Special Issue

Convex Optimization for Aerospace Guidance and Control Applications

Message from the Guest Editor

This Special Issue intends to bring recognition to significant trends and novel applications of convex optimization in the field of the guidance and control of aerospace systems. Despite all these advances, several topics remain under investigation. A first area of interest concerns the development of novel lossless or successive convexification techniques to enable and expand the classes of problems that can be solved by convex optimization. A second area of interest concerns the investigation of modern and efficient discretization strategies that allow for accounting for bang–off–bang control structures. Third, reports and analyses of hardware-in-the-loop and in-flight tests that confirm the validity of embedded convex solutions for computational guidance would greatly increase the attention of private companies toward this topic.

Guest Editor

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