



# General Meeting

January 15, 2020

# What is AIAA?

*AIAA provides:*

- Advocacy for the Aerospace Industry
- Programs, Education, Local Section Activities, Awards, Member Advancement
- Social activities – YP and others
- Publishing
- Students – scholarships, competitions
- Conferences and local activities (could also be conference-like event)
- Networking, information, career/professional development
- Career resources

# Student Membership

- Any full-time student is eligible to become a student member. This includes high school, undergraduate and graduate students.
- Benefits of Student Membership
  - Undergraduate Scholarships
  - Design Competitions
  - Design, Build, and Fly(DBF)
  - Graduate Awards
    - Dr. Abe M. Zarem Distinguished Achievement
    - Orville and Wilbur Wright Graduate Awards
  - Regional Student Conferences
  - Career Center for job seekers

# Announcements

- A volunteer State Captain is urgently needed to coordinate communication with the national leadership for CVD
- If you plan to attend, please consider volunteering
- State Captains have a higher priority to receive the travel subsidy



# Announcements



- Laser Interferometer Gravitational-Wave Observatory tour planned for February 5, 2020 at 4:00 PM
- RSVP: Larry de Quay [larry.dequay-1@nasa.gov](mailto:larry.dequay-1@nasa.gov)

# Upcoming Events and Deadlines

## **January 17, 2020**

- Deadline to apply for AIAA Foundation Classroom Grant Program

## **January 31, 2020**

- Deadline to apply for Congressional Visits Day travel funding

## **February 5, 2020**

- LIGO tour, Livingston, LA

## **February 10, 2020**

- Greater New Orleans Science and Engineering Fair at Tulane, New Orleans LA

# Upcoming Events and Deadlines

**March 18, 2020**

- Congressional Visits Day, Washington D.C.

**March 24, 2020**

- MS Region VI Science Fair, Biloxi, MS

**March 31, 2020**

- Last day to submit an entry to the AIAA Space Systems Technical Committee middle school essay contest

**April 6 to 7, 2020**

- AIAA Region II Student Conference, Tuscaloosa, AL

**August 24 to 26, 2020**

- AIAA Propulsion and Energy Forum, New Orleans, LA

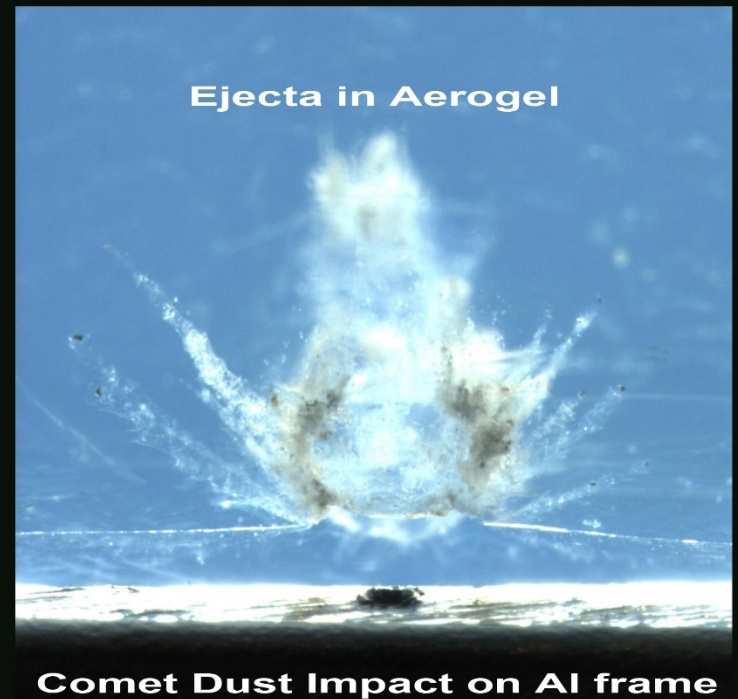
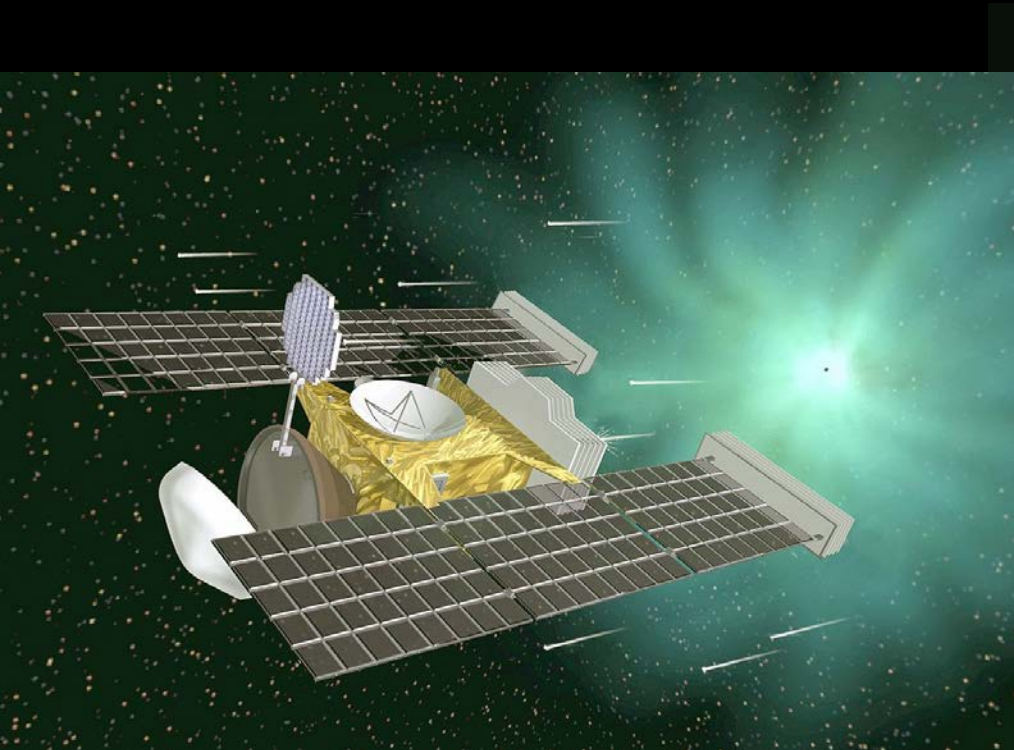
# Volunteer Opportunities

