

## MEETING NOTES

### DETC AEROSPACE ARCHITECTURE SUBCOMMITTEE MEETING

January 12, 2005, The Penthouse Suite, Hilton Hotel, Reno, Nevada

Attendees: David Nixon (notes)  
Marc Cohen  
Silvano Columbano  
Alice Eichold  
Serkan Anilir

#### 1.0 GENERAL BUSINESS

##### 1.1 ASASC Charter Rewording

1.1.1 Due to low attendance by ASASC members at the Reno meeting, this item is deferred until the next ASASC meeting at ICES-2005 in Rome in July, at which time the wording issue needs to be resolved.

##### 1.2 Fundraising Issues

1.2.1 ASASC request for DETC financial assistance to cover the cost of printing and postage of posters announcing the ICES-2005 aerospace architecture sessions was discussed at the DETC meeting and is covered in those meeting notes. ASASC need for financial assistance to support the 2<sup>nd</sup> SAS is covered in item 2.2 below.

#### 2.0 ACTIVITIES

##### 2.1 ICES-2005 in Rome

2.1.1 ASASC has 3 paper sessions at ICES-2005 in Rome with a total of 27 abstracts approved, resulting in 9 potential papers in each session. Additionally, one panel and one workshop session are planned. Andreas Vogler and Annalisa Dominoni are the Organizers. ASASC will prepare A3-sized posters for advance mailing to architectural schools, the architectural press and others. DETC has agreed to provide support for postage and printing, subject to estimates provided in advance. David Nixon to make revisions to poster graphics and forward to Marc Cohen as an A4 PDF reduced size file for inclusion with the e-mail circular. David Nixon to provide DETC with poster printing and postage estimates.

*Action: David Nixon*

2.1.2 Hotel accommodation in Rome needs to be pinpointed well in advance to obtain favorable rates. SAE has not yet published information on Rome hotels and rates on its conference website. ASASC to take the initiative to arrange accommodation for its members and presenters. ASASC Italian members are requested to follow up this item.

*Action: Paola Favata and Annalisa Dominoni*

- 2.1.3 Information on transportation between the conference hotel, airports, stations and city center in Rome also should be provided by the SAE on its website well in advance. ASASC will bring this item, together with the need for hotel information, to SAE's attention.

*Action: David Nixon*

- 2.1.4 ASASC needs to identify a location for its workshop in Rome and to suggest suitable walking tours for its paper and panel participants on non-aerospace architecture session days.

*Action: TBD*

## 2.2 2<sup>nd</sup> Aerospace Architecture Symposium

- 2.2.1 Options for the location for the 2<sup>nd</sup> SAS include:

- (i) Attachment to the Habitation conference in Orlando in January 2006 by agreement with conference organizers;
- (ii) Highlighting as a separate symposium at ICES-2006 by agreement with SAE;
- (iii) Independent symposium at NASA-Ames Research Center in approx. February 2006 by agreement with NASA;
- (iv) Independent symposium at European location, such as an architectural school.

- 2.2.2 After discussion, ASASC attendees agreed in principle that (iii) above may offer the best solution. In (i), no response has been received from the organizers (who have a reputation for unreliability) to an ASASC expression of interest. In (ii), a successful outcome would need a period of negotiation first with the SAE with no certainty of the outcome. In (iv), the present dollar/euro exchange rate is highly unfavorable to US residents and would be an attendance disincentive. In (iii), availability of NASA conference facilities at Ames Research Center accessible to non-US citizens is assured and local affordable hotel accommodation (on or off the site) is available. The proximity of San Francisco will be an added attraction. With NASA's involvement and endorsement, corporate sponsorship from the aerospace industry may be forthcoming. This is necessary to cover expenses such as setting up, removing, cleaning, catering, advance publicity, printing, postage, duplicating, etc. NASA will require a list of participants approx. 2 months in advance, though no security checks will be required for access to the conference facilities. One large room and one small room are available. The first week in February, 2006 is suggested for the 2<sup>nd</sup> SAS as international airfares are cheapest at that time. Holding the conference at a NASA facility will help to boost the ASASC's credibility and image as it plans to become a full AIAA Technical Committee in approx. 2007.

- 2.2.3 ASASC members are asked to respond with comments to this proposal to hold the 2<sup>nd</sup> SAS at NASA-Ames Research Center. Members should respond to Scott Howe, Chair, by the end of January 2005 as it is necessary to reach a decision on this item soon.

