

Spring 2008

Front Matter

Follow this and additional works at: <https://commons.erau.edu/jaaer>

Scholarly Commons Citation

(2008). Front Matter. *Journal of Aviation/Aerospace Education & Research*, 17(3). DOI: <https://doi.org/10.58940/2329-258X.1454>

This Front Matter/Back Matter is brought to you for free and open access by the Journals at Scholarly Commons. It has been accepted for inclusion in *Journal of Aviation/Aerospace Education & Research* by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.

JAAER

FORUM

The Editor's Forum 7

The Flight Crew and Automation 9

*Loss of Control on Landing: We
Need to Change our Mindset
A Service-Learning Project for
Flight Safety* 13

PAPERS

*Incorporating Cooperative Learning
Activities Into Traditional Aerospace
Curricula* 25

*Modeling the Balance between
Standardization and Innovation
In a Flight School* 39

*Hurricanes: A Primer for the
Aviation Professional* 55



**THE JOURNAL OF
AVIATION/AEROSPACE
EDUCATION & RESEARCH**

JOURNAL
OF
AVIATION/AEROSPACE
EDUCATION AND RESEARCH

The Journal of Aviation/Aerospace Education and Research (JAAER)
Spring 2008, Volume 17, Number 3
Copyright © 2008 Embry-Riddle Aeronautical University
1st Printing APRIL 2008

Indexed in:

Library of Congress, *ISSN 1065-1136*
Aviation Tradescan

All correspondence and inquiries should be directed to:

The Journal of Aviation/Aerospace Education and Research
Embry-Riddle Aeronautical University
Aviation Building, Room 113
600 S. Clyde Morris Blvd.
Daytona Beach, FL 32114-3900
USA
Telephone 386/226-6855
FAX 386/226-6274

**Editorial Staff of the
*Journal of Aviation/Aerospace Education and Research***

William A. Kohlruss, Editor

Tim Brady, Embry-Riddle Aeronautical University

James Schultz, Embry-Riddle Aeronautical University

Deborah L. Burke, Assistant Editor

Thomas Connolly, Embry-Riddle Aeronautical University

Editorial Board

Brent D. Bowen
Thomas Q. Carney
Gerald N. Cook
Gerald Fairbairn
Phillip S. Woodruff

University of Nebraska
Purdue University
Spirit Airlines
Daniel Webster College
Federal Aviation Administration
Headquarters

Chuck Moren
David A. NewMyer
Marvin Smith
Jackie Luedtke

Embry-Riddle Aeronautical University
Southern Illinois University
Embry-Riddle Aeronautical University
Embry-Riddle Aeronautical University

Additional Reviewers

Greg Aaron	United Parcel Service
R. Troy Allen	Indiana State University
Dee Andrews	Air Force Research Laboratory
Deak Arch	Ohio University
Shawn Arena	Embry-Riddle Aeronautical University
Alan Bender	Embry-Riddle Aeronautical University
Elizabeth Bjerke	University of North Dakota
Joe Clark	Embry-Riddle Aeronautical University
Jule Massie Clark	Middle Georgia College
Eddie L. Diehl	Embry-Riddle Aeronautical University
Wayne Dorman	Middle Tennessee State University
Adrian Doss	Belhaven College
Atef Ghobrial	Georgia State University
Thomas Hagovsky	Purdue University
Mark Hewitt	Embry-Riddle Aeronautical University
Philip Ikomi	Prairie View A & M University
Jeffrey A. Johnson	St. Cloud State University
Robert W. Kaps	Southern Illinois University
Stephen Kniffen	Embry-Riddle Aeronautical University
Kenneth J. Kovack	Embry-Riddle Aeronautical University/ University of Maryland
Roger D. Lee	Salt Lake City Community College
Nickolas Macchiarella	Embry-Riddle Aeronautical University
Gary Northam	Embry-Riddle Aeronautical University
Sherry Parshley	Embry-Riddle Aeronautical University
C. Daniel Prather	Middle Tennessee State University
William Rantz	Western Michigan University
Bruce A. Rothwell	Embry-Riddle Aeronautical University
José R. Ruiz	Southern Illinois University
Michaela Schaaf	University of Nebraska
Marian Schultz	University of West Florida
Mark Sherman	University of Dubuque
Guy M. Smith	Embry-Riddle Aeronautical University
Alan Stolzer	Parks College of Engineering & Aviation- St. Louis University
Michael E. Thorn	Globalink Consulting
Brison Torbert	Embry-Riddle Aeronautical University
Dale R. Wilson	Central Washington University

