

**Agenda of AEROCHINA China-Europe Open Seminar (October 16-17,2006) and M12 review meeting (October 18, 2006)**

- Place: Crystal Island Hotel, Xi'an, China
- Seminar format: Chinese invited and industrial lectures (30 min plenary session) and (20 min concurrent session) AEROCHINA partners lectures

=====

**Open Seminar**

*Monday October 16, 2006*

8:30-9:30 Seminar Opening Ceremony

- Welcome by Dr. NIU Wensheng, Chief Engineer of ACTRI, the Deputy-Coord. and the Local Host
- Key Note Address by Mr. XING Jijun of MOST
- Key Note address by Dr.D. Knoerzer, European Commission, DG Research – Aeronautics
- Key Note Address by Mr. ZHOU Jun, AVIC1
- Introduction into the Open Seminar by Dr. J. Periaux, CIMNE, Co-ord. Aerochina

9:30-10:30 Plenary session: Invited speakers (2 lectures)

10:30-10:50 *Coffee break*

10:50-12:20 Two concurrent sessions: Aerochina partners (S1, S2)

**Session S1**

- *Collaborative Working Environments for Multiphysics Applications.* Toàn NGUYEN, INRIA
- *Flow Control of 2D Cavity.* LI Jun. SARI
- *Developments on CFD and Optimum Design at CIMNE.* Gabriel Bugada. CIMNE
- *The Divergence Dynamic Pressure of the Joined Wing.* Zheng Cheng xing. CADI

**Session S2**

- *The Research of Bump Inlet Design.* Yang Ying Kai. CADI
- *Adaptive Vibroacoustics for Noise Reduction & Flow-Control Based Adaptive Airbags for Emergency Landing.* Jan Holnicki. IFTR
- *Multidisciplines Research Activities and Results in CARIA such as ice accretion, PIV and dynamic test.* CHEN Bao. CARIA.
- *Research Activities of Flow Control in NUAU.* Ming XIAO. NUAU.

12:20-14:00 *Lunch and rest*

14:00-15:00 Plenary session: Invited speakers (2 lectures)

15:00-15:20 *Coffee break*

16:50-17:50 Plenary session: Industrial speakers (2 lectures)

- *The CFD project DESIDER*, Werner Haase, EADS.M
- *The HISAC project*, Jean-Claude Courty, Dassault Aviation

15:20-16:50 Two concurrent sessions: Aerochina partners (S3, S4)

### **Session S3**

- *Different Techniques for Aerodynamic Shape Optimization of Civil Transport Aircraft.* Niko Schade. DLR
- *Numerical results of Mesh-free methods and optimum shape design for possible applications.* Hongquan Chen, Tang Zhili and Jacques Periaux. NUAA.
- To be defined
- To be defined

### **Session S4**

- *Recent Efforts for Credible CFD Simulations in China.* Wen Bai. ACTRI/AVIC1
- *Challenges in aero-acoustic simulations.* Jacques Périaux on behalf of Charles Hirsch. ERCOFTAC.
- *Enabling Environments and Combustion Simulations.* Yao Zheng. ZHEJIANG UNIV.
- *A new approach to numerical modelling of turbulence: The FIC method.* Aleix Valls. INGENIA.

17:00 Day 1 of the seminar adjourned

Tuesday October 17, 2006

8:30- 10:00 Two concurrent sessions: Aerochina partners (S5, S6)

**Session S5**

- *Cell Sparse Solver in FEM analysis & High Performance and Fast Mesh Generation.* Mingwu Yuan and Jianfei Liu. PEKING UNIV.
- *Identification of future joint activities.* David Zeitoun, IUSTI Univ. Prov.
- To be defined
- To be defined

**Session S6**

- To be defined
- To be defined
- To be defined
- To be defined

10:00-10:30 *Coffee Break*

10:30-11:30 Plenary session: Invited speakers (2 reports)

11:30-12:30 Plenary session: Industrial speakers (2 reports)

- *Integrated Numerical Simulation and Wind Tunnel Testing Investigation for Multidisciplinary Empennage Design,* Adel Abbas, Airbus
- *The Application of CFD at FAI,* Chen Yingchun, FAI

12:30-14:00 *Lunch and rest*

14:00-15:30 Concurrent open discussion of WGs

- WG1 on *Aero-elasticity* (co-chairman: AIRBUS, NPU)
- WG2 on *Aero-acoustics* (co-chairman: ERCOFTAC, NUAA)
- WG3 on *Aero-combustion* (co-chairman: IUSTI UNIV. PROV., ZHEJIANG UNIV.)
- WG4 on *Aero-thermics* (co-chairman: EADS-CRC, CAAA)
- WG5 on *Flow Control* (co-chairman: Dassault Aviation, NUAA)
- WG6 on *Flight Mechanics Coupling* (co-chairman: DLR, EADS-M, FAI)

15:30-16:00 *Coffee break*

16:00-17:15 Plenary session:

- Reporting of WGs chairmen,
- Preliminary identification of topics and partnerships for FP7
- Concluding remarks (open)

17:15: Open Seminar adjourned

17:15-18:30 Steering Committee meeting (close)

=====

*Wednesday October 18, 2006*

M12 Meeting (close)

*Coffee and tea available during the meeting*

- 8:00-8:20 Welcome address (ACTRI, EC and CIMNE)  
and introduction of M12 review meeting (J. Periaux and G. Bugada, CIMNE)
- 8:20-8:40 Introductory statement Scientific Officer, (D. Knoerzer, EC)
- 8:40-9:00 Overview of the AEROCHINA project, G. Bugada (CIMNE), and BAI Wen (ACTRI)
- 9:00-10:15 Activity Reports of the Workpackages:
- Specification of prospective strategy and work plans (CIMNE, ACTRI)
  - Web based AEROCHINA Communication System (CIMNE, ACTRI)
  - State of the art review and collection of data (DLR, BUAA)
  - Identification of future joint multidisciplinary RTD (IUSTI, NUAA)
  - Dissemination activities (CIMNE, ACTRI)
  - Project Management (CIMNE, ACTRI)
- 10:15-10:45 Reporting of Working Groups (WG chairmen)
- 10:45-11:00 Administrative and financial aspects (cost statements) (CIMNE)
- 11:00-11:30 Final Workshop preparation (CIMNE, ACTRI, INRIA)
- 11:30-12:00 Planning and actions for the second year (CIMNE, ACTRI)
- Possible actions for the first FP7 call
  - Setting up the M24 meeting in Europe
- 12:00-12:30 Summary Statement and EC remarks
- 12:30-12:40 Action item list
- 12:40-12:50 Any other business
- 12:50- Meeting adjourned
- 13:00-14:15 *Lunch*
- 14:30-17:00 Visit of FAI in Xi'an

=====