

**Proceedings of the
Third International Conference on
Engineering Computational Technology**

Civil-Comp Press Books on Computational Engineering

Proceedings of the Sixth International Conference on Computational Structures Technology

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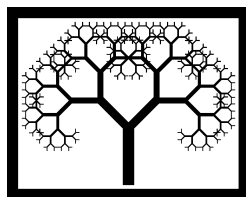
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Parallel Finite Element Computations

B.H.V. Topping and A.I. Khan

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B.H.V. Topping and Z. Bittnar



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Preface

This volume comprises the extended abstracts of contributed papers presented at The Third International Conference on Engineering Computational Technology (ECT 2002). The full papers from the conference are available on the accompanying CD-ROM. The conference was held concurrently with The Sixth International Conference on Computational Structures Technology (CST 2002). Both conferences were organised in conjunction with and held at the Faculty of Civil Engineering, Czech Technical University in Prague, Czech Republic, from 4 to 6 September 2002. These conferences are part of the CST–ECT series that commenced in 1991.

The topics included in these Proceedings are:

- Information Systems for Finite Element Techniques
- Engineering Design
- Knowledge Based Systems
- Object Oriented Methods
- CAD and Mesh Generation
- Virtual Reality
- Engineering Simulation
- Boundary Element Methods
- Three-Dimensional Simulations in Underground Works
(special session organised by: Th. Zimmermann)
- Solution Methods for the Navier-Stokes Equation
(special session organised by: S.C.R. Dennis)
- Industrial Applications of CFD
(special session organised by: A.C. Benim)
- Analysis and Modelling of Fluid Problems
- Simulation of Casting and Forging Problems
- Parallel and Distributed Computing

- Multibody Modelling and Simulation
- Database Applications
- Geotechnical Engineering: Analysis and Design
- Optimization for Engineering Design
- Genetic Algorithms for Engineering Design
- Neural Networks in Engineering Design and Analysis

We should like to thank all the authors and co-authors of the papers included in this volume of proceedings. We are especially grateful to those who took the time and made the effort to participate in Prague.

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