Symposium: The Use of Qualitative Methods in Aviation Psychology

A Trend Analysis of Human Factors Issues in UK Military Aviation
Author: Sarah Weedon
Author: Victoria Cutler
Author: Saskia Revell

Exploring Facilitated Debriefing Techniques Using a Diary Study
Author: Shawn Pruchnicki
Author: Arjun H. Rao

Displays for the Aircrew

Is Rho the Key to Hazardous Weather Avoidance?
Author: William Knecht

Objective and Subjective Evaluation of a New LIDAR-Based Speed Prediction and Advisory Displays
Author: Jorg Onno Entzinger
Author: Tomoko Iijima
Author: Tsuneharu Uemura
Author: Jun Matsumoto
Author: Naoki Matayoshi
Author: Shinji Suzuki

Development of Increasingly Autonomous Traffic Display Manager Using Pilot Relevancy and Ranking Data
Author: Lisa R. Le Vie
Author: Vincent E. Houston

Simulation-Based Approaches to Pilot Training

Four-Year Follow-Up of Intensive, Simulator-Based Pilot Training
Author: Maxine Lubner
Author: Andrew R. Dattel
Author: Deb Henneberry
Author: Emerson Allen
Author: Sharon DeVivo

The Effect of Surprise on Pilot Upset Recovery Performance
Author: Annemarie Landman
Author: Eric L. Groen
Author: René van Paassen
Author: Adelbert W. Bronkhorst
Author: Max Mulder
Hi-Fidelity Mission Simulation and the State of the Art in Unmanned Training
Author: Matt J. Martin

Risk Analysis & Quality Assurance
Toward Identifying Risk in Human Performance of ATC Procedures
Author: Paul Krois
Author: Julia Pounds

Operationalizing the Definition of Risk as Variability
Author: Julia Pounds
Author: Paul Krois
Author: Barry C. Davis
Author: Melissa Wishy

Cognitive and Judgment Relevance to Autonomous and Remote Flight Testing
Author: Diogo Silva Castilho

Multi-Modal Display Technology
Evaluating Spatial-Auditory Symbology for Improved Performance in Low-Fidelity Spatial Audio Displays
Author: Griffin D. Romigh
Author: Jose Villa
Author: Jason Ayers

Virtual Reality and 2D Interfaces: A Comparison of Visual Search Task Performance
Author: Matthew Brown
Author: Kathleen Van Benthem
Author: James Howell
Author: Jonathan Poisson
Author: Scott Arbuthnot
Author: Chris M. Herdman

A Color-Code Design Tool
Author: David L. Post
Author: William E. Goode

Simulation for Test & Evaluation
Proposed Scenarios for the Standardization of the Evaluation of New ATC Technologies and Procedures
Author: Jerry M. Crutchfield
Author: Angel Millan

An Interdisciplinary Approach to Evaluating U.S. Army Aviation Training
Author: Martin S. Goodwin
Author: Lauren Reinerman-Jones
Author: Brian F. Goldiez
Author: Robert A. Crapanzano

Quantifying Pilot Contribution to Flight Safety during Unreliable Airspeed
Author: Timothy J. Etherington
Author: Lynda J. Kramer
Author: Randall E. Bailey
Author: Kellie Kennedy

Accident Analysis and Safety
Development of a Model of “See and Avoid” in Parachuting
Author: Victoria Cutler
Author: Saskia Revell
A Study of Accidents/Incidents of Landing on Wrong Runway/at Wrong Airport (1992-2012)
Author: Linfeng Jin
Author: Edmund Lo

A Case Study Using the Human Factors Analysis and Classification System Framework
Author: Flavio A.C Mendonca
Author: Chenyu Huang
Author: Richard Fanjoy
Author: Julius Keller

Symposium: Lessons Learned from a High-Fidelity Simulation of a Flight Dispatch Center
Improving Aviation Students' Teamwork, Problem Solving, Coordination, and Communications Skills During a High-Fidelity Simulation
Author: Evan Lester
Author: Andrea M. Georgiou
Author: Michael Hein
Author: Glenn E. Littlepage
Author: Richard Moffett
Author: Paul Craig

Teamwork and Emergent Cognitive States as Preictors of Routine and Adaptive Performance
Author: Glenn E. Littlepage
Author: Megan E. Wertheimer

Self-Leadership Strategies & Performance Perspectives Within Student Aviation Teams
Author: Christopher Ryan Bearden

Student Perceptions on the Usefulness of Simulation-Based Training
Author: Andrea M. Georgiou
Author: Megan E. Wertheimer
Author: Megan E. Snodgrass

