

September/October 2011



### **Chairman's Corner: Susie Allen-Sierpinski**

Written By Susie Allen-Sierpinski  
Cape Canaveral Section Chairman

Welcome to another exciting AIAA year! The council members of the Cape Canaveral section have already been hard at work planning some great events for everyone to participate in, including our traditional dinner meetings, meet and greet events, and the Engineers Week banquet. Our goal for this year is to increase our K-12 STEM program and increase awareness of AIAA in the community.

I am pleased to announce our first few events of the year and more information can be found later in this newsletter. Our first Meet and Greet will be held at the Enigma Café in Satellite Beach on September 29<sup>th</sup>. Be on the lookout for the AIAA booth at the Florida Tech Aviation Day on September 24<sup>th</sup>. We are also co-hosting a technical conference with Florida Tech on October 15<sup>th</sup>. Finally the first dinner meeting will be held on November 17<sup>th</sup> at the Radisson Resort at the Port with AIAA Distinguished Lecturer Dr. George Bibel.

We are also working on expanding our communication with you, our members. Our website will continue to have all of the upcoming events listed along with sign up information [https://info.aiaa.org/Regions/SE/Cape\\_Canaveral/default.aspx](https://info.aiaa.org/Regions/SE/Cape_Canaveral/default.aspx) and don't forget to join us on our Facebook page.

We have a very enthusiastic council again this year. A complete listing of this year's council members can be found later in this newsletter, and with your help, we look forward to making this year in AIAA a great one.

If you have ideas for new events or field trips please do not hesitate to contact me:

[Susie.allen@gmail.com](mailto:Susie.allen@gmail.com) or any of your other council members.

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### **Tell Your Friends about AIAA**

Share the value of AIAA with your nonmember friends or colleagues. For every new member you recruit, you will earn a \$5 bonus through the [AIAA Referral Program](#).

### **Welcome, New Members!**

The Cape Canaveral AIAA Section would like to take this opportunity to recognize the new professional and student members, rejoining members and transfers between June and August to our section:

Pooya Aghasi

David Alexander  
Michele Birmele  
Mario Castro  
Joseph Dietz  
Kyle Drewes  
Jennifer Holland  
Mary Hummerick  
Greg Johnston  
Andrew Lester  
Oscar Monje  
Kenneth Schmidt  
Richard Strayer  
Raymond Wheeler

## **AIAA Cape Canaveral Section is now on Facebook!**



Written By Tristan Clouse &  
Jennifer Holland

Cape Canaveral Section Vice  
Chairman & Newsletter  
Editor/Communications Officer

The AIAA Cape Canaveral Section now has a Facebook page! Simply sign in to Facebook and search for “AIAA Cape Canaveral Section”. Our page will be updated regularly with upcoming events and information from the Council. Check back frequently!

We want to hear from our members! Tell us what you think of the new Facebook Page, how we can improve it, etc. Do you have a question you need answered? Do you need a guest speaker and/or volunteers for your event? Use our page to ask your fellow section members for their help!

## **Technical Conference Update**

Written By Susie Allen-Sierpinski  
Cape Canaveral Section Chairman

The Technical Conference Planning Committee has been working hard to develop an excellent program for the upcoming conference. Speakers include Dr. John Deaton from Florida Institute of Technology who will be sharing his experiences aboard a Mars simulated habitat in the Utah desert, and Mr. Chris Nagy who will be sharing videos of the X-31 accident that occurred in Dryden in 1994 and the causes of the accident. We still have a couple of presentation spots open, if you are interested in sharing your work or research please contact the conference committee at

[canaveral.aiaa.conference@gmail.com](mailto:canaveral.aiaa.conference@gmail.com).

Registration for the conference is now open on the Cape Canaveral section website; the cost includes the speaker sessions and lunch with keynote speaker Mr. Patrick Simpkins of NASA.

Further questions should be directed to  
Robert Driscoll at  
[canaveral.aiaa.conference@gmail.com](mailto:canaveral.aiaa.conference@gmail.com).