Graphics Design: Browning Press, DeBary, FL

Published three times annually (Fall, Winter, Spring) at Embry-Riddle Aeronautical University,
600 S. Clyde Morris Blvd., Daytona Beach, FL 32114-3900

**THE JOURNAL OF AVIATION/AEROSPACE
EDUCATION AND RESEARCH**

Spring 2008
Volume 17, Number 3

TABLE OF CONTENTS

The Editor's Forum
William A. Kohlruss 7

Forum:
The Flight Crew and Automation
Bernard Antonovich 9

Forum:
*Loss of Control on Landing: We Need
to Change our Mind Set*
A Service-Learning Project for Flight Safety
Ed Randel, Guillaume Le Couteux and Jitesh Bahl 13

*Incorporating Cooperative Learning Activities
into Traditional Aerospace Engineering Curricula*
Abraham Matthew and David B. Spencer 25

*Modeling the Balance between Standardization
and Innovation in a Flight School*
Michael Wetmore, Chien-tsung Lu and Philip Bos 39

*Hurricanes: A Primer for the Aviation
Professional*
Randell Barry 55

EDITORIAL FOCUS

The Journal of Aviation/Aerospace Education and Research (JAAER) is a scholarly publication for educators and researchers as well as for professionals in the aviation and aerospace industry. The focus is how the educational process is influenced by various segments of the aviation and aerospace community and how education affects the industry. Although the basic focus is toward colleges and universities, manuscripts concerning secondary and elementary education are encouraged.

The Journal is interested in a wide range of scholarly submissions concerning aviation/aerospace curriculum development and/or innovative methods of instruction (for any/all levels of education), significant research relating to aviation/aerospace education, to industry research, and to industry and education partnerships. The Journal welcomes submissions reflecting the latest industry and academic thought concerning current issues of interest to JAAER readers, and is interested in well-researched and documented stories concerning aviation history, both in the past and in the making.

A refereed publication, manuscripts are blind-reviewed by members of the editorial board as well as by a limited number of professionals in that field. From time to time a non-refereed article may be included in a Forum section.

AUTHOR'S GUIDELINES

Preparation of Manuscripts The most current edition of the *Publications Manual of the American Psychological Association* (APA) is used as the style guide for submissions. However, authors are instructed to include all tables in the body of the manuscript.

- JAAER does not accept multiple submissions.** (If pending acceptance elsewhere do not submit to us.)
- Submit five copies of the manuscript using standard, white, bond paper.**
- Double space the text. Use wide margins (1.5"-2") on both sides and top and bottom.**
- Do number the pages**

Title The title of the manuscript should be clearly indicative of its subject and of the author's intention, and should not be unnecessarily long or convoluted.

Documentation Manuscripts are to conform to APA reference documentation. *Text reference citations and reference list entries must be identical.*

Autobiography On a separate sheet of paper, include a brief autobiography stating your qualifications for writing this article. If multiple authors, give a brief autobiography for each author.

Publication Policy With your initial manuscript submission JAAER requires a full statement that this manuscript has not been previously published elsewhere, is not submitted and pending acceptance elsewhere, and will not be submitted for publication elsewhere in its present form.

If you have questions about submitting an article or subscribing to the Journal, please call (386) 226-6855 or visit our website at: http://www.erau.edu/research/jaaer/home_page.html