

CMS'05 Special Session on

## Mesh Generation and Adaptation

organized by

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- *Piotr Breitkopf, Alain Rassineux, Pierre Villon, Université de Technologie de Compiègne, France*  
**3D Finite Element Mesh Adaptation by Diffuse Approximation**
- *Michał Wichulski, Jakub Fila, Jacek Rokicki, Warsaw University of Technology, Poland*  
**Fast point location algorithms on triangular and tetrahedral meshes**
- *Tomasz Jurczyk, Barbara Glut, AGH University of Science and Technology, Cracow, Poland*  
**Metric 3D Surface Mesh Generation Using Coordinate Transformation Method**
- *Andrzej Adamek, Jacek Kitowski, AGH University of Science and Technology, Cracow, Poland*  
**Vertex location for symbolic block decomposition method of linear polyhedron**
- *Jerzy Majewski, Warsaw University of Technology, Poland*  
**Anisotropic Adaptation Applied to Euler and Ideal MHD Flows**
- *Joanna Pelech - Pieszczyńska, Andrzej Karafiat, Cracow University of Technology, Poland*  
**Mesh generation method for complex surfaces**
- *Jan Kucwaj, Cracow University of Technology, Poland*  
**The efficiency of the heap lists data structures application to grid**
- *Barbara Glut, Tomasz Jurczyk, AGH University of Science and Technology, Cracow, Poland*  
*Piotr Breitkopf, Alain Rassineux, Pierre Villon, Université de Technologie de Compiègne, France,*  
**Geometry Decomposition Strategies for Parallel 3D Mesh Generation**
- *Barbara Glut, Tomasz Jurczyk, AGH University of Science and Technology, Cracow, Poland*  
**Adaptive Parametric Surface Meshing**