## **Florida Tech AIAA Update**

Written By Josh Camara

Florida Institute of Technology AIAA Member

The Florida Tech Chapter of AIAA had a very productive 2010-2011 school year. The group had established a connection with the Missileers group in Cocoa through their annual dinner banquet. A group of retired men and women who have worked to support the Space Industry and NASA from the very beginning come together to share stories and experiences. It was a remarkable experience

to hear firsthand accounts and meet the people who were there from the beginning. We are hoping to keep up that connection and develop it more this school year. The chapter also worked with the professional chapter and was able to finagle a backstage tour of Kennedy Space Center and the take a behind the scenes look at the Space Shuttle. The largest thing our chapter participated in was the Southeast region AIAA Student Conference at the University of Alabama. This was a great experience for all the students who went, whether they were presenting or just listening and learning. Everyone who went had a great time and commended the University of Alabama for the great job that they did in running last year's student conference.

This upcoming 2011-2012 school year has a lot planned. We are working with the Cape Canaveral Professional Section to conduct a Technical Conference here at Florida Tech. This will bring in professionals from around the area to present research and special topics in aerospace. The Florida Tech Chapter of AIAA will also be the co-host of this year's Regional AIAA Student Conference in April. This is the main project that we will be doing this year and it will take a lot of time and effort on the part of our members to improve on the success of last year's conference. The FIT group has worked very hard to expand our chapter, now with about a hundred active members. Furthermore, the FIT group has added a new E-Board position which will handle competitions and allow members to participate in all of the competitions that AIAA has to offer. Overall, we are looking forward to one of our most active and exciting years.

## Embry Riddle AIAA Update

Written By Steve Seyler

ERAU AIAA Student Branch President

Last year saw the most activity for the American Institute of Aeronautics and Astronautics Student Branch at Embry-Riddle Aeronautical University in recent memory. The organization drastically increased membership, organized several events on campus for students, brought speakers to the university, and began to rebuild its presence in the Cape Canaveral Section.

Events from last year included a student and faculty barbeque at nearby Tomoka State Park with the engineering faculty and the Robotics Association at Embry-Riddle. For the 2011-2012 barbeque we will be including several other societies such as Embry-Riddle's chapter of Sigma Gamma Tau, the honor society for Aerospace Engineering, Embry-Riddle's chapter of Tau Beta Pi, the engineering honor society, and Embry-Riddle's chapter of the Society of Women Engineers.

ERAU AIAA also brought several speakers to campus. Those speakers included Dr. Ian Halliwell, a propulsion research engineer with Avetec, Al Worden, an Apollo 15 CMP, and Alan McDonald author of Truth Lies and O-rings spoke about the Challenger Space Shuttle disaster. For the 2011-2012, we are looking to include more speakers, such as Dr. Ian Halliwell, a propulsion research engineer with Avetec and Dr. John Anderson Jr., a curator of Aerodynamics at the National Air and Space Museum.

The ERAU AIAA Student Branch has come a long way this past year. Membership in the 2010-2011 went from five to over 50

active student members and interest and involvement keeps growing. The branch has also received the very respectable standing of Gold-wing status from the university. As a student branch we are continuing to improve participation on campus and at national AIAA events. To continue the success of last year, we have already seen from the start of fall 2011 semester a growth to over 140 student members.

The student branch has a great deal of events planned for the 2011-2012 school year:

- Attending student and professional conferences, and more events held by the Cape Section:
- Co-sponsoring the 2012 Student Conference with FIT in April
- Manning a table at FIT Aviation Day on September 24th
- Student and Faculty BBQ on November 5th
- Sponsoring building competitions during Embry-Riddle's E-Week festivities
- Tours of nearby engineering companies
- Participating in competitions including:
  - AIAA undergraduate student design competitions
  - CanSat design, build, launch competition
  - SAE Heavy Lift Competition
  - Oklahoma State University Speed Fest
  - Continued service through the Volusia County Adopt-A-Road Program

See our Connections page to keep yourself informed between Cape Newsletter updates <https://connection.erau.edu/organization/AIAA>

## 2011-2012 Cape Canaveral Section Council Members

We are proud to introduce to you the 2011-2012 Council members for the Cape Canaveral Section. Please feel free to contact council members with any questions you may have.



