



Modeling and Simulation in Aerospace Composites

Guest Editors:

Dr. Luigi Di Palma

Dr. Marika Belardo

Dr. Alessandro De Luca

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Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to contribute to this Special Issue your original and beyond state-of-the-art studies, methods, techniques, results and V&V experiences in aeronautical and space composite to improve the M&S methods for theoretical, numerical and practical point of views, with the aim of supporting the worldwide aerospace communities in making the whole development pathway of composite aircraft and spacecraft more reliable and affordable. Research areas may include (but are not limited to) the following:

1. Structures strength and buckling;
2. Aeronautical virtual certification;
3. Credibility assurance framework;
4. Aeroelasticity and dynamics;
5. Crashworthiness;
6. Numerical formulations;
7. Noise detection and reduction;
8. Impact loads (e.g., bird strike and space debris);
9. Hot structures and protection systems for re-entry spacecraft;
10. Multi-disciplinary optimization;
11. Electromagnetic compatibility;
12. Lighting protection;
13. Stealth capabilities;
14. Low-weight structures.

We look forward to receiving your contributions.

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Special Issue



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