*Action: All ASASC members*

## 3.0 EDUCATION

- 3.1 NASA Contractor Report on a Curriculum for Aerospace Architecture
  - 3.1.1 Donna Duerk's NASA report (NASA/CR-2004-212820) entitled 'Curriculum for Aerospace Architecture' has been published and Marc Cohen handed out copies to all TC members. This report will be added to the ASASC website publications page in due course. Additional copies are available from Marc Cohen at NASA-Ames Research Center.
  - 3.1.2 Discussion and further work on the education matrix is deferred to ICES-2005 or 2<sup>nd</sup> SAS in 2006.
- 4.0 RESEARCH AND DESIGN
  - 4.1 Volumetric Diagrams for the DETC Design Guide
    - 4.1.1 Changes and additions to the next edition of the Design Guide will include, for the first time, a section contributed by the ASASC on habitability volumetric analysis. Scott Howe has offered to prepare vector files for publication purposes of work already done on this by Paola Favata and Marc Cohen. No deadlines for this are given by the the Design Guide Subcommittee yet.  
*Action: Scott Howe*
- 5.0 PUBLIC RELATIONS
  - 5.1 ASASC Website
    - 5.1.1 Kathleen Atkins, an AIAA TAC representative, attended the DETC meeting at which the ASASC website was discussed. This has been hosted and organized by Ted Hall and Scott Howe in Hong Kong since its introduction and the ASASC needs to find another hosting mechanism that does not involve further costs. The AIAA is prepared to host the ASASC's website. The ASASC is recommended to contact the AIAA webmaster, via Emily Springer, to move forward with this.  
*Action: Ted Hall and Scott Howe*
    - 5.1.2 A project gallery is being prepared for the website, as described by David Nixon at ICES-2004 in Colorado Springs. All ASASC members were encouraged to provide high quality illustrations and short descriptions of projects included on the website. So far, no further contributions have been forthcoming. ASASC members are reminded that the website has received about 8,000 hits and that the gallery will provide members with a free 'shop window' for their work.  
*Action: All ASASC members*
- 6.0 PUBLICATIONS
  - 6.1 Current Status of 'Progress in Astronautics' Book
    - 6.1.1 (Notes from subsequent meeting with Rodger Williams, AIAA publications development office). The next step in producing the 'Progress in Astronautics' book of 1<sup>st</sup> SAS papers is for the AIAA publications department to sign a contract with the volume editor (TBD). All authors are now asked if they wish to make any final changes to their papers before publication goes ahead. Following volume

editor appointment and paper review, all authors will be advised of format, spelling, punctuation and illustration changes to ensure papers conform to publication standards. The addition of a Preface and Foreword is suggested. Deadline for finalized manuscripts (subject to editor appointment and review) is April/May 2005 to enable the book to be published by the time of 2<sup>nd</sup> SAS in early 2006.

*Action: Rodger Williams, Marc Cohen and Scott Howe*

## 7.0 MEMBERSHIP

### 7.1 Current Status

7.1.1 ASASC has 27 current members, including international and associate members, and 2 new members being processed.

### 7.2 US ASASC Member Attendance

7.2.1 Concern among ASASC attendees was expressed at the low attendance of US-based ASASC members at Reno this year. Members are advised that regular and stable attendance at ASASC meetings (2 per year for US members, 1 per year for international members) is essential in the run-up to full Technical Committee status as evidence of good attendance will be required during the TC formation and review process in 2007. All members are advised that it is essential that they make every effort to attend ASASC meetings, as required, during 2005 and 2006, to achieve this. US members who did not attend Reno must make every effort to attend a DETC meeting at another AIAA conference in 2005 in order to meet this objective.

*Action: all US-based ASASC members*

## 8.0 FUTURE ASASC ROLE IN RUN-UP TO FULL TC APPLICATION

### 8.1 Proposed Changes to ASASC Organization and Executive Titles

8.1.1 This item is discussed in the full Technical Committee minutes. (To summarize, it has been proposed by Kent Longenecker that when he hands over his post as DETC Chair to Marc Cohen in August 2005, the structure of the DETC and its subcommittees changes to one Chair for the full TC, and two Vice-Chairs – a Vice-Chair for Architecture and a Vice-Chair for Engineering. The Vice-Chair for Architecture will automatically become Chair of the Aerospace Architecture TC when it forms in 2007, while the Vice-Chair for Engineering takes over as Chair for the DETC, in the normal manner. The Aerospace Architecture Subcommittee and other DETC Subcommittees will be dissolved in their present form. This item will be the subject of further discussion).