Chairman [Susie Allen-Sierpinski](#)



Vice Chairman [Tristan Clouse](#)



Treasurer [Matthew Zuk](#)



Secretary [Paul Sierpinski](#)



Membership [Kyle Unfus](#)



Career Enhancement [Roelof Schuiling](#)



Young Professionals [Luke Roberson](#)



Honors & Awards [David Fleming](#)





RAC [Bill Macdonald](#)  
Representative



Technical [Robert Driscole](#)  
Activities



Newsletter/  
Member Communications [Jennifer Holland](#)



Education [Peter Warren](#)



K12 STEM [Christian Pinto Rey](#)



Member [Yvonne Parker](#)  
At Large



Member [Joe Dietz](#)  
At Large

Webmaster [Michael Deimeke](#)



Public Policy [Kevin Simmons](#)



Florida Tech [Joe Bussenger](#)  
Student Branch President



ERAU [Steve Seyler](#)  
Student Branch President

## Upcoming Events

### Aviation Day 2011 at Florida Institute of Technology – Melbourne International Airport

Florida Tech is holding Aviation Day 2011 at the Emil Buehler Center for Aviation Training & Research. Come see a variety of military, homebuilt and civilian aircraft. There will be displays, food, and educational booths and for the first time this year, F.I.T. will host the only Aviation related 5K run/walk in Brevard! The admission is FREE. Aviation Day offers something for everyone!

### Cape Canaveral AIAA Section Meet n' Greet – Aloha at Enigma Cafe

On Thursday, September 29th 5:00pm – 8:00pm we have planned a great night of Hawaiian fun at Enigma Café in Satellite Beach! The event will have great food and trivia. See the attached flyer for further details. Hope to see you there!

### Kennedy Space Center Amateur Astronomers

Join the KSC Amateur Astronomers for their monthly Star Parties! Check the website below for upcoming Star Party dates. Star Parties are held from the time it gets dark until you decide to go home. You may look through everyone's telescopes and/or bring your own telescope or binoculars. Club members will be happy to help you find interesting things to look at! See the website below for more information and maps. Also, please make note of Star Party etiquette (see website).

<http://www.4saleusa.net/kscaa/index.html>  
POC:Skip Owens: [clark.v.owens@nasa.gov](mailto:clark.v.owens@nasa.gov)

### **AIAA Cape Canaveral Technical Conference**

The Cape Canaveral of AIAA and the Florida Institute of Technology AIAA Student Chapter are cohosting a regional aerospace technical conference on October 15<sup>th</sup>, 2011.

Please send any inquiries to:  
[Canaveral.AIAA.Conference@gmail.com](mailto:Canaveral.AIAA.Conference@gmail.com)

### **Cape Canaveral Air Force Station Tours for the Public**

Announced on FloridaToday.com, the 45th Space Wing Public Affairs Office is offering free public tours at the Cape Canaveral Air Force Station (includes the Cape Canaveral Lighthouse, Air Force Space and Missile Museum, etc., in the 3-hour tour) is now two days a week: Wednesdays and Thursday. Reservations are required and seating is limited, on a first-come, first-serve basis.

Call 494-5945 for reservations and information or email [ccafstours@patrick.af.mil](mailto:ccafstours@patrick.af.mil).

### **Other Useful Information**

#### **AIAA Career Center**

AIAA is pleased to provide members with a Career Center, with extensive lists of resumes and available positions. A powerful and user-friendly search tool allows you to find the ideal job or candidate.

<http://careercenter.aiaa.org/>

FLORIDA TECH'S  
**AVIATION DAY**  
2011

**SATURDAY, SEPT. 24, 2011**

5K starts at 7:30 a.m.

General event starts at 9 a.m. – 4 p.m.

**MILITARY, CIVILIAN & HOMEBUILT AIRCRAFT AND DISPLAYS**

**FREE**  
ADMISSION  
& PARKING



**FOOD & EDUCATIONAL BOOTHS**

- 5K race, only aviation-themed race in the area, lots of awards, breakfast provided, raffle at the end
- Biplane rides • Kids area
- Raffle of a replica space shuttle signed by NASA astronauts!



