

AIAA Space Architecture Technical Committee on-line meeting

22 September 2023 10:00AM (CST) 5:00PM (CET)

<https://www.worldtimebuddy.com/?qm=1&lid=12,6&h=12&date=2023-2-26&sln=17-18&hf=0>

Join Zoom Meeting

<https://tuwien.zoom.us/j/66899944246>

How to connect:

Mailinglist of the SATC Committee: satc@spacearchitect.org

Mailinglist for all members to spacearchitect.org: members@spacearchitect.org (email automatically goes to SATC members, no need to send an email to both email adresse)

Chairs of this meeting

Sandra Haeuplik-Meusburger

Meeting Notes: Georgi Petrov

Participants (no particular order):

Olga Bannova

Ted Hall

Paolo Caratelli

Amit Srivastava

Marlies Arnhof

Milomir Milenkovic

Afredo Munoz

Anne-Marlene Ruede

Monika Lipinska

Mike Skeen

Mahsa Esfandabadi

Barbara Imhof

Sam Ximenes

Kyunghwan Kim

Adam Oswald

Robert Howard

Bill O'Hara

Patrick Harkness

Tara Bishard

Melodie Yashar

Jacky Silva

Vittorio Netti

Antonia Sattler

Bill Hart

Rowdha Begam

Marta Rossi

Alma Kugic

Excused:

Maria Joao Durao

David Wong

MEETING AGENDA

Opening comments (5 min)

Welcome and approving the agenda (Sandra)

Subcommittees - Reports (40 min, 5 mins each) by the chairs

- **MEMBERSHIP SC (chair: Alfredo Munoz)**

No members

- Information needed for annual report of Committee activities.
- Everyone has to list contributions to the committee and individual successes in space architecture.

- *For SATC and AIAA membership info refer to Alfredo*
- *For Spacearchitect.org dues refer to David Wong*
- *SATC application for next year is open.*

- **AWARDS SC (chair: Thomas Lagarde, Marlies Arnhof, Alma Kugic)**

No members

- Best Paper Awards: update on the review and evaluation process of current paper selection
- Gordon Woodcock Award: update
- Change of website <https://spacearchitect.org/awards/>
- Parabolic Flight Opportunity: update (Anastasia Proxima)

- *Deadline for nominations for next year's awards is 31 December 2023.*
 - > *Awards chairs to send reminders to session chairs and SATC members*
- *This year's Gordon Woodcock will be awarded to Marc Cohen at ASCEND, by Olga. Sandra will send the physical award to Olga.*
- *SATC wants to turn the Gordon Woodcock into an AIAA award. Sandra has asked for support and will ask Brand. Olga offered help filling in the application.*
- *Parabolic flight is postponed. No other updates.*
- *Best Paper Award in the professional Category*
 - *"Model and Full-Scale Testing of Outfitting Approaches for Inflatable Habitats" By David Akin, Colby Merrill, Ronak Chawla, Olivia Naylor, Elizabeth Myers and Nicolas Bolatto*
- *Best Paper Award in the student category*
 - *Towards a pattern language for complex-mode mission concept generation" by Anne-Marlene Rüede, Marc-André Chavy-Macdonald, Jean-Paul Kneib and Jeffrey Huang,*

- **EXHIBITIONS (chair: Maria Durao, Paolo Caratelli)**

Members: Antonia Sattler, Brand Griffin, Christina Ciardullo, David Wong, Marlies Arnhof, Matthew Kim Kyung, Olga Bannova, Sandra Hauplik-Meusburger, Vittorio Netti, Amit Srivastava

- Update
- Space Mission at Cité des sciences et de l'industrie. Opens 23.October.2023
- *Next sub-committee meeting scheduled for next week.*
- *Ongoing and future exhibit list for website will be developed (Paolo and Amit to lead)*
- *Sam Ximenes – mentions an on-going exhibit called Lunar Exploration Space Exhibit ad the WEX Foundation in San Antonio*

