

Advances in Uncertainty Quantification and Optimization Under Uncertainty with Aerospace Applications

Proceedings of the 2020 UQOP International Conference

The 2020 International Conference on Uncertainty Quantification & Optimization gathered together internationally renowned researchers in the fields of optimization and uncertainty quantification. The resulting proceedings cover all related aspects of computational uncertainty management and optimization, with particular emphasis on aerospace engineering problems.

The book contributions are organized under four major themes:

- Applications of Uncertainty in Aerospace & Engineering
- Imprecise Probability, Theory and Applications
- Robust and Reliability-Based Design Optimisation in Aerospace Engineering
- Uncertainty Quantification, Identification and Calibration in Aerospace Models

This proceedings volume is useful across disciplines, as it brings the expertise of theoretical and application researchers together in a unified framework.

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