

Spring 2011

Front Matter

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

Scholarly Commons Citation

(2011). Front Matter. *Journal of Aviation/Aerospace Education & Research*, 20(3). Retrieved from <https://commons.erau.edu/jaaer/vol20/iss3/1>

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 Wright Patent Lawsuit:
Reflections on the Impact on
American Aviation*.....9

*Digital Training to Analog Flying: Assessing
the Risks of a Stark Transition*.....13

PAPERS

*System Safety Study:
Aviation Action Research*.....17

*Visual Information Management:
A New Skill for Online Course Development*29

*Heuristics to Improve Human Factors
Performance in Aviation*.....39



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

JOURNAL
OF
AVIATION/AEROSPACE
EDUCATION AND RESEARCH

The Journal of Aviation/Aerospace Education and Research (JAAER)
Spring 2011, Volume 20, Number 3
Copyright © 2011 Embry-Riddle Aeronautical University
1st Printing APRIL 2011

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 114
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 Purdue University
Thomas Q. Carney Purdue University
Gerald N. Cook Embry-Riddle Aeronautical University
Gerald Fairbairn Westminster College
Phillip S. Woodruff Federal Aviation Administration
 Headquarters

Chuck Moren Embry-Riddle Aeronautical University
David A. NewMyer Southern Illinois University
Marvin Smith Embry-Riddle Aeronautical University
Jackie Luedtke 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
Wendy Beckman	Middle Tennessee State University
Alan Bender	Embry-Riddle Aeronautical University
Elizabeth Bjerke	University of North Dakota
Bryan Branham	Ohio University
Joe Clark	Embry-Riddle Aeronautical University
Julie Massie Clark	Delta State University
Eddie L. Diehl	Embry-Riddle Aeronautical University
Wayne Dornan	Middle Tennessee State University
Adrian Doss	University of West Alabama
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
Juan Merkt	Jacksonville University
Gary Northam	Embry-Riddle Aeronautical University
Karl Pape	Consultant
Sherry Parshley	Embry-Riddle Aeronautical University
C. Daniel Prather	Middle Tennessee State University
William Rantz	Western Michigan University
José R. Ruiz	Southern Illinois University
Michaela Schaaf	University of Nebraska
Marian Schultz	University of West Florida
Susan Sharp	Embry-Riddle Aeronautical University
Mark Sherman	Farmingdale State College
Guy M. Smith	Embry-Riddle Aeronautical University
Alan Stolzer	Embry-Riddle Aeronautical University
Michael E. Thorn	Globalink Consulting
Brison Torbert	Embry-Riddle Aeronautical University
Dale R. Wilson	Central Washington University
David S. Worrells	Embry-Riddle Aeronautical 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 2011
Volume 20, Number 3

TABLE OF CONTENTS

<i>The Editor's Forum</i> William A. Kohlross	7
 Forum: <i>The Wright Patent Lawsuit: Reflections on the Impact on American Aviation</i> Benjamin J. Goodheart	9
 Forum: <i>Digital Training to Analog Flying: Assessing the Risks of a Stark Transition</i> Geoffrey Whitehurst and William Rantz	13
 <i>System Safety Study: Pedagogical Aviation Action Research</i> Chein-tsung Lu, Stewart Schreckengast, Timothy D. Ropp, and Brian Dillman.	17
 <i>Visual Information Management: A New Skill for Online Course Development</i> Michael E. Courbat and Deborah Lewis Fravel.	29
 <i>Heuristics to Improve Human Factors Performance in Aviation</i> William A. Tuccio.	39

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