- STEM Outreach (K-12 and College)
- Social Chair
- Event Coordinator / Logistics
- Young Professionals
- Graphic Design / Webmaster
- Fundraising
- Nominating Committee
- Science Fair Working Group

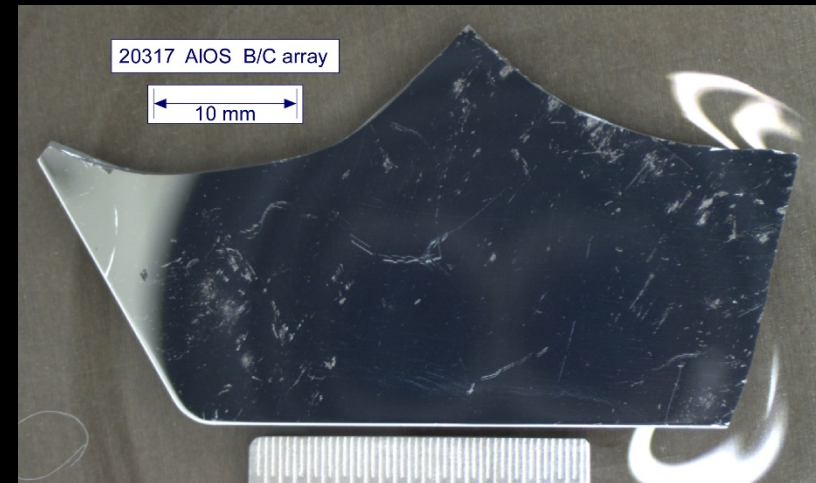
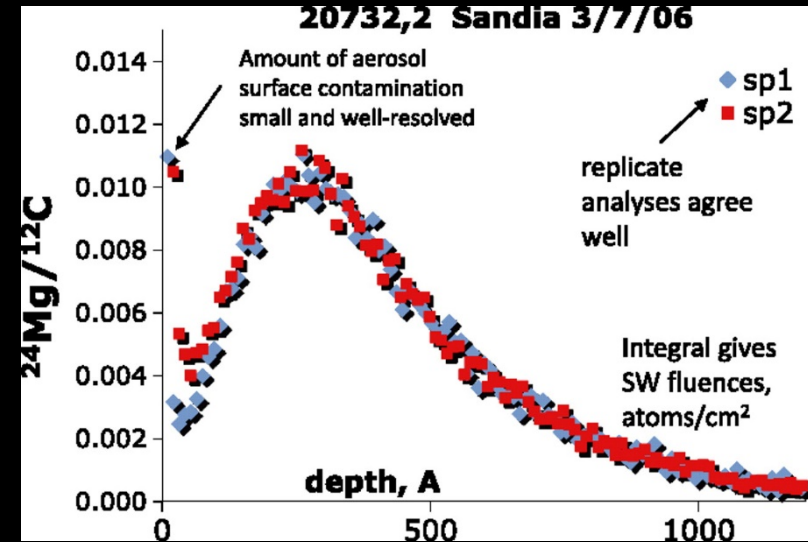


# Space Trivia

Name the mission that became the first to return samples from a comet exactly 14 years ago.



