



Progress in Jet Engine Technology

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 September 2019)

Message from the Guest Editor

In the past decade, the need for more efficient, low-noise, and environmentally friendly propulsors has brought innovative engine concepts and configurations to the attention of researchers. Noticeable examples include ultra-high by-pass ratio turbofans in podded configurations, distributed propulsion, boundary layer ingestion engines, and hybrid turbo/electric engines. Although such configurations are characterized by non-negligible technology readiness levels, they still require huge research efforts to be validated.

This Special Issue aims to provide an overview of recent advances in jet engine technology for the civil sector, with special emphasis on new design configurations and performance assessment. Authors are invited to submit full research articles and review manuscripts addressing (but not limited to) the following topics:

- Concurrent design methodologies for high-efficiency, low-noise jet engines;
- Numerical/experimental analyses of jet engines at system and component levels;
- Integrated propulsor/airframe configurations;
- Very large/ultra-high by-pass ratio engines;
- Turbo/electric engines;
- Jet engines under boundary layer ingestion;
- Open rotors.





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Message from the Editor-in-Chief

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