

# Socio-Technical Decision Support in Air Navigation Systems: Emerging Research and Opportunities

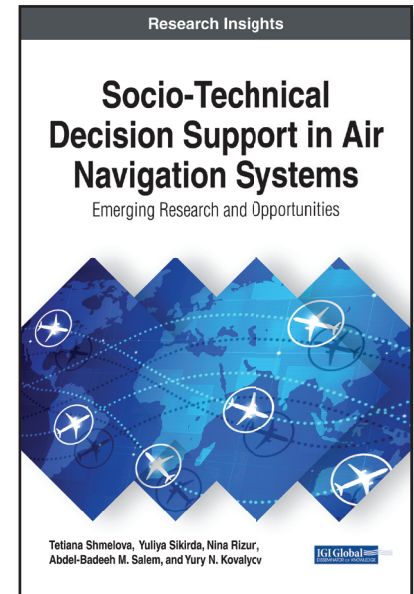
Part of the Advances in Mechatronics and Mechanical Engineering Book Series

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## Description:

The integration of technology into the aviation system planning has allowed for more stable, yet increasingly complex, models that enable better analysis techniques and new approaches to decision-making. These modern advances ensure higher productivity in addressing various planning problems.

**Socio-Technical Decision Support in Air Navigation Systems: Emerging Research and Opportunities** is a critical scholarly resource that contains a systematic analysis of formalized factors affecting socio-technical systems operators and how these factors influence decision-making process of professional and non-professional activities in air navigation systems. Featuring coverage on a broad range of topics, such as dimensional modeling, applications of decision support systems, and semantic analysis, this book is geared towards academicians, future pilots, aviation dispatchers, engineers, managers, and students.



**ISBN:** 9781522531081

**Release Date:** January, 2018

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**Pages:** 264

## Topics Covered:

- Analysis of Decision-Making
- Applications of Decision Support Systems
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- Semantic Analysis
- Socio-Psychological Factors
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