

A Symposium on
ADVANCED BIOMATERIALS AND DEVICES
IN MEDICINE

Promoted by

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In Conjunction with

IRF2016
5TH INTERNATIONAL CONFERENCE
INTEGRITY - RELIABILITY - FAILURE
Porto, Portugal
July 24-28, 2016

(<http://paginas.fe.up.pt/clme/IRF2016/>)

This Symposium will present some new opportunities for scientists, engineers and clinicians from academia and industry to share their scientific findings and novel technologies in biomaterials and medical devices for tissue repair, replacement and regeneration as well as for diagnostic and interventional procedures. This multidisciplinary session will cover many aspects of materials science in medicine and will provide rapid high-quality reports for communications with scientists in different areas.

The main topics for this session are as follows:

1. Science and technology of metallic, polymer, ceramic and composite biomaterials
2. Biomaterial synthesis and characterization
3. Shape memory and superelastic biomaterials
4. Nanostructured biomaterials and surfaces for medical applications
5. Failure of bio-materials and implants
6. Computational modeling of biomaterials behavior and biological responses
7. Response of cells and tissues to implantable materials and devices with respect to mechanical properties
8. Medical device design and development.

Extended abstracts of **two full pages** should be written in the same format as the full papers for the CD-ROM (no limitation in length for these):

<i>Paper Size:</i>	A4, single column
<i>Margins:</i>	Top page 3,0 cm; Bottom 2,5 cm, Left & Right 2,5 cm
<i>Font and line spacing:</i>	Times New Roman; single space
<i>First 3 lines:</i>	Should be left blank, size 10, reserved for the editors
<i>Title:</i>	Begins at the 4 th line, capital letters, size 14, bold, left alignment
<i>Authors Names:</i>	Size 10, left alignment, two lines interval from title above
<i>Authors affiliation:</i>	Size 10, left alignment, two lines interval from text below
<i>Main Text:</i>	Size 12, full justification, 6 pt space after paragraph, no indentation
<i>Headings:</i>	Capital letters, size 12, bold, one line interval from text above
<i>Legends (Figs & Tables):</i>	Size 10, one line interval from text above and below
<i>References:</i>	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:

http://paginas.fe.up.pt/clme/IRF2016/abstract_sample.doc

which can also be used as template.

The ***Extended Abstracts*** are due by **11 JANUARY 2016**, and those accepted will appear in a book which will be made available to delegates of IRF 2016 during the event. Full papers will also be compiled in a CD-ROM, and improved versions of selected papers will be considered for publication in indexed International Journals on the conference main topics.

For additional information, please contact either of the following:

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