- **PODCAST SC (chair: Tara Bisharat)**

Members: Marta Rossi, Amit Srivstava, Milomir Milenkovic

Links: https://www.youtube.com/@space_architecture
<https://www.youtube.com/@fromtheoutpost>

- New episodes update:
 - *2 episodes under production for main show (Theodore Hall-Artificial Gravity + Brian Green-Space Ethics)*
 - *2 Episodes under production for Future Files (Georgi Petrov-Decalogue for Space Architecture + Monika Brandic Lipinska-Drop the Base)*
 - *Next Release of Episode is on Sunday 24.09.2023. (Future Files Edition / Georgi Petrov (SOM's Decalogue for Space Architecture)*
 - *Tara will send reminders to the group*
- Proposing idea for a recurring show to engage members, details to be discussed during the meeting.
- **SATC YouTube Channel**
 - *Curating / collecting Space Architecture Videos from latest conferences, events, and past podcasts on the website*
 - *Milomir and Amit offered to start this initiative*
 - *Logo and information updated.*
 - *Requesting Channels by members to be added to SATC channel playlist*
 - *From Ted Hall: I have a Google Drive folder with historical videos that Marc Cohen recorded from conference sessions and workshops. Some of them might want some editing before posting the raw footage on YouTube:*
https://drive.google.com/drive/folders/19hbUFhtvidzFFb6Ailf0k_zhlsRd4M_Y?usp=sharing

- **IT, WEB support, Online Content (chair: David Wong, co-chair: Vittorio Netti)**

Members: Milomir Milenkovic

- Knowledge Management
- Awards Page has been updated <http://spacearchitect.org/awards/>
- Page for 'Past Activities'
- Event Summaries (ICES, IAC and ASCEND) has been updated
- Input wanted from Members on activities
- Need more members and volunteers
 - *Vittorio and David manage IT part.*
 - *More help preparing content is NEEDED (eg. short descriptions for events and activities).*
 - *> Please contact David and Vittorio.*
 - *Milomir offered to check the website for errors (wrong links, text, irritations ..)*

- **SOCIAL MEDIA (chair: Monika Lipinska) co-chair: Alma Kugic**

- Update Instagram activities
- Update Facebook activities
- <https://www.instagram.com/spacearchitect/>
- <https://www.facebook.com/SpaceArchitect.org>
- *Monika to add permanent post for ICES 2023*
 - *Images from ICES23 by Ted are available here:*
 - <https://drive.google.com/drive/folders/1xhdmJshUYuTfnXSpN4hlwMtp5sFTjjev?usp=sharing>

- *Award sub-committee to send content for best paper awards to be included on SATC social media.*
- **OUTREACH and SPONSORSHIP** (chair: Christina Ciardullo)
Members: vacant

Description and Goals for 2024: update
 - PR activities parabolic flight campaign
 - PR activities Gordon Woodcock Award
 - *PR activities for parabolic flight campaign have been prepared*
- **EDUCATION SC** (chair: Valentina Sumini, Olga Bannova, Matt Simon) – after 6pm
Members: Troy Cole, Paolo Caratelli, Mahsa Esfand, Ariel Ekblaw, Keith Crisman, Rowdha Hanif, Marta Rossi, Alma Kugic
 - new Mentorship program of SATC (Troy)
 - Space Architecture PhD and Master programs (Mahsa and Alma)
 - *Draft list is ready.*
 - *List was sent to SATC.*
 - *Coordinate with IT sub-committee to get it up on the website.*
 - *Write a disclaimer about how to interpret the information.*
 - Courses for younger students (Valentina)
 - *Feasibility Study: Conduct a feasibility study to determine the viability and demand for an educational platform targeting younger students.*
 - Virtual Gallery for Space Architecture Projects (Valentina)
 - *Aim to have first instance to be done by SAS 2024.*
 - *Alfredo offered support with platform ideas.*
 - *Activity is carried out with the Exhibition Sub-committee*
 - Communication and Best Practices
 - *A sub-committee email (eg. educationsubcommittee.satc@spacearchitect.org) shall be prepared in coordination with David for future use on the website*
 - *A SATC-Education Whats App group has been created: <https://chat.whatsapp.com/LHXsUvMKfnC9kdjPmkrKPU> - Please contact Valentina if you would like to be a member*
 - *The EDU-committee is arranging a meeting on above activities in the near future*
- **New Workinggroup DECADAL SURVEY** (Adam Oswald)

