, No. 2B, pp 229-242, October 1999

- 44. “A Review of Concrete Corrosion Inhibitors”**
Co-author with A M Peek
Corrosion and Prevention 99 Conference, Australasian Corrosion Association, Sydney, 22-24 November 1999
(Australasian Corrosion Association 2000 David Whitby Review Paper Award winning paper)
- 45. “Non-Destructive Determination of the Sheet Resistance of Conductive Coating Anodes on Concrete”**
Co-author G K Glass and S N Field
Anti-Corrosion and Materials, Vol. 47, No. 1, pp 5-10, 2000
- 46. “Australasian Experiences with Cathodic Protection of Concrete Structures”**
Cathodic Protection of Concrete Structures Seminar, Corpro Companies (NZ) Ltd, Wellington, New Plymouth, Auckland, 2, 3 & 5 April 2001
- 47. “Corrosion Monitoring and Cathodic Prevention to Achieve Durable Concrete Structures in Chloride Environments”**
Cathodic Protection of Concrete Structures Seminar, Corpro Companies (NZ) Ltd, Wellington, New Plymouth, Auckland, 2, 3 & 5 April 2001
- 48. “Sacrificial Cathodic Protection of Reinforced and Prestressed Concrete Structures Using a Thermally Sprayed Aluminium Alloy”**
Co-author with S F Daily
Concrete 2001 Conference, Concrete Institute of Australia, Perth, 11-14 September 2001
- 49. “Australasian Experiences with Cathodic Protection of Concrete Marine Structures”**
Coasts & Ports 2001, 15th Australasian Coastal and Ocean Engineering Conference and 8th Australasian Port and Harbour Conference, Marriott Resort, Gold Coast, Queensland, 25-28 September 2001
- 50. “Lynch’s Bridge – A Case Study in the Cathodic Protection of Reinforced Concrete”**
Co-author with F Andrews-Phaedonos, G Brewster and D McCormick
Corrosion & Prevention – 01 Conference, Australasian Corrosion Association, Newcastle, 18-21 November 2001
- 51. “Changes in Repair and Protection of Reinforced Concrete”**
Corrosion & Materials, Vol 28, No 4, pp 8 & 9, August 2003