SPIS TREŚCI
is. 1

1 Editorial / G. Morgenthal

BRIEFING
3 French bridge elegance and the future / M. Virlogeux

PAPERS
5 Experimental verification of a stay cable delta frame model / P.S. Nimse, D.K. Nims, A. Helmicki and V.J. Hunt
16 Monitoring and repair of an impact damaged prestressed bridge / V. Pakrashi, J. Harkin, J. Kelly, A. Farrell and S. Nanukuttan
30 Design of cross-girders and slabs in ladder deck bridges / C.R. Hendy, J. Sandberg and D. Iles
36 Kinetic analysis and rehabilitation of old bascule bridge in Tianjin, China / X. Liu, J.H.G. Macdonald and W. Chen
51 A spatial view of the flow of force in masonry bridges / B. Harvey

59 Elsewhere in ICE Proceedings

61 Award-winning paper in 2011

62 Bridge Engineering: Referees 2012
Editorial / I. M. Frostick and S. J. Matthews

PAPERS

65 Bridges by 'Engineers Without Borders Germany' / G. Morgenthal and S. Timmermann

76 Building bridges from the Foyle to Ojague / P. T. A. Donald

83 The challenges of humanitarian access bridges in Democratic Republic of Congo / S. Bird and T. P. Simon

95 Design and construction of bridges in Fiji / S. Amir-Ansari

104 Design and construction of Zambezi River Bridge, Mozambique / A. J. Reis, J. J. Oliveira Pedro and B. Dalili

126 My Thuan - Vietnam's first cable-stayed bridge / P. M. Palmer
Editorial: Arch bridges - modern developments / G. Cole and A. Daly

PAPERS

143 Rapid construction of arch bridges using the innovative FlexiArch / A. Long, J. Kirkpatrick, A. Gupta, S. Nanukuttan and D. Mc Polin

154 Precast concrete voussoir geometry in a skewed arch bridge / J. Redpath

163 State-of-the-art of spatial arch bridges / M. Sarmiento-Comesías, A.M. Ruiz-Teran and Á.C. Aparicio

177 Network arch bridges at Trinec-Baliny, Czech Republic / M. Foglar and A. Lubas

186 Stability of network arch bridges under traffic loading / M. Pircher, M. Stacha and J. Wagner

193 Improved hanger design for robustness of through-arch bridges / R.-J. Jiang, F.T.K. Au and Q.-M. Wu

205 Investigation of in-plane behaviour of concrete-filled steel tubular model arches with corrugated steel webs / J. Gao and B.C. Chen

217 The design and construction of the new Mizen Head Footbridge, Ireland / K. Ruane, M. Coleman, E. Collery, E. Lehane, B. Minihane, R. O'Donovan, N. O'Keeffe and K. Power
229  Editorial / G. Morgenthal

PAPERS
231  Extradosed and cable-stayed bridges, exploring the boundaries / D. Collings and A.S. Gonzalez
240  Design of railway bridges considering life-cycle assessment / V. Thiebault, G. Du and R. Karoumi
252  Lifecycle management of footbridges: a framework / L.H. Ho
262  Glasgow Central station: a new bridge, track and platforms / M. Hackney, D. Boothman, S. Nutley and S. Brown
273  The Viana footbridge: construction and dynamic monitoring / R. Barbosa, F. Magalhães, E. Caetano and A. Cunha

Oprac. BPK