Displays: Attitude & Energy Awareness
Design Considerations for Attitude State Awareness and Prevention of Entry to Unusual Attitudes
Author: Kyle K.E Ellis
Author: Lawrence J. Prinzel
Author: Jarvis J. Arthur
Author: Stephanie N. Nicholas
Author: Daniel Kiggins
Author: Harry Verstynen
Author: Clay Hubbs
Author: James Wilkerson

Synthetic Vision System Commercial Aircraft Flight Deck Display Technologies for Unusual Attitude Recovery
Author: Lawrence J. Prinzel
Author: Kyle K.E Ellis
Author: Jarvis J. Arthur
Author: Stephanie N. Nicholas
Author: Daniel Kiggins

Operator Fatigue
Fatiguing the Force: Using Operational Data to Improve Air Force's Mission Effectiveness Model
Author: Kelly M. Amaddio
Author: Jennifer P. Howland
Status of FAA Air Traffic Control Fatigue Interventions 2013-2016
Author: Darendia McCauley
Author: Thomas Nesthus

Safety Culture & Reporting
SMS Hazard Analysis at a University Flight School
Author: Wendy Beckman
Author: Don Crews

Longitudinal Safety Climate Analysis: Modeling for Enhanced Organizational Response
Author: Erin E. Bowen
Author: Brian J. Roggow

Tuesday Posters
Relational between Relational Energy, Emotional Labor and Cognitive Flexibility among Flight Attendants in India
Author: Rithi Baruah

Innovative Airport Visual Aids to Enhance Situational Awareness and Flight Training
Author: Wesley Major
Author: Sarah Hubbard

Simulation for UAV Flight
Author: William Weldon
Author: Brian Kozak

Crew State Monitoring and Line-Oriented Flight Training for Attention Management
Author: Chad Stephens
Author: Angela Harrivel
Author: Lawrence J. Prinzel
Author: Ray Comstock
Author: Nijo Abraham
Author: Alan Pope
Author: James Wilkerson
Author: Daniel Kiggins

Effects on Task Performance and Psychophysiological Measures of Performance during Normobaric Hypoxia Exposure
Author: Chad Stephens
Author: Kellie Kennedy
Author: Nicholas Napoli
Author: Matthew Demas
Author: Laura Barnes
Author: Brenda Crook
Author: Ralph Williams
Author: Mary Carolyn Last
Author: Paul Schutte

What Information About Consumers Predicts Their Trust in Autopilots
Author: Mattie Milner
Author: Stephen Rice
Author: Scott Winter
Author: Rian Mehta
Author: Matt Pierce

Potential Research on the Use of Big Data Paradigm for Pilot Environments
Author: Chang-Geun Oh
Final Results of Multimethodology Application at Civilian Air Navigation Complex Environment
Author: Lisia Maria Espinola da Silva Pacheco Cabral
Author: Marcos Pereira Estellita Lins

Intelligent Multi-UxV Planner with Adaptive Collaborative/Control Technologies
Author: Gloria Calhoun
Author: Mark Draper
Author: Michael Hansen
Author: Scott Douglass
Author: Sarah Spriggs
Author: Michael Patzek
Author: Allen Rowe
Author: Dakota Evans
Author: Heath Ruff
Author: Kyle Behymer
Author: Michael Howard
Author: George Bearden
Author: Elizabeth Frost

Innovative & Dynamic Interfaces
A Dynamic System Simulation Device to Define Human-system interface Requirements for the Dassault Rafale
Author: Daniel Hauret
Author: Julien Donnot

Avionics Touch Screen in Turbulence: Simulation for Design (Part Two)
Author: Sylvain Hourlier
Author: Xavier Servantie

Effects of an Ecological Interface on Flight Training Effectiveness
Author: Ronald Deerenberg
Author: René van Paassen
Author: Clark Borst
Author: Max Mulder

General Aviation Cognition
Interviews of General Aviation Pilots: an Insight to Airspace Infringements
Author: Elena Psylou
Author: Arnab Majumdar
Author: Washington Ochieng

Flight Experience and Mental Representations of Space
Author: Mikayla Keller
Author: Jennifer E. Sutton

Individual Pilot Factors Predict Diversion Management and Situation Awareness during Simulated Cross-Country VFR Flight
Author: Kathleen Van Benthem
Author: Chris M. Herdman

Language and Communications
Author: Clayton D. Rothwell
Author: Valerie L. Shalin

Facilitating Communication for Aviation Training and Maintenance
Author: Lorraine E. Holtaway
Author: Kyle Jackson
Author: Sarah Hubbard
Aviation English Intelligibility
Author: Julia Trippe
Author: Eric Pederson