**Location:**

Emil Buehler Center for Aviation Training & Research

801 Harry Goode Way, adjacent to the Melbourne International Airport, off NASA Blvd., near the control tower.



*Florida Institute of Technology*  
COLLEGE OF AERONAUTICS



For updated aircraft list  
and more information visit:  
[www.fitaviationday.com](http://www.fitaviationday.com)



# ALOHA

CAPE CANAVERAL



## Fall Meet-N-Greet

Are you a new AIAA member or did you recently move to the Space Coast? Do you want to network with other members? Want to know what's new and have a fun night with great FREE food?

### WHEN:

**September 29, 2011**

**5:00pm – 8:00pm**

### WHERE:

**@ Enigma Café**

**1550 Hwy A1A**

**Satellite Beach, Florida 32937**

- ☘ Buffet style dinner
- ☘ Cash Bar
- ☘ Trivia & Games – With prizes!

### RSVP:

To: [Kyle.Unfus@ngc.com](mailto:Kyle.Unfus@ngc.com)

By: September 22<sup>nd</sup>

**Wear your Hawaiian Shirt!**





American Institute of  
Aeronautics and Astronautics

Cape Canaveral AIAA Section Dinner Meeting

*Thursday, 17<sup>th</sup> November*

**Presenting**

**AIAA Distinguished Lecturer**

**Dr. George Bibel**

***“Beyond the Black Box: The  
Forensics of Airplane Crashes”***



Date: **Thursday**, November 17, 2011

Time: 6:00 – 6:45 Social (**Cash Bar**)

6:45 – 7:30 Dinner (Pesto Cream Chicken or Chili Seared Grouper)

7:30 – 8:30 Presentation

8:30 – 8:40 Q&A

8:40 – 9:00 AIAA Business

Location: Radisson Resort at the Port

Convention Center

8701 Astronaut Blvd, Cape Canaveral

Cost: \$25 AIAA Members

\$28 Non-members

\$17 Student AIAA Members



**RSVP by Web (preferred):** Registration and Payment in advance is accepted through PayPal at [https://info.aiaa.org/Regions/SE/Cape\\_Canaveral/default.aspx](https://info.aiaa.org/Regions/SE/Cape_Canaveral/default.aspx)

More info? Contact Susie Allen-Sierpinski at [susie.allen@gmail.com](mailto:susie.allen@gmail.com) or 321 225-4335

# Dr. George Bibel

## Biography

Dr. George Bibel is a professor of mechanical engineering at the University of North Dakota. He recently published a book; “Beyond the Black Box: The Forensics of Airplane Crashes”. Professor Bibel lectures about the book as a Distinguished Lecturer for the American Institute of Aeronautics and Astronautics (AIAA). The book has also been developed into a training seminar presented by Bibel at Boeing.



**October 15, 2011**

The Cape Canaveral Section of AIAA and the Florida Institute of Technology AIAA Student Chapter are happy to announce they are co-hosting a regional aerospace technical conference on October 15<sup>th</sup>, 2011.

**Itinerary**

8am Opening Remarks

9am to 12pm Sessions

12pm to 1pm Lunch with Keynote Speaker

1pm to 5pm Sessions

**Registration Rates**

\$30 Early Registration until October 1<sup>st</sup>

\$40 Professional Registration

\$25 Student Registration

**Meal**

Lunch will be provided with a choice of

Chicken, Beef or Vegetarian entrée.

**Contact information**

Please send any inquiries to [Canaveral.AIAA.Conference@gmail.com](mailto:Canaveral.AIAA.Conference@gmail.com)

Register at:

[https://info.aiaa.org/Regions/SE/Cape\\_Canaveral/Lists/Announcements/Attachments/28/Tech\\_Conf\\_Registration.html](https://info.aiaa.org/Regions/SE/Cape_Canaveral/Lists/Announcements/Attachments/28/Tech_Conf_Registration.html)