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**Developments and Applications
in
Computational Structures Technology**

Edited by

**B.H.V. Topping, J.M. Adam, F.J. Pallarés
R. Bru and M.L. Romero**



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Back cover image: Modal shape for a numerical model of Filippo Brunelleschi’s Dome of Santa Maria del Fiore in Florence. For more information, see Chapter 12 by M. Betti, G. Bartoli and C. Borri.

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Contents

Preface	v
Editorial Board	vii
1 Computational Advances in Masonry Structures: From Mesoscale Modelling to Engineering Application P.B. Lourenço, D.V. Oliveira and G. Milani	1
2 Recent Advances in Global-Local Multiscale Methods for Computational Mechanics S. De and Rahul	25
3 Fundamental Aspects in Modelling the Constitutive Behaviour of Fibrous Soft Tissues M. Doblaré, E. Peña, M.A. Martínez and B. Calvo	49
4 A Modern and Compact Way to Formulate Classical and Advanced Beam Theories E. Carrera, G. Giunta and M. Petrolo	75
5 On Interface Modelling using Asymptotic Techniques F. Lebon	113
6 Meshless Methods for Upper Bound and Lower Bound Limit Analysis of Thin Plates C.V. Le, M. Gilbert and H. Askes	145
7 Flexible Multibody Dynamics or Large Rotations in Finite Element Analysis J. Ambrósio and M. Augusta Neto	169
8 Structural Topology Optimization: History, Impact on Technology and Future Perspectives G.I.N. Rozvany	201
9 Dynamics of Suspended Cables Crossed by Moving Oscillators G. Muscolino and A. Sofi	221

10	Designing Lightweight Armours for the Future L. Iannucci	245
11	Performance Based Design of Building Structural Frames using Static Non-Linear Analysis R.C. Barros and M.B. Cesar	269
12	Filippo Brunelleschi and the Dome of Santa Maria del Fiore M. Betti, G. Bartoli and C. Borri	309
13	On the Use of Numerical Methods for the Design of Deep Excavations with Diaphragm Walls in Urban Areas: Possibilities and Limitations P.A. Calderón	329
	Author Index	351
	Keyword Index	352

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Preface

This volume comprises the invited lectures presented at The Tenth International Conference on Computational Structures Technology (CST 2010) held in Valencia, Spain from 14 to 17 September 2010. The CST conference series began in Edinburgh during 1991. The 2010 conference was held concurrently with The Seventh International Conference on Engineering Computational Technology (ECT 2010). We are grateful to the authors and co-authors of the Invited Lectures included in this volume. Their contribution both to these conferences and this book is greatly appreciated.

Other papers presented at the conferences in 2010 are published as follows:

- *The Invited Review Lectures from CST 2010 and ECT 2010 are published in:* Computational Technology Reviews, Volumes 1 and 2, Saxe-Coburg Publications, Stirlingshire, Scotland, 2010.
- *The Invited Lectures from ECT 2010 are published in:* Developments and Applications in Engineering Computational Technology, B. H.V. Topping, J.M. Adam, F.J. Pallarés, R. Bru and M.L. Romero, (Editors), Saxe-Coburg Publications, Stirlingshire, Scotland, 2010.
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