

A symposium on
Cardiovascular Engineering and Bone Mechanics

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>)

Papers may cover a wide range of topics in biomechanics and biomedical engineering namely computer-based methodologies/simulations and experimental/clinical data acquisition.

The main topic solicited from the community are as follows:

- Biomechanics and cardiovascular tissues
- Rheological property of blood: modeling and experiments
- Atherosclerotic plaque: mechanism and modeling
- Biomechanics of soft tissue by MRI, CT, US
- Technology innovation in medical devices
- Stenting within the Cardiovascular System
- Multiscale modeling of the Cardiovascular System: Disease development, progression and clinical intervention
- In vivo bone remodeling mechanics
- Multiscale biomechanics of bone fractures
- Biomimetic implants for articular cartilage repair/regeneration
- Computational methodologies in diagnosis and surgery planning

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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