15.20  A CBS framework for shallow water problems
       M. Morandi Cecchi, M. Venturin

15.40  Numerical study of an evolutive model for
       magnetostrictive materials
       F. Pistella, M.M. Cerimele, V. Valente

16.00  Patient-specific simulation studies of the
       coronary hemodynamics in a GRID environment: methods, imaging and mesh
       generation issues
       B. Quatember, M. Mayr, H. Muehlthaler

16.20  Coffee Break

Session III  Chairperson: B. Quatember

17.00  Integral operators based on refinable
       B-bases
       E. Santi, L. Gori, E. Pellegrino

17.20  Visualization of Cartesian grid simulation
       results on CAD models
       R. Schneider

17.40  Surface and grid generation methods
       Y. Shevelev

18.00  A numerical method for the
       reconstruction of acoustic fields around
       an obstacle in presence of moving sources
       R.M. Spitaleri, M.M. Cerimele, F. Pistella

18.20  Validation and verification of Courant
       number insensitive CE/SE method for
       transient viscous flow simulations

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Marie Curie Conferences and Training Courses

EUA4X
European Atelier for Engineering and
Computational Sciences

CNR-IAC
EUA4X#8-Training Course

Scientific Committee:

M.M. Cerimele, IAC-CNR, Italy
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webpages:
http://www.iac.rm.cnr.it/workshops
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Curie Conferences and Training Courses
Contract number MSCF-CT-2004-01333
EUA4X #8
Università di Lecce
Monday 3 8.45-18.00

8.45 Opening
ISGG Executive Committee: B.K. Soni
EUA4X#8 Coordinator: R.M. Spitaleri
Lecturer: B.K. Soni

9.00 High Fidelity Simulations & Enabling Technology Overview & Background

10.30 Coffee Break

11.00 Computer Aided Geometry Design & GGTK
12.30 Discussions &Q &As
13.00 Lunch

14.30 Grid Generation & Grid Quality - Fundamentals

16.00 Coffee Break
16.30 Structured Grid Generation I
17.30 Discussions &Q &As

Tuesday 4 9.00-18.00
Lecturer: B.K. Soni

9.00 Structured Grid Generation II
10.30 Coffee Break
11.00 Unstructured, Hybrid and Generalized Meshing
12.30 Discussions &Q &As
13.00 Lunch
14.30 Mesh adaptation
16.00 Coffee Break
16.30 Meshing Tools
17.30 Discussions &Q &As

Wednesday 5 9.00-13.00
Lecturer: B.K. Soni

9.00 Overset Tools & Technology
10.30 Coffee Break
11.00 Parallel Meshing & Applications
12.30 Discussions &Q &As
13.00 Lunch

Convento di San Domenico

Wednesday 5 15.00-19.00

15.00 TCNCAE Conference Opening
15.15 Opening Plenary Sessions
16.45 Coffee Break
17.15 Opening Plenary Sessions
19.00 End of the Conference Opening

Thursday 6 9.00-19.00

9.00 TCNCAE Plenary Session
9.45 Coffee Break
10.00 Grid Based Mesh Generation in the Industry: Trimmed and Polyhedral Meshe
Lecturer S. Paoletti
11.10 Unstructured Quadrilateral Mesh Generation
Lecturer R. Schneider
12.00 Discussions &Q &As
12.30 Lunch
14.00 TCNCAE Plenary Session
15.00 EUA4X Annual Conference
16.30 Coffee Break
17.00 EUA4X8 Poster Session
Gala dinner

EUA4X#8 & MASCOT05
Friday 7 9.00-18.40

9.00 TCNCAE Plenary Session
9.45 Coffee Break
10.20 Opening
IMACS President: R. Beauwens
ISGG Secretary and Treasurer: B.K. Soni

Session I Chairperson: Y. Shevelev
10.25 Mixed hybrid methods for neutron transport
R. Beauwens, S. Van Criekingen, E. Lewis

11.00 Numerical simulation of Europa’s crust thermomechanics via a liquid/solid phase transition model with convection
M.M. Cerimele, D. Mansutti, F. Pistella

11.20 The DSC approach to computational fluid dynamics
S.Hen

11.40 Adaptive unstructured grid generation for engineering computation of aerodynamic flows
A. Jahangirian, Y. Shoraka

12.00 Moving body simulation using overset framework with rigid body dynamics
R. Koomullil, R. Noack, G. Cheng, N. Prewitt, B.K. Soni
12.30 lunch

14.00 TCNCAE Plenary Session

Session II Chairperson: R. Beauwens
15.00 Segmentation of the coronary artery in biplane angiograms
M. Mayr, B. Quatember