

A symposium on
**Additive Manufactured Materials:
Production, Experiments and Applications**

Organised by

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Under the auspices of

**7th International Conference on
INTEGRITY - RELIABILITY - FAILURE**

**Funchal/Madeira, Portugal
14-18 June, 2020**

(<https://paginas.fe.up.pt/~irf/IRF2020/index.htm>)

This Symposium can be regarded as an opportunity for researchers to share their latest achievements in the field of Additive Manufacturing (AM), involving metallic and polymeric materials. Both experimental and theoretical or numerical studies will be welcome. This Symposium aims at highlighting the potentials of AM with regard to the rapid fabrication of complexly shaped parts, thus reducing the time to market, considering carefully the achievable mechanical properties. Abstracts are solicited from the community in the following and related areas:

- Design and Development of additive manufactured materials
- Production systems for metallic materials
- Production systems for polymeric materials
- Experimental characterization of AM components
- Mechanics of materials of AM components.
- Static and/or fatigue testing
- Tribological properties and surface finishing
- Microstructure, internal and external defects
- Heat, mechanical, chemical and surface treatments
- Residual stresses: detection and assessment
- Case Studies and Case Histories

Abstracts of two full pages should be written in the following format (the template is available in the web site specific section).

Paper Size:

A4, single column

Margins:

Top page 3,0 cm; Bottom 2,5 cm, Left & Right 2,5 cm

Font and line spacing:

Times New Roman; single space

First 3 lines:

Should be left blank, size 10, reserved for the editors

Title:

Begins at the 4th line, capital letters, size 14, bold, left alignment

Authors Names:

Size 10, left alignment, two lines interval from title above

Authors affiliation:

Size 10, left alignment, two lines interval from text below

Main Text:

Size 12, full justification, 6 pt space after paragraph, no indentation

Headings:

Capital letters, size 12, bold, one line interval from text above

Legends (Figs & Tables):

Size 10, one line interval from text above and below

References:

References to cited literature should be identified in the text with author(s) name(s) and year of publication (ex: Mascarenhas, 1997). Full citations should be grouped at the end of the paper and in alphabetical order of first author's name. Always give inclusive page numbers for references to journal articles and a page range for books. Each reference must be cited in the text.

A sample abstract is available for download at:

https://paginas.fe.up.pt/~irf/IRF2020/irf2020abstract_sample.docx

which can also be used as template.

Deadline for Extended Abstracts: 15 December, 2019

Accepted contributions will appear in a book and USB-card, which will be made available to the delegates at the event.

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