

Journal of Aerospace Operations



Special Issue on:

"Concurrent Engineering in Aviation"

Guest Editors:

Dr. Josip Stjepandic, PROSTEP AG, Germany

Prof. dr. Jiazhong Cha, Beijing Jiaotong University, China

Prof. Dr. Parisa Ghodous, Universite Claude Bernard, Lyon, France

Prof. Dr. Cees Bil, RMIT University, Melbourne, Australia

Concurrent Engineering (CE) has a long history, in terms of both theory development and application. CE is closely associated with the design phase of products, as it considers the parallel, concurrent, execution of product and process design activities by integrating multiple design disciplines and upstream and downstream functions involved in the lifecycle of a product. Over the years, CE has become associated with an increasing variety of research fields and domains.

With this special issue, we aim to collect and present recent research on CE in the context of the aviation domain. The special issue addresses various areas of concurrent engineering from several research perspectives: methods and extensions in CE theory, the development of integrated aviation systems, facilitating sustainability by assessing and/or extending the lifecycle of aircraft in exploitation, and the role of information technology in facilitating and improving aircraft design, production, operation and support processes.

The issue will feature revised and substantially extended versions of selected papers presented at the [22nd ISPE International Conference on Concurrent Engineering \(CE 2015\)](#), but we also strongly encourage researchers unable to participate in the conference to submit articles for this call.

For topics and detailed instructions, please refer to page 2 of this Call for Papers.

Important Dates

Full paper due: *31 January, 2015*

Notification of acceptance: *30 April, 2015*

Final version of the paper due: *30 June, 2015*

Subject Coverage

Suitable topics include, but are not limited to, the following:

- Engineering of complex in-service systems
- Product life cycle management
- Product design for X
- Risk and reliability assessment for aviation concepts
- Systems design, production, operation, maintenance and services
- End-of-life engineering solutions
- Supply chain integration
- Operations optimization
- Complexity and uncertainty management
- Knowledge management for aircraft lifecycle phases
- Performance-based contracting strategies

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. **Note:** Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper.

All papers are scientifically refereed through a peer review process.

All papers *must* be submitted online. For details on manuscript submission, please visit <http://www.iospress.nl/journal/journal-of-aerospace-operations/>. To submit a paper, please conform to the author instructions (as given under “Manuscript submission & Author instructions” on the journal website).

Important Dates

Full paper due: *31 January, 2015*

Notification of acceptance: *30 April, 2015*

Final version of the paper due: *30 June, 2015*