Special Issue

Fuzzy Multi-Criteria Decision Making Methods for Aerospace Science and Technology

Message from the Guest Editors

In aerospace engineering, decision makers frequently encounter problems that involve selecting an optimal alternative from multiple options, constrained by several criteria. Multi-criteria decision making (MCDM) methods offer powerful tools to address these challenges, especially when conflicting criteria must be balanced. In many cases, precise numerical values for each criterion are not available, leading to the use of fuzzy logic to model uncertainty through fuzzy numbers or linguistic labels. This approach enables comprehensive evaluations in critical aerospace domains, including propulsion system selection, resource optimization, satellite design, or risk assessment for both human and robotic spaceflight. This Special Issue of *Aerospace* focuses on advancing fuzzy multi-criteria decision making methods and demonstrating their applicability to current challenges in aerospace science and technology.

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