American Institute of Aeronautics and Astronautics
Space Architecture Technical Committee
Meeting Minutes
2013/03/22 22:00 UTC
Teleconference

Reported by Ted Hall, 2013/06/22

1.   Roll Call

Ted Hall (SATC Chair) called the meeting to order at 22:05 UTC and took the roll call.

Total members: 35
Participating members: 8

The SATC roster appears below. Membership categories are: Associate (A), Regular (R), International (I). Members participating in this telecon are indicated by ✓ .

✓	Payam Bahrami (I)	Barbara Imhof (I)
✓	Olga Bannova (R)	Päivi Jukola (I)
	Donald Barker (R)	Mark Kerr (R)
	Annette Barnes (R)	Shahzad Khaligh (R), Treasurer
	Lynn Baroff (R)	François Lévy (R), Secretary
	Torben Berns (I)	Renée Matossian (R)
	Maijinn Chen (R)	Susmita Mohanty (I)
	Marc Cohen (R)	✓ David Nixon (I)
	Silvano Colombano (R)	Regina Peldszus (I)
✓	Ondřej Doule (I)	Georgi Petrov (R)
	Donna Duerk (R)	Martina Pinni (I)
	Maria João Durão (I)	Raúl Pólit Casillas (I)
	Michael Fox (R)	✓ Tomas Rousek (I)
	John Gulliford (R)	Brent Sherwood (R)
✓	Ted Hall (R), Chair	Jacky Silva (R)
	Patrick Harkness (I)	✓ Frederick Slane (R)
	Sandra Häuplik-Meusburger (I)	✓ David Wong (I)
	Scott Howe (R)	

Guests: 0

We used the AIAA ReadyTalk conference account, provided to us through our parent Space and Missiles Group (SMG) within the AIAA.

"Committees are permitted to use their group telecom number up to 4 hours each month … Subcommittees fall under their TC or PC. For example, if a TC or PC has 4 subcommittees that want to use the number for one hour each during the month, that will be the committee's 4 hour usage for the month."

If an SATC subcommittee would like to use this account for their telecon, contact the Chair (Ted Hall) for instructions and help in scheduling it.

2. Subcommittee and Officer Reports

Construction:
    Chair: Raúl Pólit Casillas
    No report.

Education:
    Chair: Olga Bannova
    Reporting: Olga Bannova

• *FAQ Brochure:*

The brochure text is nearly finished. Information subject to frequent change will be included by reference to web pages. The text will be sent "next week" [03/24-30] to Ondřej Doule and Tomas Rousek (Media Subcommittee). Tomas will handle the formatting.

Human Factors & Design:
    Chair: Päivi Jukola
    Reporting: Päivi Jukola

• *Competition:*

The Union Internationale des Architectes (UIA) congress will meet in Durban, South Africa, 2014 August 2-7. The UIA hosts competitions and gives awards. It has in the past hosted a competition focused on extreme environments. If we want to do anything with the UIA in 2014 then we need to start now. The UIA is a "tricky partner." Päivi is pursuing it. It could be negative publicity for us if our competition does not contribute to architecture.

David Nixon reiterated that if we do a competition at all it should be under the aegis of a reputable architectural organization such as the UIA.

Media:
Chair: Tomas Rousek
Reporting: Tomas Rousek, David Wong, Ondřej Doule

- *SpaceArchitect.org website:*

  Tomas is developing the new SpaceArchitect.org website from a WordPress template that he purchased for $40 USD out-of-pocket last December. He has posted previews of the new site design for members' review and comment.

  David Nixon asked about getting the Publications carried over from the current site, and also advised to beware of copyrights.

  Ondřej Doule suggested the Creative Commons as an image source.

  David Wong suggested that the publications page should have a better system for categorizing the entries.

  Ted Hall noted the "filter" at the top of the publications page that attempts to address that. He wrote a pattern matcher in JavaScript that hides entries that don't match the filter pattern. It's not a full-fledged bibliographic database. A real database would be preferable, if somebody wants to tackle that.

  Tomas can create editor accounts for people. It would be nice if each member could edit his or her own publications and member profile.

  David Wong will work with Tomas Rousek to integrate the *Orbit* newsletter into the new website.

- *AIAA.org SATC website:*

  Ondřej Doule has volunteered to maintain the SATC's website in the AIAA.org domain: https://info.aiaa.org/tac/SMG/SATC/. AIAA has set up all of the committee web pages with Microsoft SharePoint, with ActiveX editing controls that require an MS Windows client system for full functionality.

Professional & Liaison:
Chair: Renée Matossian
Reporting: Renée Matossian (via e-mail), David Nixon

- *Subcommittee status:*

  Renée reports that this subcommittee is "defunct." "However, we would like to congratulate Hugh [Broughton] and team on *AIA Architect* magazine coverage of their recently-completed Antarctic Base project!"

  David Nixon moved to disband this Subcommittee and reassign its members to other Subcommittees.

Ted Hall points out that we're due for elections again this Fall, for a new SATC Vice Chair as well as for Subcommittee Chairs. That would be a natural time to re-form the subcommittees themselves.

- *American Institute of Architects liaison:*

  David Nixon has initiated a Space Architecture Technical Committee blog in the American Institute of Architects KnowledgeNet web space:

  http://network.aia.org/AIA/Go.aspx?c=BlogViewer&BlogKey=12525ad0-b1bc-4aa2-b9a5-d8cb695b09eb

  All space architects are encouraged to contribute posts on a regular basis to keep the blog active.

