

AIAA Space Architecture Technical Committee online meeting

13 May 2025 (Tuesday)

9:30 (PDT) - 12:30 (EDT) - 16:30 (UTC) - 18:30 (CET)

Join Zoom Meeting

<https://som.zoom.us/j/92660363163>

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 addresses)

Chairs of this meeting

Georgi Petrov

Melodie Yashar

Participants:

FIRST	LAST	PRESENT
Lucy	Aboonour	1
Marlies	Arnhof	1
Olga	Bannova	1
Donald	Barker	
Tara	Bisharat	1
Paolo	Caratelli	1
Christina	Ciardullo	1
Keith	Crisman	1
Bonnie	Dominguez	
Maria Joao	Durao	
Ariel	Ekblaw	
Eszter	Gulacsi	1
Sandra	Haeuplik-Meusburger	1
Theodore	Hall	1
Patrick	Harkness	
William	Hart	1
Robert	Howard	
Daniel	Inocente	
Kyunghwan	Kim	1
Thomas	Lagarde	1
Francois	Levy	
Monika	Lipinska	1
Milomir	Milenkovic	1
Mahsa	Esfandabadi	1

FIRST	LAST	PRESENT
Alfredo	Munoz	1
Vittorio	Netti	1
William	Ohara	
Adam	Oswald	1
Anastasia	Prosina	
Marta	Rossi	1
Tomas	Rousek	
Jackelynne	Silva-Martinez	
Amit	Srivastava	1
Valentina	Sumini	
Avinkrishnan	Vijayachandran	1
Jennifer	Webb	
David	Wong	
Annika	Rollock	1
Luca	Vaccio	1
Giacomo	D'Amico	1
Leonardo	Guzman	1
Jacqui	Belleau	1
Takaharu	Igarashi	1
Christine	Tiballi	1
Zorica	Ludzheva	1
Othman	Oudghiri	1
Tamalee	Basu	1

Emeritus Members Attending:

Marc Cohen, Brent Sherwood, Brand Griffin

MEETING AGENDA

NEW MEMBER INTRODUCTIONS

Annika	Rollock
Luca	Vaccio
Giacomo	D'Amico
Leonardo	Guzman
Jacqui	Belleau
Takaharu	Igarashi
Christine	Tiballi
Zorica	Ludzheva
Othman	Oudghiri
Tamalee	Basu



Subcommittees - Reports by the chairs

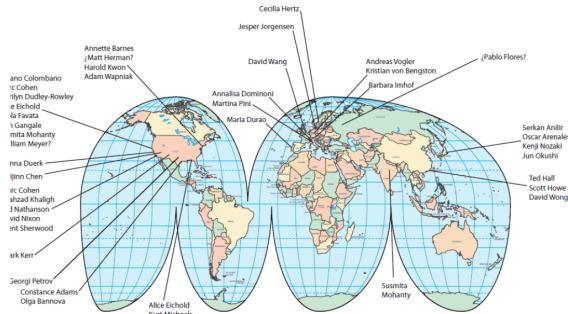
MEMBERSHIP SC (chair: Alfredo Munoz)

- Emeritus Membership

- Requirements
 - 1- At least six years of active SATC membership
AND
 - 2- Current AIAA membership
AND
 - One of the Following
 - 3- Former chairs of the SATC
 - 4- Chairs of one of the SATC-lead sessions at a major conference
 - 5- Organizers of a Space Architecture Symposium.
 - 6- At least 3 years of being sub-committee chair

- Update Member Map

- Tamalee volunteers to update the map. Outdated sample below.



DECadal SURVEY (Adam Oswald)

- Update on progress.
- Working on Generating Chapter Text
- Next milestone is AIAA Ascend (last week of July 2025); SATC Panel has been approved.
 - Coordinate with podcast team to record video for podcast around ASCEND
- Contact Adam and Georgi to get involved
 - gpetrov@gmail.com | adamoswald@gmail.com
- Tara and podcast committee to look into capturing content from AIAA ASCEND Decadal survey panel

- AWARDS SC (chair: Marlies Arnhof)

- Best Paper Award Winners
 - Best Professional Paper

Marc M. Cohen, Jonathan Metts, Donald C. Barker, Marie-Christine Desjean, and James Nabity.

