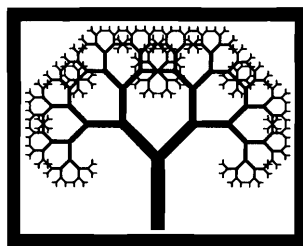


**ADVANCES  
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COMPUTATIONAL MECHANICS  
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PARALLEL AND DISTRIBUTED  
PROCESSING**



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*Edited by  
B.H.V. Topping*



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# ❖CONTENTS❖

## 1. INTEGRATED MODELLING AND PARALLEL PROCESSING

- 1.1 AN INTEGRATED APPROACH TO MULTI-DISCIPLINARY COMPUTATIONAL ENGINEERING ON PARALLEL PLATFORMS, N.P. Weatherill, K. Morgan, O. Hassan, M.J. Marchant, E.A. Turner-Smith, P.J. Brookes and M.T. Manzari, Department of Civil Engineering, University of Wales, Swansea, United Kingdom..... 1

## 2. PARALLEL MESH AND SUBDOMAIN GENERATION

- 2.1 A SIMPLE AND EFFICIENT METHOD FOR CONVERTING TRIANGULAR MESHES TO MIXED MESHES IN PARALLEL MESH GENERATION, B. Cheng and B.H.V. Topping, Department of Mechanical and Chemical Engineering, Heriot-Watt University, Edinburgh, United Kingdom ..... 15
- 2.2 IMPROVED MESH GENERATION: NOT SIMPLE BUT GOOD, F. Neugebauer and R. Diekmann, University of Paderborn, Paderborn, Germany ..... 25
- 2.3 SIMULTANEOUS ADAPTION OF A FREE-FORM SURFACE MODEL AND ITS ASSOCIATED UNSTRUCTURED FINITE ELEMENT MESH, F. Noel, Laboratory of Soils, Solids and Structures, Universite Joseph Fourier, Grenoble, France ..... 37
- 2.4 PARALLEL ADAPTIVE MESH GENERATION, M. Burghardt, L. Laemmer and U. Meißner, Institute for Numerical Methods and Informatics in Civil Engineering, University of Technology Darmstadt, Darmstadt, Germany ..... 45
- 2.5 TOWARDS THREE-DIMENSIONAL SUBDOMAIN GENERATION, C. Seale and B.H.V. Topping, Department of Mechanical and Chemical Engineering, Heriot-Watt University, Edinburgh, United Kingdom ..... 53

## 3. STATIC PARTITIONING

- 3.1 PARTY - A SOFTWARE LIBRARY FOR GRAPH PARTITIONING, R. Preis and R. Diekmann, Heinz Nixdorf Institute, University of Paderborn, Paderborn, Germany ..... 63
- 3.2 A TOOL FOR THE EVALUATION OF PARTITIONING METHODS, S. Greb, L. Laemmer and U. Meißner, Institute for Numerical Methods and Informatics in Civil Engineering, University of Technology Darmstadt, Darmstadt, Germany ..... 73
- 3.3 UNSTRUCTURED MESH APPLICATIONS AT EDINBURGH PARALLEL COMPUTING CENTRE: LIBRARIES, APPLICATIONS AND INTERACTIVE LEARNING, R.M.Baxter, R.A. Davey and D.S. Henty, Edinburgh Parallel Computing Centre, University of Edinburgh, Edinburgh, United Kingdom ..... 81

## 4. DYNAMIC LOAD BALANCING

- 4.1 MESH PARTITIONING AND LOAD BALANCING FOR DISTRIBUTED MEMORY PARALLEL SYSTEMS, C. Walshaw, M. Cross and M.G. Everett, School of Computing and Mathematical Sciences, University of Greenwich, London, United Kingdom..... 97
- 4.2 IMPROVED PARALLEL MESH GENERATION THROUGH DYNAMIC LOAD BALANCING, N. Touheed and P.K. Jimack, School of Computer Studies, University of Leeds, Leeds, United Kingdom . 105
- 4.3 DYNAMIC LOAD BALANCING FOR PARALLEL ADAPTIVE FINITE ELEMENT TECHNIQUES, L. Laemmer, Institute of Numerical Methods and Informatics in Civil Engineering, University of Technology Darmstadt, Darmstadt, Germany ..... 113