- *Aerospace America Year-in-Review article:*

  David Nixon will continue to organize the SATC's Year-in-Review article for *Aerospace America*.

- *Website Gallery:*

  Renée Matossian sent ZIP archives of gallery images to Ted Hall, who forwarded them to Tomas Rousek for the new SpaceArchitect.org website.

Public Policy:
Chair: Brent Sherwood
No report

Standards:
Chair: Fred Slane
Reporting: Fred Slane

In accordance with AIAA procedures, Fred has filled out a draft form to create a Space Architecture Committee on Standards (CoS).

[Note: This CoS is now officially established. It was announced in the AIAA *Momentum* e-Newsletter, June 2013.]

The subject of the effort is a Volume Standard for Space Architecture. It needs information on facilities and best practices that are not yet documented. The time is ripe as commercial entities are entering the field.

Päivi Jukola asked whether non-AIAA-members are allowed to participate.

Fred explained that a CoS must include representatives of all stakeholders in the issues addressed by the proposed standard, i.e., not only our little circle of "space architects." The rules for membership in a CoS are different than the rules for

membership in a TC. AIAA encourages CoS membership from all interested parties – including from outside of the AIAA membership.

Päivi asked if there was funding to support committee work.

Fred replied that funding is problematic: funders sometimes expect undue influence.

Päivi suggested that the Human Factors & Design Subcommittee might serve as the SATC's contingent in the Space Architecture CoS.

Fred estimates that it will take a couple of years to produce a document, with personal commitments of about 2 hours per month per CoS member. It's important to have members who actively contribute.

Treasurer: Shahzad Khaligh

No report.

Secretary: François Lévy (via e-mail)

François is stepping down as Secretary, due to other commitments. This position is open and needs to be filled.

3.   New Initiatives (Proposed Subcommittees or Working Groups)

Drawing:
Proposer: Maria João Durão (via e-mail)
No report.

Terrestrial Applications:
Proposer: Shai Gerner (via e-mail)
No report.

4.   Best Paper Certificate of Merit

Ted Hall reminded members that the SATC has instituted an annual "Best Paper in Space Architecture" Certificate of Merit with a $100 honorarium. This is being funded with the $500 that the SATC received for being the "most improved Technical Committee in the Space and Missiles Group" in 2010. We have awarded this in 2011 and 2012. Since the SATC is doing nothing to replenish its account, under its current plan, the money will run out after 2015.

Olga Bannova suggested that we distinguish between professional and student papers.

Päivi Jukola concurred that $100 isn't much of an honorarium or incentive for professionals and suggested that we earmark the money to support students. We should always have a "best paper" even if there aren't many. Sponsorship might increase the number.

Tomas Rousek noted that we should solicit student papers on our website.

Ted Hall commented that it was important for the "best paper" to be a good paper. Of course, all accepted papers should meet some minimum standard of "good." He questioned whether a one-and-only student paper should be designated "the best." Should we set some minimum pool size to make such a designation? We often don't have any student papers, and rarely have more than one.

Päivi asked why a good student paper, of professional quality, should be tagged as "student." Does that devalue it?

Ted suggested that we might let student authors self-select whether to be considered in the "student" category. Or, distinguish between Ph.D. versus undergraduate students. Ph.D. students need to meet or exceed a professional standard of scholarship.

5. Conference Planning, 2013

International Conference on Environmental Systems (ICES)
  2013/07/14-18
  Vail, Colorado, USA
  Chair: Päivi Jukola

  Päivi reported that 11 abstracts had been received. Full manuscripts were due on March 4, but many are late.

  [Note: Ultimately, 3 abstracts were withdrawn by their authors, and another 3 simply never submitted full papers. Only 5 papers were submitted.]

AIAA Space Conference & Exhibition
  2013/09/10-12
  San Diego, California, USA
  Chairs: Shahzad Khaligh, François Lévy

  No report.

  [Note: A report distributed by the planning committee on May 3 shows 18 "sessioned" (accepted?) abstracts in the Robotic Technologies and Space Architecture Track, which SATC co-organizes with SARTC.]

  [Note: François Lévy is stepping down as co-chair, due to other commitments.]

International Astronautical Congress (IAC)
2013/09/23-27
Beijing, China
Chairs: Olga Bannova, Barbara Imhof, Brent Sherwood, Regina Peldszus

Olga reported that there were 9 "architecture" abstracts and 9 "art" abstracts. She wished there was more Chinese participation.

David Wong is working to organize an Aliter III event in conjunction with the IAC, but he's also having trouble finding a local partner and venue.

6. Conference Planning, 2014

International Conference on Environmental Systems (ICES)
Date?
Place?

Ted Hall reported that ICES is departing from the AIAA event umbrella. We know nothing of its plans for 2014. Presumably, the date, place, and other organizational details will be announced at ICES 2013. ICES must now fend for itself in all of the roles and services formerly provided by SAE or AIAA.

AIAA Space and Astronautics Forum
2014/08/05-07
San Diego, California, USA

Considering the uncertainty surrounding ICES, and also SATC's inability to collect a significant fraction of its members at any one conference, Ted Hall suggests that we concentrate our 2014 efforts on the Space and Astronautics Forum.

International Astronautical Congress (IAC)
2014/09/29 – 10/03
Toronto, Ontario, Canada

Olga Bannova reported that there's an open call for session proposals.

Ondřej Doule asked her to send information.

7. Meeting Adjourned

The teleconference adjourned at 2013/03/22, approximately 23:50 UTC.