

Updates/Stats of SciTech 24 PDL Sessions

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A glance by numbers

- Submission statistics:
 - 76 abstracts submitted (78 in 2023)
 - 1 rejected (2 in 2023), 75 accepted (76 in 2023)
- Final statistics:
 - 12 withdrawn papers (14 in 2023)
 - 63 scheduled (62 in 2023)
- Forum PDL sessions
 - 13 technical paper sessions (13 in 2023)
 - 3 discussion groups / invited special sessions (4 in 2023):
 - PDL-06: Plasma Kinetics Discussion Group (Igor V. Adamovich & Andrey Y. Starikovskiy) (continued from 2023)
 - PDL-14: Plasma Aerodynamics Discussion Group (Sergey B. Leonov & Sally P. Bane) (new)
 - PDL-17: Short-Pulsed Lasers Discussion Group (James R. Creel & Christopher Limbach) (new)

Criteria used for abstract acceptance (same as 2023)

- At least 2-3 reviewers per abstract (preferably 3): Thanks for all the reviewers!
- Average score ≥ 3 (out of 5) and no more than 1 reviewer recommended a rejection
- Technical discipline chairs reviewed borderline cases (i.e., had one reviewer mark as reject or average score < 3) for final decision

Sessions (I)

| DATE/TIME | 9:30-11:30 AM | 1-3 PM | 3:30-5:30 PM |
|-----------|---------------------|-------------------------------|------------------------|
| MON | PDL-01/PC-02 | PDL-02/PC-06 | PDL-03/PC-11 |
| TUE | PDL-04/AMT-02/EP-05 | PDL-05/AMT-04 | PDL-06 |
| WED | PDL-07/APA-37 | PDL-08/APA-43 & PDL-09/APA-45 | PDL-10 & PDL-11/AMT-15 |
| THU | PDL-12/ASE-01/EP-13 | PDL-13 | PDL-14 |
| FRI | PDL-15 | PDL-16/AMT-29 | PDL-17 |

Sessions (II)

- PDL-01/PC-02: Plasma-assisted Ignition and Combustion I: Ignition
- PDL-02/PC-06: Plasma-Assisted Ignition and Combustion II: Chemical Reforming & Conversion
- PDL-03/PC-11: Plasma-Assisted Ignition and Combustion III: Static and Dynamic Stability
- PDL-04/AMT-02/EP-05: Plasma and Laser Diagnostics I: Thomson Scattering and Others
- PDL-05/AMT-04: Aero-Optics and Atmospheric Optical Turbulence
- **PDL-06: Plasma Kinetics Discussion Group**
- PDL-07/APA-37: Hypersonics and Entry Flow Plasmas I: Experiments
- PDL-08/APA-43: Hypersonics and Entry Flow Plasmas II: Simulation

Sessions (III)

- PDL-09/APA-45: Plasma-Assisted Aerodynamics and MHD
- PDL-10: Computational Methods for Plasmas and Lasers
- PDL-11/AMT-15: Plasma and Laser Diagnostics II: Nanosecond Pulsed Discharges and Reactive Flows
- PDL-12/ASE-01/EP-13: Atmospheric & Space Plasmas for Aerodynamics & Propulsion
- PDL-13: Plasma and Laser Physics II: Chemical Conversion
- PDL-14: Plasma Aerodynamics Discussion Group
- PDL-15: Plasma and Laser Physics I: Filamentary Discharges
- PDL-16/AMT-29: Plasma and Laser Diagnostics III: Experimental Applications
- PDL-17: Short-Pulsed Lasers Discussion Group

Observations/ session summary

- Prioritized:
 - Minimizing session overlap (put on Wednesday to maximize the chance of attendance: some people come late; some people leave early)
 - Spreading out sessions throughout week
 - Discussion groups had no overlap with other sessions
 - Topic coherency within sessions (sometimes difficult with last minute changes)
 - Session modification/consolidation due to low papers or authors' requests
- Joint sessions with PC, AMT, EP (not in 2023), APA, ASE

Issues

- Probably more than half of the authors requested paper deadline extension, which left very tight time for the program finalization
- Planning is complicated due to large number of cancellations
 - A few sessions were modified/consolidated:
 - Need to email the author(s) of each talk to obtain agreement of modification/consolidation;
 - For joint sessions, also need to discuss with the discipline chairs of other TCs.
- Need to remind for session chair acceptance