Activities, conferences and meetings in 2023 and 2024 (15 min)

- Upcoming Vice-chair May 2024
Melodie Yashar will be the next vice-chair (from May 2024). Congratulations.
- IAC23: Baku , 2-6 October, 2023, Baku, Azerbaijan
<https://www.iac2023.org/>
Two sessions organized by SATC
 - Session E5.1 Space Architecture (Olga, Paolo Mangili)
 - Session E5.6 Space Habitats (Monika and Vittorio)

SATC members that will go there: Monika Brandic Lipinska, Layla, Vittorio

As of now, IAC is still on despite recent local violence.

Five papers in E5.1

Five papers in E5.6

Symposium A.5 Human Exploration of Solar System – 4 papers.

A number of Interactive Presentations.

- ASCEND 23 (Chairs: Melodie Yashar) 23-25 October, Las Vegas, Nevada
 - Update on preparations for 2023
 - New session

Panel Discussion: Melodie, Olga, Mahsa and Jacky.

Wednesday evening (25.Oct) 5:00pm PST SATC committee meeting.

SATC members that will go there: Jacky Silva. Robert Howard (7 papers)

- ICES 23
 - Report for ICES 2023: 16-20 July 2023, Calgary
 - Upcoming conference in 2024
 - 15 paper were presented.*
 - Well attended.*
 - 2024 is in Louisville Kentucky.*
 - Call of abstracts is out now.*
- Year-in-Review Article for Aerospace America, 2023 (Ted Hall)

It is done for December 2023 issue of Aerospace America.

Typically done in August. For the past few years it has been organized by Ted, Barbara and Maria. Volunteers welcome to help next year.

Activities, conferences and meetings, upcoming 2024

- AIAA Space Architecture Course November 2023
 - *Post on website*
- Space Architecture Gathering on 16 December 2023 *TBC*, onsite and online
 - *On-site and online, will be again in Los Angeles, this time more restricted time plan*
 - *Invite to come, please email Alma if you are interested*
- SCI-TECH Forum, 8-12 January Orlando, FL
 - *No SATC session, but some members are going.*
- SxSW 2024, in Austin
 - Proposal for a panel on space Architecture, March 8-16, 2024
 - *Acceptance to be announced later in the year.*
- Earth and Space, ASCE Aerospace April 15-18 2024 (Olga),
 - *In Miami, Florida, Space Architecture in symposium 5. ,Papers drafts due 30. Sept.*
 - *International Symposium on Off-Earth Construction: 20 Oct 2023: Adelaide*
 - *Human-Robot Teaming for Space Workshop: 18 – 19 Oct 2023: Adelaide*

- SAS06 – 2024 In Milano 18.October.2024
 - *Main space for the SAS has been reserved at Politecnico di Milano*
 - *Update on possible locations for exhibit to happen at the time of IAC and SAS in Milano*
 - *The SAS committee will coordinate with Exhibition Committee on possible SATC exhibition in Milano*
- COSPAR (Olga) - info
- INCOSE HIS 2024. (Jacky) - info

New business and ideas (10 min)

- 2025 will be the semicentennial of the 1975 NASA-Stanford Space Settlements summer study - SATC discussion? Marlies and Olga, to follow up with Ted and David for ideas – *no update*
- workgroup: Knowledge management for SATC, proposed by Marlies Arnhof, David – *no update*
- *New workinggroup / committee: Professional Certification for Space Architecture, proposed by Brand Griffin – no update*

Go around the room (10 min)

Next Meeting: DECEMBER or JANUARY 2024