Special Issue

Advanced Control Techniques for Spacecraft

Message from the Guest Editors

The field of spacecraft engineering is currently undergoing rapid advancements, presenting numerous significant engineering challenges that require thorough investigation and resolution. Notable areas of focus include nonlinear dynamics modeling for spacecrafts, the integrated control of attitude and orbit, the fusion of multi-source information in space, and the scheduling and planning of complex space missions. Additionally, artificial intelligence technology is providing innovative solutions to these engineering challenges, and exploring advanced algorithms for control, optimization, and decision-making is crucial for the advancement of aerospace technology. This Special Issue invites researchers from diverse disciplines to submit original research articles, comprehensive reviews, and practical case studies that demonstrate the application of their work in spacecraft. Both theoretical contributions and practical implementations are encouraged, with the aim of highlighting the latest advancements in the field and providing valuable insights for practitioners engaged in advanced aerospace technology.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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