Special Issue

Human Performance and Aviation Safety: New Challenges for Neuroergonomics and Artificial Intelligence

Message from the Guest Editors

Dear Colleague, Despite the spectacular decline in accidents over the last 50 years, reaching maximum safety levels remains a major issue for air transport as people are less and less tolerant to fatal accidents. Promoting performance and limiting human errors remains at the heart of the continuous improvement of flight safety. Many techniques and concepts have emerged in recent years; this Special Issue will deal with novel theoretical and practical topics for improving aviation safety related to neuroergonomics, human factors, Artificial intelligence, and Human-Machine interaction. Topics of interest for publication include, but are not restricted to:

- Crew physical and mental monitoring (fNIRS, EEG, eye tracking…)
- Human cognitive performance and emotional aspects
- Human-Machine Interaction
- Single pilot operations
- Onboard assistants
- Selection and training
- AI-based cockpit
- New simulation and training means
- Virtual reality

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

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Author Benefits

High Visibility:
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CiteScore - Q2 (Safety Research)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 27.3 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2024).

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