4.4 EFFICIENCY vs. USABILITY FOR FIRST AND SECOND ORDER DIFFUSIVE LOAD BALANCING, R. Diekmann, University of Paderborn, Paderborn, Germany.....	119
4.5 OPTIMIZATION METHODS FOR DYNAMIC LOAD BALANCING, P.J. McWilliams and B.H.V. Topping, Department of Mechanical and Chemical Engineering, Heriot-Watt University, Edinburgh, United Kingdom .....	129
<b>5. SOLUTION OF LARGE SYSTEMS</b>	
5.1 LARGE SCALE LINEAR ANALYSIS USING DISTRIBUTED COMPUTING, Y. Escaig, INSA de Rouen, St.Etienne du Rouvray, France.....	137
5.2 DOMAIN DECOMPOSITION SOLUTION TECHNIQUES ON WORKSTATION CLUSTERS, M. Papadrakakis and D.C. Harbis, Department of Civil Engineering, National Technical University of Athens, Athens, Greece .....	143
5.3 PARALLEL MULTILEVEL PRECONDITIONERS FOR THIN SHELL PROBLEMS, M.Theß, Faculty of Mathematics, Technical University of Chemnitz-Zwickau, Chemnitz, Germany .....	155
5.4 PARALLEL MULTIPLICATIVE AND ADDITIVE MULTILEVEL METHODS FOR ELLIPTIC PROBLEMS IN THREE-DIMENSIONAL DOMAINS, M. Jung, Faculty of Mathematics, Technical University of Chemnitz-Zwickau, Chemnitz, Germany.....	171
5.5 A COMPARISON OF PARALLEL ALGORITHMS FOR THE NUMERICAL SIMULATION OF MULTIPHASE FLOWS, E. Wassen, Th. Frank and Q. Yu, Faculty of Mechanical Engineering, Technical University of Chemnitz-Zwickau, Chemnitz, Germany.....	179
<b>6. PARALLEL AND DISTRIBUTED OPTIMIZATION AND DESIGN</b>	
6.1 THE USE OF DISTRIBUTED COMPUTING IN STRUCTURAL DESIGN OPTIMIZATION SYSTEMS, E. Lund, Institute of Mechanical Engineering, Aalborg University, Aalborg, Denmark .....	187
6.2 OPTIMUM COST DESIGN OF REINFORCED CONCRETE STRUCTURES USING PARALLEL COMPUTING, C. Butenweg and G. Thierauf, Department of Civil Engineering, University of Essen, Essen, Germany .....	197
6.3 PARALLEL EVOLUTION STRATEGIES IN OPTIMAL DESIGN OF LAMINATED BEAMS, R. Spallino*, J. Cai# and G. Thierauf#, *Department of Structural Engineering and Geotechnics, University of Palermo, Palermo, Italy, #Department of Civil Engineering, University of Essen, Essen, Germany .....	203
6.4 A DISTRIBUTED IMPLEMENTATION OF GENETIC ALGORITHM FOR CAM SHAPE OPTIMIZATION, J.T. Alander and J. Lampinen, Department of Information Technology, University of Vaasa, Vaasa, Finland.....	209
<b>7. MESSAGE PASSING SYSTEMS</b>	
7.1 MPI FOR THE TRANSTECH PARASTATION, L. Laemmer*, J. Sziveri# and B.H.V. Topping, *Institute for Numerical Methods and Informatics in Civil Engineering, University of Technology Darmstadt, Darmstadt, Germany, #Department of Mechanical and Chemical Engineering, Heriot-Watt University, Edinburgh, United Kingdom.....	219
7.2 FROM A "BEAST" TO A BUTTERFLY: EVOLUTION OF A COMMUNICATION SCHEME, P. Ivanyi and B.H.V. Topping, Department of Mechanical and Chemical Engineering, Heriot-Watt University, Edinburgh, United Kingdom.....	233

## ❖PREFACE❖

This volume contains the research papers presented at *The First Euro-Conference on Parallel and Distributed Computing for Computational Mechanics*, held at Lochinver, Scotland between 26 April and 1 May 1997. This Euro-Conference was supported by the European Commission Training and Mobility of Researchers Programme under contract no: ERBMMACT960072 with Civil-Comp Limited. We are grateful for the assistance of Marc De Cock of the European Commission's TMR programme for his kind advice and assistance with this series of Euro-Conferences. The second in this series will be held in Portugal during May 1998.

The research papers in this volume include the following topics:

- Integrated Modelling and Parallel Processing
- Parallel Mesh and Subdomain Generation
- Static Partitioning
- Dynamic Load Balancing
- Solution of Large Systems
- Parallel and Distributed Optimization and Design
- Message Passing Systems

As well as the presentation of these research papers, a number of lectures were presented at the First Euro-Conference. The text of these lectures are published in "Parallel and Distributed Processing for Computational Mechanics", Edited by B.H.V. Topping, Saxe-Coburg Publications, Edinburgh, ISBN 1-874672-03-2, 1997.

I am grateful for the valued help of many people in the organisation of the First Euro-Conference. In particular, I should like to thank Dr P. Jimack and Dr L. Laemmer for their advice. My thanks are also due to all at Civil-Comp Limited for their help and perseverance in the realisation of this conference, particularly Dr Martin Sales and Szandra Koves. The assistance of members of the Structural Engineering Computational Technology Research Group at Heriot-Watt University, Edinburgh is gratefully acknowledged, particularly from János Sziveri, Colin Seale, Péter Iványi and Biao Cheng.

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