Structural Engineering International
International Association for Bridge and Structural Engineering

Contents 4/2015

Editorial
Geneva Spirit; E. Brühwiler, Switzerland 369

25th Anniversary Special
Introduction: 25 Years of SEI; A. Schumacher 373
The Millau Viaduct — Ten years ago; L. Foster; UK, M. Virlogeux; France 373
The Millau Viaduct, France: Ten Years of Structural Monitoring; E. Cachot, T. Vaysseude, M. Virlogeux, H. Lancon, Z. Hajar, C. Servant; France 375
The Impact of the Sunniberg Bridge on Structural Engineering, Switzerland; T. Vogel, K. Schellenberg; Switzerland 381
The Design and Construction of the World’s Tallest Building: The Burj Khalifa, Dubai; B. Baker, J. Pawlikowski; USA 389

Scientific Papers*
Reliability of RC Bridge Supports Designed to Resist Heavy Goods Vehicle Collisions; I. Björnsson; Sweden 395
Longitudinal Deformations of a Concrete Bridge Deck Under Construction; P. Menétrey, C. Broquet, F. Pires; Switzerland 405
Application of a Perfobond Rib Shear Connector Group in a Beam–Arch Hybrid Bridge; F. Xu, Z. Zhang, D. Wang, H. Wang; China 414
Blast Response and Failure Analysis of a Segmented Buried Tunnel; S. Koneshwaran, D. P. Thambiratnam, C. Gallage; Australia 419
Steel Fibers as the Only Reinforcement in Concrete Slabs: Flexural Response and Design Chart; H. Singh; India 432
Retrofitting Alternatives for Pavia’s Cathedral; G. Macchi, S. Macchi; Italy 442
Excessive Pedestrian-Induced Swaying in Code-Compliant Walkways; M. C. Porcu, F. Pittau; Italy 450

Technical Report
The Circular Footbridge of Rzeszów, Poland; T. Siwowski, A. Wysocki; Poland 460

PhD Abstracts 467

IABSE News
Structural Engineering International Celebrates 25 Years of Publishing! 470
IABSE Awards 2015 472
IABSE Conference Geneva 2015 476
Special Moments at the Geneva Conference 2015 481
IABSE-JSCE Conference on Advances in Bridge Engineering-III 483
IABSE Annual Meetings 484
IABSE Committee Membership 486
Calendar of Events 487
IABSE Membership/SEI Subscription 488

*Peer-reviewed papers

Front Cover:
Millau Viaduct, France. Photocredits: Effiage, see article on pg. 375

Structural Engineering International 4/2015 365