ECLSS-First Space Habitat Architecture (ICES-2024-193)

53rd International Conference on Environmental Systems (ICES), Louisville, Kentucky, USA, 21-25 July 2024

<https://ttu-ir.tdl.org/bitstream/handle/2346/98883/ICES-2024-193.pdf>

- Best Student Paper

Takaharu Igarashi and Karen Marais

What Space Architects Can Learn from System Failure Cases to Make

Risk-Conscious Design Decisions (ICES-2024-196)

53rd International Conference on Environmental Systems (ICES), Louisville, Kentucky, USA, 21-25 July 2024

<https://ttu-ir.tdl.org/bitstream/handle/2346/98885/ICES-2024-196.pdf>

- Thank you to the Aurelia Institute for Sponsoring this year's Best Paper awards



- Gordon Woodcock Award winner for 2024

- **Brand Griffin**



● **EXHIBITIONS SC (chair: Maria Joao Durao, co-chair: Paolo Caratelli)**

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

- Amit coordinating possible “virtual” pavilion in July-August in Venice; as an independent event as a follow up to City X Venice. Amit to follow up about the pavilion being coordinated by University of Innsbruck.
- Exhibition SC to schedule follow up meeting to discuss what to do with IAC student posters; perhaps some go to Australia for IAC, some to Houston

● **PODCAST SC (chair: Tara Bisharat/ Milomir Milenkovic)**

Members: Marta Rossi, Amit Srivastava

Links: https://www.youtube.com/@space_architecture

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

- Vittorio to coordinate with podcast team to share media from Zero-G flight
- Still several openings available for future podcasts / interviews
- Collaboration with STEM with Mr N
 - <https://www.youtube.com/@STEMwithMrN>

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

Members: Tom Rousek

- Vittorio sent email to new members with requests to add to spacearchitect.org projects

- **SOCIAL MEDIA** (chair: Mahsa Esfandi)

Members: Tom Rousek, Esther Gulacsi, Milomir Milenkovic

Links: <https://www.instagram.com/spacearchitect/>

<https://www.facebook.com/SpaceArchitect.org>

<https://www.linkedin.com/company/102278994/>

Mahsa announced new members via Linkedin

- Please follow SATC on Linkedin!

- **EDUCATION SC (chair: Valentina Sumini, Olga Bannova)**

Members: Troy Cole, Paolo Caratelli, Mahsa Esfand, Ariel Ekblaw, Keith Crisman, Marta Rossi

- *responded to the AIAA call to review UG and G scholarships applications*
- *proposing to consider SATC-supported SA design competition for students in affiliated (?) universities*
- *Question as to whether there may be some budget for awards*

activities, conferences, and meetings in 2025

- ICES 2025 - 13-17 July - Prague

- *19 Accepted papers*

- ASCEND 2025 - 22-24 July - Las Vegas

- *Decadal survey panel - ACCEPTED*

- *Adam, Melodie, Olga, Jacqui*

- *Technical Sessions*

- *We have volunteered to chair at least three technical sessions. Organizing Committee to confirm.*

- IAC 2025 - 29 September - 03 October - Sydney

- <https://www.iac2025.org/>

- *There are three Space architecture sessions -*

- *A5.4 Deep Space Habitats and Resources - 11*
 - *E5.1 Space Architecture: Habitats, Habitability, and Bases - 11 (3 backups)*
 - *E5.6 Simulating Space Habitation: Habitats, Design and Simulation Missions - 13 (4 backups)*

- *In addition, Sandra is organizing the IAA History Symposium of Astronautics E4.*

- *The symposium has three sessions:*
 - *E4.1. Memoirs & Organisational Histories*
 - *E4.2. Organizational, Scientific and Technical Histories*
 - *E4.3. History of Australian and Asia-Pacific Contribution to Astronautics*
 - *Session E4.3. History of Australian and Asia-Pacific Contributions to Astronautics especially includes space architecture.*

- *SPACE ARCHITECTURE SYMPOSIUM - Saturday 4 October 2025*

- *Organized by Amit.*
 - *At University of New South Wales*
 - *Volunteers Needed!!!*

Aerospace America Year in Review (600 words due annually)

- Typically due in September
- Please share content, news and current events to Ted on an ongoing basis

Other Space Architecture Events

- *Greenbuild in LA:*
<https://informaconnect.com/greenbuild/>
Los Angeles, Nov. 4-7 2025
If interested, please submit a proposal.

Next Meeting: September 2025