# Hint 1: It's not the Genesis Mission



# Hint 2: The mission collected dust from comet Wild 2

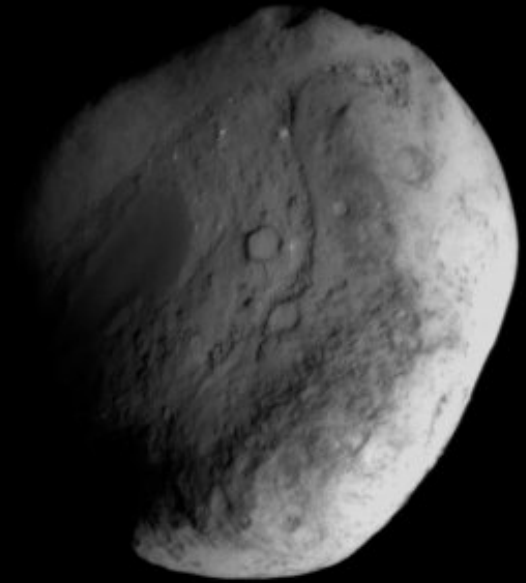
Annefrank



Wild 2

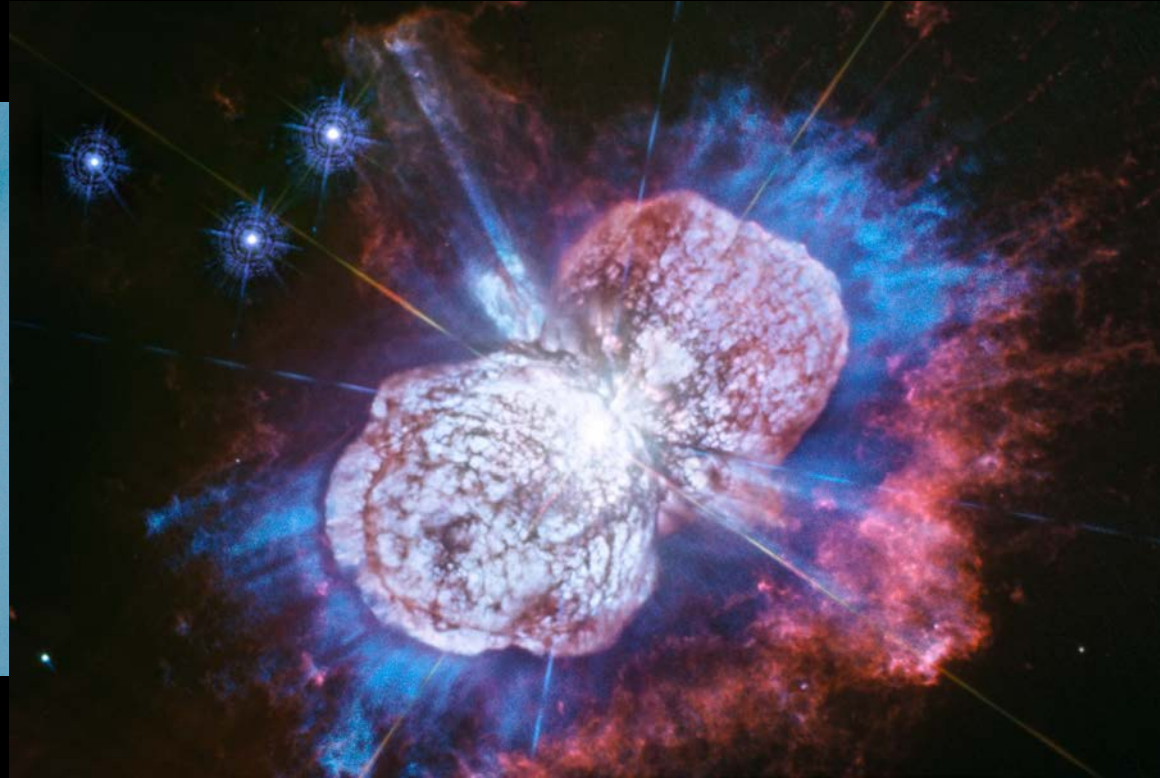
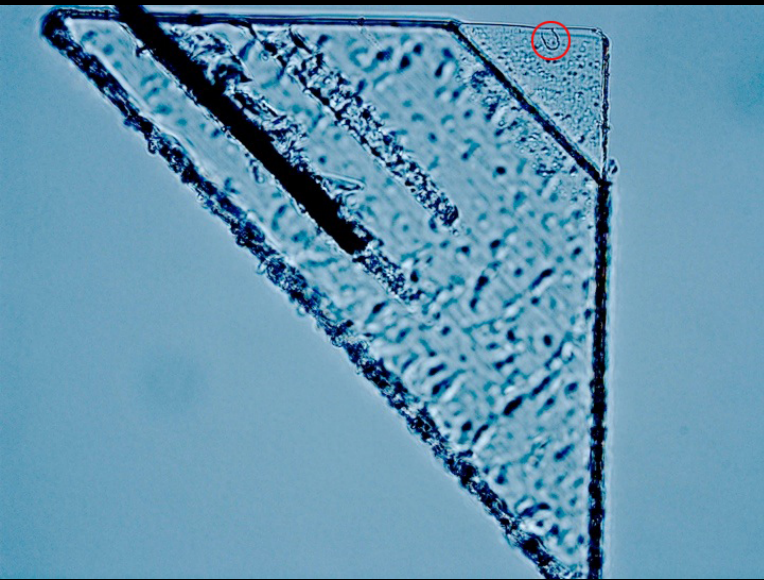


