Dieter Scholz

Proposing a Classification for Aeronautics, Astronautics and Aerospace Sciences

Purpose – This poster presents an aerospace classification and explains its logic. The classification is checked and presented in various forms. Furthermore, HTML, PDF, and Excel versions have been made available online.

Methodology – A review of aerospace classifications was conducted. A classification authored originally for the "Aims & Scope" section of the journal Advances in Aerospace Science and Technology (AAST) was selected and applied to the requirements from DIN 32705.

Findings – The classification from AAST was found to be the most suitable classification in the field of aerospace (aeronautics, astronautics, and aerospace sciences) thus far. It largely corresponds to the standard in terms of content and structure. Some minor changes were introduced.

Practical implications – The new classification can be used in the publishing industry in libraries and archives. It can also be used in all situations in aerospace where a logical structure of the domain is required. It could be used, for example, to structure organizations or statistical investigations. Moreover, this work can be used as an example for establishing other classifications according to DIN 32705.

Originality – Thus far, a standard classification does not exist in the field of aerospace. This new classification, published for the first time, has the potential to fill this niche.

This leads to the aerospace classification as a HTML file:
https://purl.org/aero/classification/html

This PDF contains the hierarchical list and the register:
https://purl.org/aero/classification/pdf

This Excel spreadsheet contains the aerospace classification and the register:
https://purl.org/aero/classification/excel

This is an abstract answering the Call for Papers of the German Aerospace Conference 2023 for an informative poster at the conference.

Prof. Dr.-Ing. Dieter Scholz, MSME
Hamburg University of Applied Sciences
Department of Automotive and Aeronautical Engineering
Aircraft Design and Systems Group (AERO)
http://www.ProfScholz.de
info@ProfScholz.de