MINUTESPLASMADYNAMICS AND LASERS TECHNICAL COMMITTEE AIAA SciTech 2024Wednesday, 10 January 2024; 1900–2100 Eastern (USA)

Celebration 16*Virtual* via Zoom: [Zoom Link](https://purdue-edu.zoom.us/j/94352137640?pwd=clZyY3MxUFVRR0FEdmtFOGxKaEc5UT09)

1. **Introductions and Welcome** –Sally Bane, TC Chair
2. **Approval of Minutes from Last Meeting**
* Azer moves, Stanislav seconds, approval of minutes by unanimous vote
1. **Opening Remarks**
2. **AIAA Officials and Staff Updates (~7:30-7:45 pm)** – Dr. Steve Beresh, ASG Deputy Director
* Main topic of conversation with Steve was the new requirement to have at least one student TC member
* Variety of strong opinions expressed by TC members, will work to collect input from the TC for later discussion
* Asked Steve to provide some ideas/guidance about how to incorporate student members into TC activities, suggested that AIAA might provide more growth and leadership opportunities for these student members outside the TC
1. **Subcommittee Reports**
	1. Steering Committee: Trevor Moeller / Sally Bane
		* Sally wants to initiate a discussion on reorganizing the TC with actual subcommittees so that big tasks (awards, etc.) do not fall on only one person
		* Did not have much time to discuss, but overall the TC seemed receptive to this idea; Sally will follow up with current subcommittee “Chairs” to solicit their input
		* Will add to the AVIATION meeting agenda for further discussion
		* Angie Lander visit:
			+ Discussion about abstract/publication requirements
			+ Angie: this is a bit out of her area of knowledge, suggests bringing up to our group director (Martiqua), publications committee
			+ If you submit the paper to another journal and they pass it through a plagiarism detection software it will flag it
			+ Nice that these papers count towards your Google Scholar
			+ Azer: 100% disagrees, suggests that we have a group discussion about this before bringing the issue up to AIAA
			+ Counterpoint: To graduate, need 2 published papers and AIAA conference papers don’t count
			+ Angie: could invite speakers who don’t want to publish
	2. Membership: Sally Bane / Albina Tropina / Trevor Moeller
		* New membership applications
			+ Philip Varghese
				- more active in discharge physics, works with Raja
				- Unanimous vote to offer membership to Philip
			+ Ken Hara
				- Azer, Igor, Carmen Suo all spoke in favor of Ken
				- Unanimous vote to offer membership to Ken
			+ Ravichandra Jagannath
				- Sally’s former PhD student, now works for KLA
				- Concern expressed that another recent new member is from KLA and has never participated; KLA does not encourage participation in AIAA conferences
				- Sally will contact Ravichandra to discuss and will update the TC
		* Member expectations
			+ Sally will work with the Steering Committee and Albina (Vice Chair) to develop a short presentation on this topic before the AVIATION meeting
			+ Please send any thoughts/comments to Sally
	3. Honors and Awards: Richard Miles
		* Nominations for the PDL award are due ASAP – deadline is next week, January 15th
		* Currently have 1 nomination, need at least 3 to give the award this year
		* Sally: suggests we should have an actual committee, Albina and Sergey seconds, but should discuss with Dick (Sally will follow up)
		* When is the deadline for letters? Azer – letter deadline is February 1
	4. PDL Best Paper Award: Azer Yalin
		* Best Paper will be selected from papers presented at AVIATION 2023 and SciTech 2024
		* Sally with ensure that Azer receives the session chair reports with best paper nominations, Azer will reach out to the TC to recruit judges
		* Please also send any nominations directly to Azer
	5. PDL Best Student Paper Award: Mark Rennie
		* Mark sent out the list of our student-paper competitors for SciTech ’24. Please watch as many presentations as you can, either live or recorded, and send Mark your feedback. The feedback can be as simple as a list of presentations watched and ranking from best to worst.
		* New “Chair” needed! – James Creel – thank you!!