What’s Next for NextGen?
Federal Aviation Administration Flight Deck Human Factors Research Program
Author: Sheryl L. Chappell
Author: Regina G. Bolinger
Author: Ashley C. Awwad

Alerts on the NextGen Flight Deck
Author: Angelina Sebok
Author: Christopher Wickens
Author: Brett Walters
Author: Karl Fennell

NextGen Human Factors Accomplishments and Challenges in the Future
Author: Edmundo A. Sierra

Unmanned Aircraft Operations
An Investigation of Minimum Display Requirements for a UAS Detect and Avoid System
Author: Kevin W. Williams

Increasing Acceptance of Haptic Feedback in UAV Teleoperations by Visualizing Force Fields
Author: Victor Ho
Author: Clark Borst
Author: René van Paassen
Author: Max Mulder

An Investigation of Interfaces for Remotely Piloted Aircraft Crew When Dealing with Cyber Threats
Author: Kristen K. Liggett
Author: Peter Venero
Author: Gina Thomas

Weather Technology in the Cockpit (A PEGASAS Project)
Author: Mel J. Futrell
Author: Ian Johnson
Author: Geoff Whitehurst
Author: Vladimir N. Risukhin
Author: Lori J. Brown
Author: William Rantz
Author: Thomas K. Ferris
Author: Trey Roady
Author: Carolina Rodriguez-Paras
Author: Kathryn Tippey

Wednesday Posters
Does the Projected-Hand-Illusion Help in Teleoperation?
Author: Lloyd Wajon
Author: René van Paassen
Author: David A. Abbink
Author: Erwin Boer
Author: Max Mulder
Investigating Pilot's Decision Making When Facing an Unstabilized Approach: An Eye-Tracking Study
Author: Maxine Reynal
Author: Frank Rister
Author: Sébastien Scannella
Author: Christopher Wickens
Author: Frédéric Dehais

Incomplete Knowledge of Results and the Manipulation Response Bias
Author: Matthew J. Davis

The In-flight Affective Brain: Decision Making under Uncertainty and Safety Implications in Aviation
Author: Mariateresa Sestito
Author: Francesca Benuzzi
Author: Pierre Wydoodt
Author: Emanuela Giombelli
Author: Umberto Scoditti
Author: Giacomo Pavesi
Author: Paolo Frigio Nichelli
Author: Jean-Claude Dreher
Author: Seongmin Park

Human Decision Making and Threat-awareness Response during Emergency Aircraft Evacuations
Author: Sarah Hubbard
Author: Tim Ropp

How Task Complexity and Time Pressure Affect Air Traffic Controllers' Performance and Workload
Author: Qianru Yang
Author: Andrew R. Dattell
Author: Dahai Liu

Using Pair-Wise Rankings in the Assessment of Adaptive Aiding
Author: Christina Gruenwald
Author: Matt Middendorf
Author: Chelsey Credlebaugh
Author: Jonathan Mead
Author: Scott Galster

An EEG Data Investigation Using Only Artifacts
Author: Chelsey Credlebaugh
Author: Paul Middendorf
Author: Matt Middendorf
Author: Scott Galster

Investigating Facial Electromyography as an Indicator of Cognitive Workload
Author: Jonathan Mead
Author: Matt Middendorf
Author: Christina Gruenwald
Author: Chelsey Credlebaugh
Author: Scott Galster

Empirically Evaluating Representational Aids for Target Tracking and Sensor Management
Author: Taleri Hammack
Author: Jared Neely
Author: Terry Stanard
Author: Jason Roll
Author: John Flach

Able Flight
Author: Wesley Major
Author: Raymart Tinio
Author: Sarah Hubbard
Advancement in Pedagogical Foundations: Developing Language Proficiency for Student Success
Author: Stacey L. McIntire
Author: Juan R. Merkt
Author: Jacqueline R. Luedtke
Author: Timothy B. Holt
Author: Brent D. Bowen

Cognitive Ergonomics and Knowledge Management: A new Model for Addressing Aviation Issues
Author: Ronald John Lofaro

Effects of Automation
How Automation May Transform the Ways in Which Crew Manage Peak Workload and Incapacitation
Author: Nick McDonald
Author: Rabea Morrison
Author: Alison Kay
Author: Margaret Ryan

Understanding Pilots’ Explanations of Automation Surprises
Author: Robert Mauro
Author: Loukia Loukopoulou
Author: Ljulia Trippe

Transparency and Conflict Resolution Automation Reliability in Air Traffic Control
Author: Fitri Trapsilawati
Author: Christopher Wickens
Author: Chun-Hsien Chen
Author: Xingda Qu

