

SATC Telecon Minutes

12 April 2019, 17:00 UTC

Chair: Brent Sherwood

Vice-chair: Olga Bannova

Roll call

10 (28%) of the members attended:

SATC: 36 total members as of 11/23/18				
◊ = attending members. • = pre-coordinated absence. R = Regular Member. I = International Member.				
1.		Payam Bahrami (R)	19	François Lévy (R)
2.	◊	Olga Bannova (R)	20	◊ Sungwoo Lim (I)
3.		Donald Barker (R)	21	Elizabeth Lockard (R)
4.		Christian Carpenter (R)	22	• Renée Matossian (R)
5.	•	Christina Ciardullo (R)	23	Yash Mehta (R)
6.		Marc Cohen (R)	24	Kursad Ozdemir (I)
7.	•	Silvano Colombano (R)	25	• Georgi Petrov (R)
8.		Ondřej Doule (R)	26	• Emanuel Pimenta (R)
9.		Maria João Durão (I)	27	◊ Raúl Pólit Casillas (R)
10.		Antoine Faddoul (R)	28	Luke Roberson (R)
11.	◊	Brand Griffin (R)	29	Tomáš Rousek (I)
12.		Patrick Harkness (I)	30	◊ Kevin Scholtes
13.	•	Sandra Häuplik-Meusburger (I)	31	◊ Brent Sherwood (R)
14.		William Hart (R)	32	Jackelyne Silva-Martinez (R)
15.	◊	A. Scott Howe (R)	33	◊ Matthew Simon (R)
16.	•	B. Imhof (I)	34	Max Skuhersky (Assoc. Member)
17.		Ryan Joyce (R)	35	• Sam Wald (R)
18.		Mark Kerr (R)	36	◊ David Wong (I)

We received 11 applications for new members; all were approved and will be added to the mailing list. The 3-year terms of the new members will take effect in May.

SATC: 11 new members as of 04/12/19				
1.		Machel Alves-Lacerda (R)	7	Chandreeka Makwana (R)
2.		Daniel Anderson (R)	8	Vittorio Netti (R)
3.		Suzana Bianco (R)	9	Zeyaad Pandey (I)
4.		Keith Crisman (R)	10	◊ Anne-Marlene Rüede (R)
5.		Jon Holladay (R)	11	Pez Zarifian (R)
6.		Thomas Lagarde (R)		

Space Architecture gatherings

2019 meetings

- **49th ICES**, Boston, 7-11 July 2019.

15 paper drafts are now under review by SATC volunteers organized by the planning team.

- **AIAA Propulsion & Energy conference**, Indianapolis, 19-22 August 2019. AIAA is using this technical conference as a substitute for the Space Forum meeting, which is being renovated for rollout in 2020.

Reviewed about 10 abstracts total; all but one were accepted into two sessions (5 per session) in the morning and early afternoon of 20 August. Paper selection is under control, but neither Sam nor Matt can attend the conference to chair the sessions – Call for session chairs, potentially one of the authors can chair. Kevin Scholtes may be attending and offered to chair the sessions; Brent Sherwood is also currently planning to attend.

- **70th IAC and associated events**, Washington DC, 19-25 October 2019.

We managed to get “1.5 sessions”, enough for 18 presentations, plus Interactive Presentations (electronic posters) in the E5 IP session. We were oversubscribed even more than the conference average: 41 abstracts for what would normally have been only 12 slots. E5.1a (12 talks) will be on Monday afternoon 10/21; E5.1b (6 talks) will be on Friday afternoon 10/25.

Our proposal for a Special Session “Space Futures, Past and Present” was selected.

Olga is looking into the possibility of an additional, public event at the conference venue on Sunday evening 10/20. The idea would be to showcase student work in Space Architecture, and provide an opportunity for informal networking with conference delegates registering that day.

- **SAS V – WDC (Washington DC)**, Saturday 19 October 2019

We are currently still searching for a donated or sponsored venue. AIAA has no group facilities at their HQ; foreign nationals are not practical at the DC-area aerospace prime contractors’ facilities. SOM offices (Georgi is working it) or the Smithsonian are our next targets.

- **Proposed SATC F2F meetings in 2019**

Closer to ICES, we will poll the members about their plans for attending our 2019 conferences, but the most likely venue for our 2019 F2F SATC meeting will be at the IAC in Washington, in October.

Other 2019 conferences of potential interest to members: *Space Safety IAASS (15-17 May, LA); International Space Development Conference (6-9 June, Arlington); New Worlds Conference (15-16 Nov, Austin); SpaceCom (20-21 Nov, Houston); Orbital Debris Conference (9-12 Dec, Houston).*

Current work

2019 best-paper awards

15 papers (8 professional and 7 student) are under review by SATC’s volunteer reviewers.

Habitability Standard development committee

No report submitted. Last month, Ondrej distributed some forms, a draft document, and correspondence with AIAA confirming that the AIAA Standards Committee accepted the proposal to develop a Space Architecture standard.

Membership committee

No report submitted. In March, AIAA notified all eleven applicants for membership that they are joining the SATC. We will plan another SATC telecon soon to welcome and introduce them.

Outreach

No report submitted.

Web support

Recently added the feed from our Facebook page as a News page; the FB activity demonstrates visibility of and interest in space architecture. The rest of the website design hasn't been updated since 2013. It has limitations that don't allow including all the content that we want (e.g., we can archive presentation charts from a seminar series, but not the live audio). Additionally, much of the information on the site is out of date. We do not yet have a plan for migrating to a new ISP, renovating the site, and keeping it current: we need help from among our new members. Thomas volunteered to lead the tasks to make a new design and select a better ISP.

Other topics and member activities

Brand: He is leading a task to create a FISO-equivalent seminar series, to explore topics of interest to the membership and showcase member work and projects. He and Matt are currently defining topics for the start of a monthly or bimonthly series. The interim solution for archiving will be to have live audio call-in supported by AIAA, and archive chart packages on SpaceArchitect.org.

Action: Members should suggest seminar topics to Brand.

Scott: NASA awarded funding to two space-tech institutes for developing research and tech for "Smart Habitat." We do not yet know whether any SATC members are involved. The two teams are led by Purdue and by UC Davis. The call was heavy on machine learning, robotics, sensors, data processing, and AI. Gateway won't be occupied all the time.

Action: Scott will poll members via email to confirm any engagements, as a precursor to SATC formally approaching the two consortia.

Kevin: CLPS program. An "architectural approach" is missing, i.e., one that would marry infrastructure and system and payload development: more like technologies in search of an architecture, with no real plan for plugging into the Gateway/Surface ecosystem. Many disconnected efforts, which leaves an opening for potential SA impact, e.g., in reviewing payloads for selection.

Action: SATC will offer our 2019 roster to NASA as a source of potential evaluators.

Brent: Much activity ongoing in the wider world of human space flight: Space Council, Pence speech, new direction for US astronauts on surface by 2024; continued lunar landing attempts including the Beresheet failure on 4/11/19 and subsequent announcement of a Beresheet-2; upcoming ISRO landing attempt (early summer).

Kevin: Wishing Happy Yuri's Night!

Next Meeting

Brent/Olga will define a time to accommodate commitments by the project leads, then announce.