

**A Symposium on
Residual Stresses**

Promoted by

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In Conjunction with

IRF2016

5th International Conference

INTEGRITY - RELIABILITY – FAILURE

Faculty of Engineering / U. Porto, 24-28 July 2016

It is a special gathering of scientists and students interested by Residual Stresses which is a complex phenomenon that influences most of the physical and mechanical properties of materials and surfaces. Knowledge of consequences and the control of residual stresses lead to enhanced properties of materials and structures as, for instance fatigue life or geometrical stability (distortions).

The main objective of this Special Session is to gather contributions concerning residual stresses and/or internal stresses, that influence most of the properties of materials and surfaces.

Papers are solicited in the following and related areas:

- Residual stresses in manufacturing processes;
- Material processing and residual stresses;
- Influence of residual stresses on mechanical properties of materials and components;
- Residual stresses in thin films;
- Residual stresses, internal stresses and microstructure;
- Consequences of residual stresses;
- Measurement methods and techniques for residual stress.

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):

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:

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

which can also be used as template.

Extended Abstract must be submitted before the deadline of 11 January, 2016.

Facilities for online submission of Abstracts in MS-WORD files are available from:

<http://conference.mercatura.pt/IRF2016/login.php>

All submissions will be peer-reviewed based on originality, technical quality and presentation, and those accepted will appear in a book which will be made available to delegates of IRF2016 during the event.

For additional information, please contact:

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