Tempel1

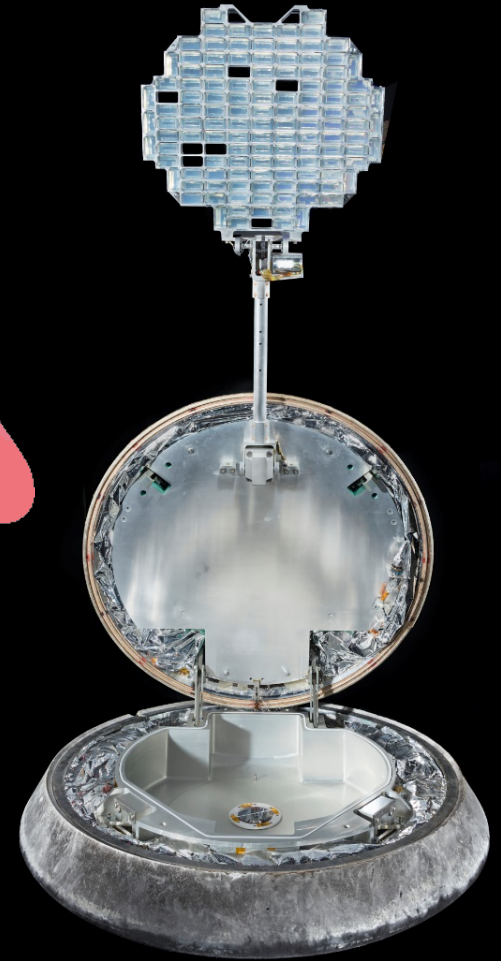
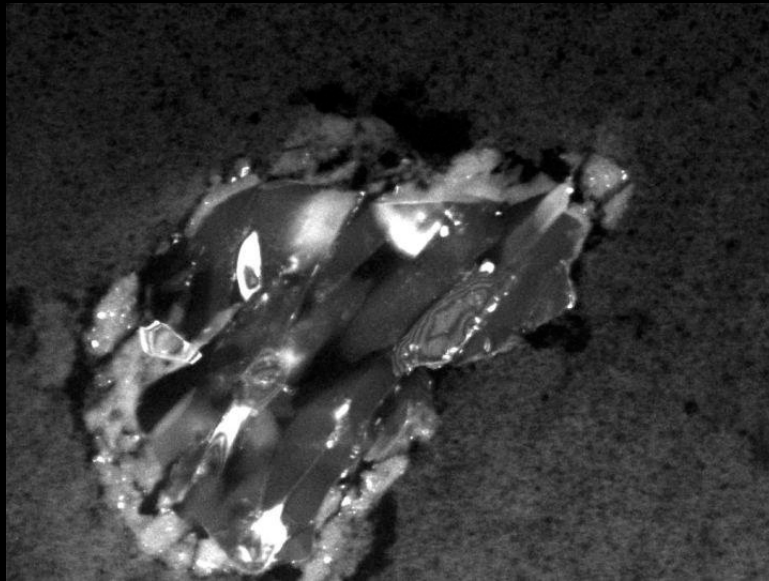
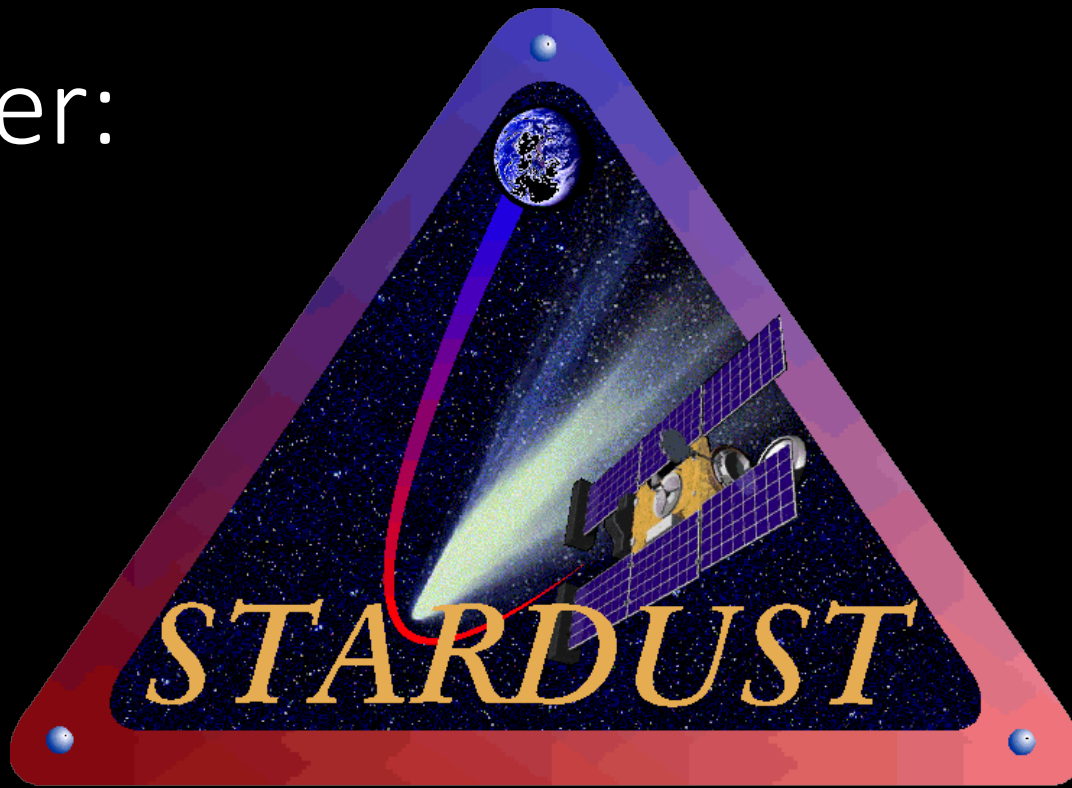




