Special Issue

Aerodynamic Shape Optimization

Message from the Guest Editor

It is with great pleasure that we invite contributions for a Special Issue on aerodynamic shape optimization. Aerodynamic shape optimization has made great strides over the last two decades, with sophisticated tools widely available to engineers across the world. Nevertheless, the relentless demands for more efficient designs require the community to develop new and ingenious ways to overcome present challenges, such as wider, more complex design spaces, shorter design cycles, integration with other disciplines, or robust optimums. As such, this Special Edition aims to report recent advances that facilitate the adoption and/or improve the efficiency of aerodynamic shape optimization, including:

- Gradient methods;
- Non-gradient methods;
- Efficient parameterization strategies;
- Multi-fidelity;
- Multi-disciplinary;
- Multi-objective methods;
- Robust optimization algorithms.

The above list above is not exhaustive, and any new methodologies that enhance the process of aerodynamic shape optimization will be equally considered.

Guest Editor

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Deadline for manuscript submissions

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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