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## May 2017 School of Graduate Studies Newsletter

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# PH.D. IN AVIATION NEWSLETTER

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY | COLLEGE OF AVIATION

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# NOTES FROM THE DEAN

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## GREETINGS!

It occurs to me that this is the first department newsletter we have had since October when I advised you about some organizational changes here in the College of Aviation that included my appointment as dean. We'll try to get back into a rhythm of more frequent newsletters to keep you apprised on news and events affecting our program.

First, at the university level, Dr. P. Barry Butler assumed the presidency of Embry-Riddle in March. Dr. Butler's academic background is in aeronautical and mechanical engineering, and he comes to us from the University of Iowa where he served most recently as provost. We're truly excited to have him on board and look forward to seeing where he will lead the university. [Click here for full announcement](#) [↗](#).



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**Dr. Alan J. Stolzer**  
*Dean of the College of Aviation*

I would also like to announce that we have a new leader for graduate education in the College of Aviation. Dr. Tony Cortés will assume the role of Associate Dean of a new COA School of Graduate Studies in June. This school is being formed to carry out my vision of significantly growing our graduate education portfolio in the college, and having observed him serve as our college associate dean for the past six months, I know that Dr. Cortés is the right person to lead the school. Professor Daniel Friedenzohn, Associate Professor in the Department of Aeronautical Science, will assume the role of associate dean for the college. Congratulations to both Dr. Cortés and Professor Friedenzohn on their new appointments!

I'm also delighted to introduce Katie Esguerra as our new coordinator for admissions and marketing. Katie comes to us from our Worldwide Campus where she served as an Undergraduate Academic Advisor since February 2010. Read more about Katie on page 2.

Congratulations to Dr. John Maris who will receive his Ph.D. in Aviation medallion on May 7. He will also be honored at the Daytona Beach Commencement Ceremony on May 8. Well done, Dr. Maris! In addition, I'd like to once again recognize our December 2016 graduates – Drs. Broyhill, Kiernan, O'Leary and Ostrowski. We're very proud of you and your accomplishments.

Please see page 5 to read about upcoming dissertation defenses; please plan to participate in these. It's important!

I'd like to recognize Dr. Kevin O'Leary for receiving the Stanley N. Roscoe award from The Aerospace Human Factors Association. Read more about his award on page 4.

Finally, please plan to attend the 30th annual National Training Aircraft Symposium from August 14-16 on the Daytona Beach Campus. [Click here for more details](#) [↗](#).

*As always, we wish you much success on your transformative intellectual journey!*

# NEW FACULTY AND STAFF



## **DR. SCOTT R. WINTER**

*Assistant Professor of Doctoral Studies*

Scott R. Winter, Ph.D., ATP, is an assistant professor of doctoral studies. During his academic career, he has authored or co-authored over 25 journal articles and over 50 conference proceedings. He has recently participated in FAA-sponsored research that examined pilot performance when using angle of attack indicators as postproduction modifications on single-engine general aviation aircraft, and contributing and causal factors of general aviation runway incursions. Within the last four years, he has been PI or co-PI on over \$650,000 dollars of federally funded research. Prior to his Ph.D. and academic career, Dr. Winter worked in the Flight Standards and Operations department at Cirrus Aircraft. During this time, he was responsible for providing company training and safety materials, and he also served as an international representative, completing many flights abroad. His current courses are related to research methodology, experimental design, statistics, data analysis and results processing. He received his Ph.D. in Technology from Purdue University, and a master's degree in Cross Disciplinary Studies and a bachelor's degree in Professional Flight from Minnesota State University, Mankato.



## **KATIE ESGUERRA**

*Marketing & Admissions Coordinator, Ph.D. in Aviation Program*

Katie Esguerra has joined our department as the Marketing & Admissions Coordinator for the Ph.D. in Aviation Program. Katie moved to Ormond Beach from Greenfield, Mass. in August of 2007. She graduated from Western New England College (now University) with a BSBA in Management. She began her professional career as a buyer for a local, family-owned, department store. She gained valuable knowledge in the retail industry, which led her to work as the Assistant Store Manager for Ann Taylor Loft. She then worked for Greenfield Savings Bank as a Home Equity Originator, underwriting Home Equity Loans and Lines of Credit. Katie then moved to Florida and worked for Colonial Bank (now BB&T) as a Commercial Lending Assistant. Katie made a career change in early 2010 when she joined Embry-Riddle Worldwide as a New Student Advisor. She transitioned into an Undergraduate Academic Advisor I and was promoted to Undergraduate Academic Advisor II in January of 2016. Katie just finished the LEAD-ER Program with Embry-Riddle and is now a graduate of the 2016-2017 Cohort. In her spare time, Katie enjoys spending time with her 4-year-old daughter, Mia (the joy of her life!), reading, working out and participating in outdoor activities. Her near future goals are to be more involved with her church community as well as her local community and to start the MBA program here at Embry-Riddle.

