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**Proceedings of the
First International Conference on Soft Computing Technology in
Civil, Structural and Environmental Engineering**

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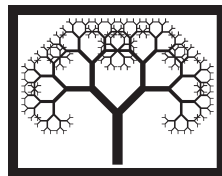
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Proceedings of the Fourth International Conference on Engineering Computational Technology

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**Proceedings of the
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Preface

This volume comprises the summaries of contributed papers presented at The First International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering (CSC 2009) held in Funchal, Madeira, Portugal from 1 to 4 September 2009. The full papers from the conference are available on the accompanying CD-ROM. This is the first in a new conference series. The CSC 2009 conference was held concurrently with The Twelfth International Conference on Civil, Structural and Environmental Engineering Computing (CC 2009).

The special sessions included in this volume of Proceedings are:

- Hybrid Optimization Algorithms
organised by A. Csébfalvi
- Soft Computing Methodologies applied to Water-related Technologies
organised by I.K. Nikolos and M.P. Papadopoulou

We are particularly grateful to the organisers of these special sessions.

The following sessions are also included in this volume:

- Genetic Algorithms
- Evolutionary Algorithms
- Ant Colony Optimization
- Particle Swarm Techniques
- Neural Networks
- Cellular Automata
- Fuzzy Methods
- Fuzzy Clustering
- Optimization under Uncertainty
- Data Mining
- Machine Learning
- Risk Analysis
- Decision Processes
- Methods for Generating Response Surfaces

Other papers presented at the conferences in 2009 are published as follows:

- *The Invited Lectures from CC 2009 are published in:*
Trends in Civil and Structural Engineering Computing, B.H.V. Topping, L.F. Costa Neves and R.C. Barros, (Editors), Saxe-Coburg Publications, Stirlingshire, Scotland, 2009.
- *The Invited Lectures from CSC 2009 are published in:*
Soft Computing in Civil and Structural Engineering, B.H.V. Topping and Y. Tsompanakis, (Editors), Saxe-Coburg Publications, Stirlingshire, Scotland, 2009.

- *The Contributed Papers from CC 2009 are published in:*
 Proceedings of the Twelfth International Conference on Civil, Structural and Environmental Engineering Computing, B.H.V. Topping, L.F. Costa Neves and R.C. Barros, (Editors), (Book of Summaries and CD-ROM), Civil-Comp Press, Stirlingshire, Scotland, 2009.

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