

## 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](mailto:satc@spacearchitect.org)

Mailinglist for all members to spacearchitect.org: [members@spacearchitect.org](mailto: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

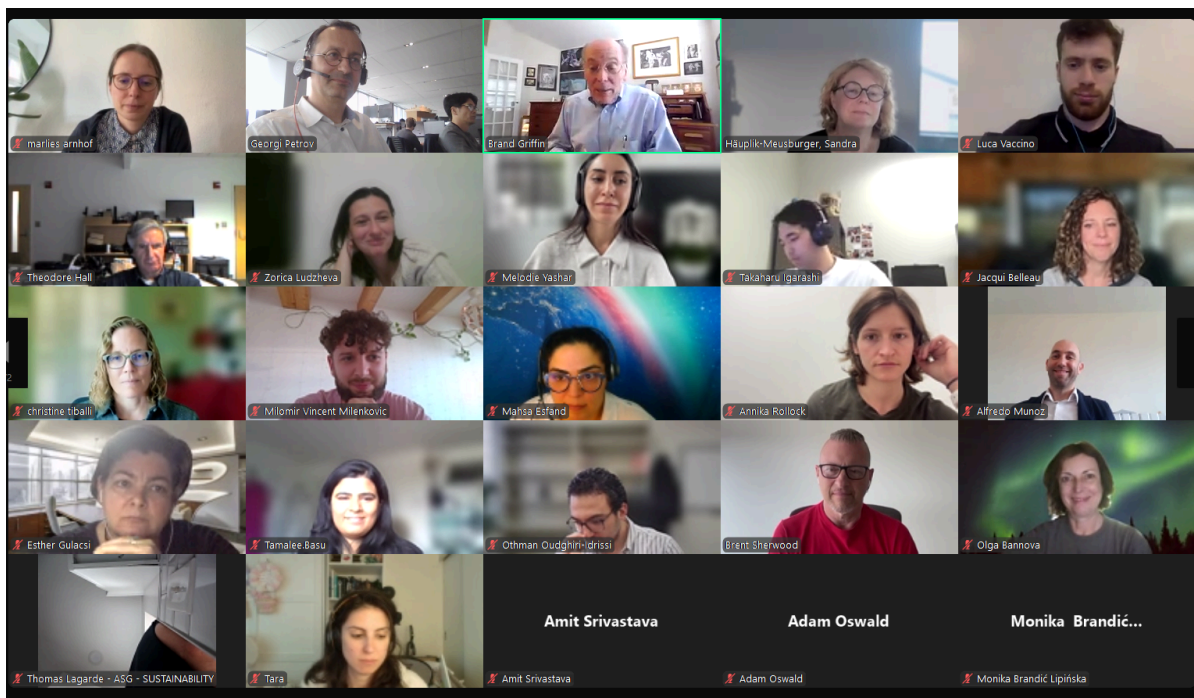
Emeritus Members Attending:

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)

#### o 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

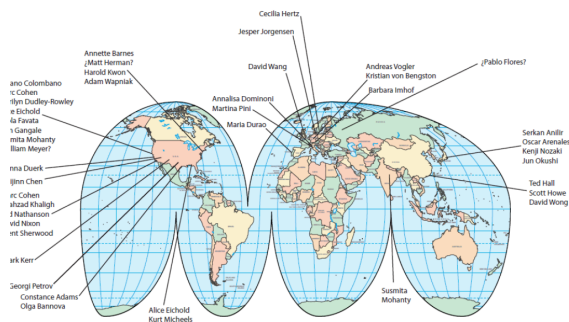
4- Chairs of one of the SATC-lead sessions at a major conference

5- Organizers of a Space Architecture Symposium.

6- At least 3 years of being sub-committee chair

#### o Update Member Map

##### ▪ Tamalee volunteers to update the map. Outdated sample below.



### DECADAL SURVEY (Adam Oswald)

#### o Update on progress.

#### o Working on Generating Chapter Text

#### o 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

#### o Contact Adam and Georgi to get involved

##### ▪ [gpetrov@gmail.com](mailto:gpetrov@gmail.com) | [adamoswald@gmail.com](mailto:adamoswald@gmail.com)

#### o Tara and podcast committee to look into capturing content from AIAA ASCEND Decadal survey panel

### • AWARDS SC (chair: Marlies Arnhof)

#### o 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

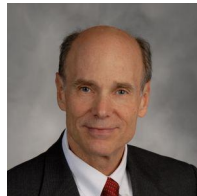
<https://ttu-ir.tdl.org/bitstream/handle/2346/98885/ICES-2024-196.pdf>

- 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/@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](https://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**