# UNIVERSITY RESEARCH NEWS

## NEW RESEARCH PUBLICATION



Introducing the inaugural issue of *ResearchER*, a twice-yearly publication highlighting some of the exciting research happening here at Embry-Riddle.

Over the past decade, we have been positioning ourselves to become a major player in research and innovation by investing in our faculty, building infrastructure, expanding our roster of degree programs to meet industry needs, and transforming our culture to embrace the discovery of new knowledge.

Those endeavors will take a substantial step forward with the completion of the John Mica Engineering and Aerospace Innovation Complex (MicaPlex) and an adjacent start-of-the-art wind tunnel – together forming the cornerstone of the Embry-Riddle Research Park in Daytona Beach – as well as the STEM Education Center at the Prescott Campus. These new facilities will usher in a new era of research, innovation and entrepreneurship.

Becoming the world's leader in aerospace education and research is an ambitious goal, but as the content of *ResearchER* shows, we're making significant strides toward

achieving it. This inaugural edition was made possible through the leadership and enterprising work of Tony Brown, Senior Communications Director of Alumni & Development Communications, and his team of talented writers, Sara Withrow, Melanie Azam and Alan Cesar. Moving forward, the magazine will be produced under the guidance of Ginger Pinholster, Interim Vice President for Marketing and Communications.

# AWARDS AND PUBLICATIONS



**DR. MARK A. FRIEND**

*Professor of Doctoral Studies*



Dr. Mark Friend has published another book, "*Planning and Managing the Safety System.*" Edited by Ted S. Ferry & Mark A. Friend.



**DR. KEVIN O'LEARY**

*Recent Ph.D. Graduate*

We are proud to announce that Dr. Kevin O'Leary, a recent graduate of the Ph.D. program, has received the Stanley N. Roscoe award from The Aerospace Human Factors Association.

The Stanley N. Roscoe award is given each year to the best doctoral dissertation written in a research area related to aerospace human factors.

The award was presented on May 1st at the annual Aerospace Human Factors Association luncheon and business meeting held in Denver Colorado.

Accompanying the award is a \$500 honorarium. Also in attendance was, Dr. Benjamin "BJ" Goodheart, who served as the outside committee member for the dissertation.

# DISSERTATION DEFENSES



*Members of Dr. Maris' oral defense committee, from left to right:  
Dr. Maj Mirmirani, Dr. Carolina Anderson, Dr. John Maris, Dr. Antonio  
Cortés and Dr. Dahai Liu.*

## DR. JOHN MARIS

On January 27, Dr. John Maris successfully defended his dissertation on aircraft stall warning system effectiveness during airborne icing encounters. As if passing his dissertation defense wasn't enough, that same week John was named "Defence Executive of the Year" by *Canadian Defence Review* magazine.

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## CASEY RICHARDSON

Casey Richardson's dissertation will take place on Wednesday, May 31 on the Daytona Beach Campus at 1 p.m. Please mark your calendars. Additional information will be forthcoming.

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## TIMOTHY ALLEN SESTAK

Timothy Sestak's dissertation took place on May 1, 2017. We hope everyone had the opportunity to login for the session.

# PH.D. PROGRAM NOTES

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## AUGUST RESIDENCY ACCOMMODATIONS

For the convenience of those attending the August residency, we have negotiated a special group hotel rate with the Residence Inn Daytona Beach Speedway/ Airport. The cost is \$117 per night plus tax for the Studio King. We have also arranged shuttle service to and from the hotel to the university each day at no charge.

### To book your reservations:

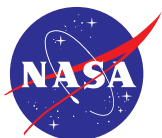
- › Call 1-888-236-2427 or 386-252-3949 and request a reservation under the ERAU Ph.D. Residency College of Aviation room block – Studio King. You may also book your room online by [clicking here](#).
- › The rate is good for the duration of the residency, from August 13-19.
- › The last day to book your reservation to receive the special group rate is July 13.

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## GRANTS/OPPORTUNITIES

### Opportunity available for students

University Student Research Challenge (USRC) – A Pilot Project  
National Aeronautics and Space Administration, NASA Headquarters



## WELCOME!

### Congratulations to our recently accepted 2017 Cohort:

- › Abraham Adole
- › Bradley Baugh
- › Woojin Choi
- › Stephanie Fussell
- › Christopher Groom
- › Samuel Harris
- › Brian Musselman
- › Mary O'Connor
- › Heather Owen-Perry
- › Tara Samuels
- › Mark Simpson
- › Sarah Talley
- › Kenneth Ward
- › Lucas Zarlengo



COLLEGE OF AVIATION  
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