Mental Workload & Situation Awareness
Intelligent Systems Applied to Workload Monitoring and Task Allocation
Author: Scott Grigsby
Author: Jacob Crossman
Author: Rich Frederiksen
Author: Ben Purman
Author: Dylan Schmorrow

The Oculometer Training Tape Technique: The Revival
Author: Carolina Diaz-Piedra
Author: Andres Catena
Author: Luis J. Fuentes
Author: Leandro L. Di Stasi

Efficiency of a Situation Awareness Training Module in Initial Pilot Training
Author: David Gayraud
Author: Nadine Matton
Author: André Tricot

A Pedagogical Approach to Teach Aviation Students How to Conduct Situation Awareness Research
Author: Andrew R. Dattel
Author: Andrey Babin
Author: Tianhua Li
Author: Ziyi Dong
Author: Stephanie G. Fussell
Author: Qianru Yang

Individual & Cultural Factors
Effects of Coupling an Operational Philosophy and a Corporate Culture in a Sociotechnical System
Author: Oleksandr Petrenko
Author: Oleg Petrenko
Self-Deception and Impression Management in Commercial Pilots: An Underreported and Potential Confound in Aviation Research  
Author: Tabitha T. Black  
Author: Charalampos C. Cleanthous  
Author: Ryan Sain  
Author: Steven M. Vera

Implementing Automation  
Adaptive Automation Based on Air Traffic Controller’s Decision-Making  
Author: Martijn IJtsma  
Author: Clark Borst  
Author: G.A. Mercado-Velasco  
Author: René van Paasen  
Author: Max Mulder

Experimental Evaluation of a Scalable Autonomy Concept for Cognitive Agents aboard Reconnaissance UAVs  
Author: Georg Rudnick  
Author: Axel Schulte

Warhorse: A New Approach to Manned/Unmanned Teaming  
Author: Paul Schutte  
Author: Ralph Williams  
Author: Ronald Daiker

Effects of Radar Side Conflict Probe Functionality on ATC Conflict Detection Performance and Efficiency  
Author: Anthony J. Masalonis  
Author: Ben Willems  
Author: Thomas Fincannon

Spatial Orientation: What’s Up?  
A Comparison of Helmet-Mounted Display Symbologies During Live Flight Operational Tasks  
Author: Thomas Schnell  
Author: Christopher Reichlen  
Author: Christopher Reuter  
Author: Eric Geiselman  
Author: Jonathan Knox  
Author: Henry Williams  
Author: Bill Ercoline

USAF Spatial Disorientation Prevention: A Meta-Analytical Human Systems Integration Perspective  
Author: Patrick O’Neill  
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Author: Rana Ihara  
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Author: Yuko Aiba  
Author: Takenori Nomiyama  
Author: Asao Kobayashi

Human Performance Assessment: Evaluation and Experimental Use of Wearable Sensors for Brain Activity  
Author: Kurtulus Izzetoglu  
Author: Dale Richards  
Author: Lei Ding  
Author: Chen Ling  
Author: Ben Willems

Psychophysiological Methods
Interactive Team Cognition: Does Eye-gaze Behavior also Tell the Story?
Author: Dirk Schulze Kissing
Author: Carmen Bruder

Tracking Workload and Engagement in Air Traffic Control Students Using Electroencephalography Cognitive State Metrics
Author: Kyle A. Bernhardt
Author: Terra Jorgenson
Author: Craig Carlson
Author: Paul Drechsel
Author: Colt Iseminger
Author: Dmitri Poltavski
Author: Richard Ferraro
Author: Thomas Petros

Periodic Blink Measures Using Dynamic Windowing
Author: Matt Middendorf
Author: Jonathan Mead
Author: Christina Gruenwald
Author: Chelsey Credlebaugh
Author: Scott Galster

Selection of Air Traffic Controllers
Data-Driven Staffing Recommendations for Air Traffic Control Towers
Author: Linda G. Pierce
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Author: Susan Schultheis
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Author: Keith Baldwin

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Aviation Task/Work Analysis
Engineering for Humans: A New Extension to Systems Theoretic Process Analysis
Author: Megan France
Author: John Thomas

Objective Function Allocation Method for Human-Robotic Interaction using Work Models that Compute
Author: Martijn Utsma
Author: Amy R. Pritchett
Author: Karen M. Feigh
Author: Lanissie M. Ma

Taking a Closer Look at Flight Crew Handling of Complex Failures – Ten Case Studies
Author: J.P. Reitsma
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Author: Clark Borst
Author: René van Paassen

Task Analysis of Two Crew Operations in the Flight Deck in Part 121 Operations
Author: Paul Schutte