

California Aerospace Technologies Institute of Excellence (CATIE)

# Inauguration of CATIE Industry and University Partnership Research Projects

*In conjunction with AFRL/RQR Basic Research Review Event*

**March 5, 2020**

John P. Eliopoulos Hellenic Center

43404 30th Street West, Lancaster, CA 93536



**California Aerospace Technologies Institute of Excellence**

*Connects leaders in innovative aerospace research, exemplary education,  
and inspirational outreach*

California Aerospace Technologies Institute of Excellence (CATIE)

# Inauguration of CATIE Industry and University Partnership Research Projects

*In conjunction with AFRL/RQR Basic Research Review Event*

## SESSION AGENDA

1:00–1:10 pm **Background and Introductions** – Dr. Khalil Dajani, CATIE Director

1:15–1:30 pm **Space Ventures Coalition** – Mr. Andre Doumitt

### Academic Institutions & Industry Collaboration Projects

1:45–2:15 pm **California State University, Long Beach**

- Project “Interfacial Physics of Propellants,” Dr. Joseph Kalman and Aerospace Corporation and Resodyne Acoustic
- Project “Machine Learning Based High-Speed Temperature Measurement of Metal Melt Pool for Additive Manufacturing,” Dr. Aftab Ahmed and Alpha Star Corporation

2:20–2:50 pm **University of Southern California**

- Project “Low Temperature Solid Propellant Investigations for Mechanical Properties,” Mr. David Barnhart and Exquadrum Inc.

2:55–3:20 pm **California State Polytechnic University, Pomona**

- Project “Flight Demonstration of Advanced CubeSat Subsystems,” Dr. Navid Nakhjiri, Dr. Don Edberg and NASA JPL

### State of California Government Representatives

3:30–3:50 pm **US Senate, State Assembly, and City of Lancaster Representatives**

Representative of Assemblyman Tom Lackey – California State Assembly, 36th District Assembly  
City of Lancaster Council Member and Representative

3:50–4:00 pm **Questions and Concluding Remarks**



*CATIE collaborates with broad, multi-educational institutions in research programs and award-winning educational outreach*