# Hint 3: Evidence of interstellar dust was observed



Answer:





Please RSVP by January 13, 2020 to: Glen Guzik, GNO Section Chair  
[glen.a.guzik@nasa.gov](mailto:glen.a.guzik@nasa.gov)

Visit us online: [engage.aiaa.org/greaterneworleans/](https://engage.aiaa.org/greaterneworleans/)

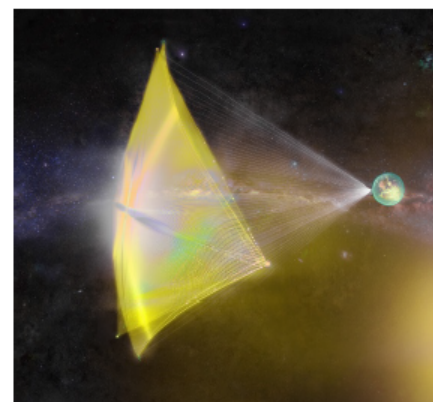
## Section Dinner Meeting – January 15, 2020



**Venue:** Lagniappe Room at NOLA Southern Grill  
1375 Gause Blvd,  
Slidell, LA, 70458

**Itinerary:** 6:00 pm - Networking  
6:30 pm - Dinner  
7:00 pm - Presentation

<b>Cost:</b>	Professional members	\$10
	Non-members	\$20
	Student Members	Free, RSVP required



### Guest Speaker – Jim Cavera

#### “Future Propulsion: Nuclear Fission, Fusion, and Beyond”

AIAA GNO invites you to join Blue Origin senior engineer Jim Cavera for a talk on advanced space propulsion topics including the theoretical underpinnings of nuclear propulsion, historical experiments, and future prospects.

Jim has undergraduate degrees in optical engineering and physics, and his graduate work was in nuclear engineering and aerospace engineering, during which he explored the use of dense plasma focus devices for interstellar travel. He has served for many years on AIAA's Nuclear and Future Flight technical committee and is currently its publication director. His current research is in neutronics and MHD codes for fusion device simulation.