2024 Future Leaders in Aerospace Symposium

Stanford University | Massachusetts Institute of Technology | University of Colorado, Boulder | Pennsylvania State University

The 2024 Future Leaders in Aerospace Symposium, organized by Stanford University in conjunction with Massachusetts Institute of Technology (MIT), University of Colorado Boulder (CU Boulder), and Pennsylvania State University (Penn State) offers outstanding doctoral and postdoctoral researchers a unique opportunity to present their research, learn about careers in academia, discuss emerging trends in aerospace engineering, and build their network. Participants will:

- Exchange views on the future of aerospace engineering through research presentations, inspiring keynote presentations, and interactive panel discussions;
- Learn how to embark on the academic job search, win research grants, maintain career-life balance as a young faculty member, and design a sustainable research program;
- Engage with industry and government professionals to learn how to spark and maintain impactful academic-industry and academic-government research partnerships.

Participants (one to two years from, or up to two years following, receipt of their doctoral degree) will be selected through a competitive application process. Applicants should show a strong research background, contributions to the aerospace community, and an interest in pursuing a career in research.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>6:30 pm - 8:00 pm</td>
<td>Welcome Reception</td>
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| 9:00 am - 09:30 am | Welcome  
*Introduction*, Prof. Debbie Senesky (Stanford University)  
*Introduction*, Chair Juan Alonso (Stanford University) |
| 9:30 am - 10:30 am | TECHNICAL SESSION #1  
Propulsion & Combustion (6 student talks)  
*Moderator*: Asta Wu |
| 10:30 am - 11:00 am | Break                                                               |
| 11:00 am - 12:00 pm | PANEL #1  
*Putting Your Best Foot Forward: Winning the Faculty Position*  
*Panelist*: Prof. Manan Arya (Stanford University)  
*Panelist*: Prof. Maria Sakovsky (Stanford University)  
*Panelist*: Prof. Torin Clark (CU Boulder)  
*Panelist*: Prof. Adrian Lozano-Duran (MIT) |
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<tr>
<td>12:00 pm - 1:30 pm</td>
<td>Lunch &amp; Poster Session w/ Faculty</td>
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| 1:30 pm - 2:30 pm | TECHNICAL SESSION #2  
Aerodynamics & Controls (6 student talks)  
*Moderator: Lauren Simitz*          |
| 2:30 pm - 3:00 pm | Break                                                                  |
| 3:00 pm - 4:00 pm | PANEL #2  
Building a Thriving Research Career in Industry or  
Government Laboratory  
*Panelist: Dr. Hannah Alpert (NASA Ames)*  
*Panelist: TBD (TBD)*  
*Panelist: TBD (TBD)*  
*Panelist: TBD (TBD)*          |
| 4:00 pm - 4:30 pm | Group Photo                                                            |
| 4:30 pm - 5:30 pm | Break & Transit to Dinkelspiel Auditorium                              |
| 5:30 pm - 6:30 pm | Keynote (Dinkelspiel Auditorium)  
The Fusion Breakthrough  
Dr. Andrea “Annie” Kritcher (Lawrence Livermore National Laboratory)  
*Note: Co-organized with nano@stanford, SLAC, & Plasma Seminar Series* |
| 7:00 pm - 8:30 pm | Reception (Faculty Club)                                               |

**Day 3: Friday, May 17**
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| 9:00 am - 09:10 am | **Welcome**  
  *Introduction, Debbie Senesky (Stanford University)*  
  *Introduction, Dean Jennifer Widom (Stanford University)* |
| 9:10 am - 10:00 am | **TECHNICAL SESSION #3**  
  **Flight, Controls, & Navigation (5 Student Talks)**  
  *Moderator: Lauren Simitz* |
| 10:00 am - 10:50 am | **PANEL #3**  
  **Standing on the Shoulders of Giants: Mentoring, Promotion & Tenure**  
  *Panelist: Juan Alonso (Stanford University)*  
  *Panelist: Amy Pritchett (Penn State)* |
| 10:50 am - 11:00 am | **Break** |
| 11:00 am - 12:00 pm | **Keynote Presentation**  
  **Momentum after Pivotal e-VTOL Breakthroughs**  
  *Kristina Menton (Pivotal)*  
  *Note: Co-organized with the Aero/Astro Department & WIAA* |
| 12:00 pm - 12:45 pm | **Lunch & Round Table Discussion**  
  **Walking a Tightrope: Time Management, Career & Family**  
  *Panelist: Prof. Debbie Senesky (Stanford University)*  
  *Panelist: Prof. Hamsa Balakrishnan (MIT)* |
| 12:45 pm - 1:45 pm | **TECHNICAL SESSION #4**  
  **Materials & Structures (6 Student Talks)**  
  *Moderator: Asta Wu* |
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<td>The Stanford Dish Hike (Optional)</td>
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<td><em>Lead: Lauren Simitz</em></td>
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