		* Discussion on future of the award, procedures
			+ Perhaps the student TC member(s) could help with administration of this competition?
			+ Discussed implementing a sign-up system where each TC member attending the conference would sign-up to attending and evaluating at least 3 presentations
	6. Walter R. Lempert Student Paper Award: Chris Limbach / Sally Bane
		* Thanks to Chris for taking over this award.
		* Chris will send an email reminder after the conference.
		* Could we identify potential nominees from the abstracts and group the presentations in special sessions?
	7. Liaisons to other TCs:
		* Fluid Dynamics TC: Need a liason
		* Propellants and Combustion TC: Suo Yang
			+ Have had many joint sessions
			+ PC TC – spends money to do career panel, offer food to attract students to attend
			+ PC TC members are highly supportive of including student members, already accepted all applications (1 or 2)
		* High Speed Airbreathing Propulsion: Suo Yang
			+ Less overlap with our TC, but noticed this year there are several talks in their sessions that do have some overlap, potential for joint sessions in the future
			+ TC members are also highly supportive of including student members, already accepted all applications (1 or 2); include students in abstract review, session chair
		* Electric Propulsion TC: Daoru (Frank) Han
			+ One joint session with PDL, EP, ASE
			+ Yesterday accepted 3 student members with unanimous approval; include students in abstract review, session chair
			+ EP will likely go to Ascend instead of Aviation; Aviation technical chair cannot pull abstracts from Ascend and vice versa, makes it difficult to organize joint sessions
		* Atmospheric and Space Environments TC: Daoru (Frank) Han
			+ See notes on EP TC above
		* Others
	8. AIAA Overall Domain Roadmap Subcommittee: Joe Zimmermann
* A couple more meetings coming up, none of us are interested in those topics/attending another meeting
	1. Plasma Aerodynamics Discussion Group Update: Sergey Leonov
		+ “New Faces” session – not new to the TC/topic but have not presented before
	2. Short Pulse (ps and ns welcome) Laser Discussion Group Update: James Creel / Chris Limbach
		+ James has agreed to step up and organize for this year
		+ Last talk block on the last day – please attend! 3:30 on Friday
	3. Plasma Kinetics Discussion Group Update: Andrey Starikovskiy / Igor Adamovich
		+ Ideas to encourage more discussion?
		+ Suggestion: after speakers give presentations, have them sit on a panel and have discussion/question and answer
	4. Website/Publications/Engage.AIAA.org : Ariel Blanco
		+ Invite students to the PDL public forum on Engage
		+ If you want to post and promote your research you can do that on the public forum
		+ Other TCs plan to have student members help with Engage, social meeting – extend our presence
	5. Education and STEM Outreach: Trevor Moeller
		+ Nothing new to report
	6. Aerospace America Year in Review: Carmen Guerra-Garcia / Andrey Starikovskiy
		+ Got 6 people contribute to YIR, lot of different topics that shows the breadth of our field
		+ Thank you to Carmen and Andrey for another great article!
1. **Meetings**
	1. 2023 AVIATION (San Diego, CA): Bernard Parent – THANK YOU!
	2. 2024 SciTech (Orlando, FL): Suo Yang and Stanislav Gordeyev
		* Meeting was running very long, so Suo gave a very short update
		* See attached slides for details
		* THANKS TO SUO AND STANISLAV FOR A GREAT CONFERENCE!
	3. 2024 AVIATION (Las Vegas, NV): Albina Tropina
		* review deadline for abstracts is next week
	4. 2025 SciTech Deputy (ASG) Forum Chair: Sergey Leonov
		* Nobody is in touch with him yet
	5. 2025 SciTech Technical Discipline Chair (Orlando, FL): Stanislav Gordeyev
* Alexey Shashurin and Sally Bane will serve as deputies
	1. 2025 AVIATION: Andrey Starikovskiy, Ciprian (Deputy)
	2. 2026 SciTech: Alexey Shashurin and Sally Bane
	3. 2026 AVIATION: Ciprian volunteered – THANK YOU!
1. **New Business:** ???