

Editorial

Whether in terms of flight movements, passenger movements or revenues, the increase in air traffic over the past few decades has been tremendous. This upward trend represents both an ever growing complexity in managing all types of aerospace operations and an increasing economic value for both suppliers and consumers of flights and, flight-related services and hardware. The development of new, innovative and improved methods to handle operations and the tweaking of current ones is therefore creating much value from the perspective of airlines, airports, Air Traffic Management and aircraft manufacturers, and also concerns customers and suppliers contributing to the air transportation value system as a whole.

Against this background the science and technology of Aerospace Operations has been developing and the time is now right for launching an international, peer reviewed, dedicated journal in the field. *The Journal of Aerospace Operations* (JAO) will publish articles that advance the field of aerospace operations and will focus on theoretical, empirical, and case based research.

The goal of JAO is to promote a more integrated methodological approach to Aerospace Operations research that advances the capability to improve, optimize and evolve more complete solutions. This is also explicitly coupled with the widely recognized performance challenge of meeting capacity, cost, safety and environmental (through noise and emissions) goals.

This first issue was specifically collated to highlight the relevant range of articles that illustrate the topics and scope to be covered in the journal. The editorial board of international experts invites you to submit your article from the broad base of aerospace operations expertise ranging from generic expertise and modeling techniques to case studies and practical validation, mathematical modeling and optimization, expert systems, agent based modeling, integration techniques, complex systems and complexity modeling, decision analysis, simulation, econometrics, stochastic modeling, queuing theory, knowledge engineering, gaming theory, graph theory, and computing and information technologies, etc.

We are confident that the journal will make an important contribution to the scientific and technological integrity of the field and will develop into the preferred platform for knowledge development, dissemination and the discussion of new results and best practices.

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