A Symposium on

Reliability and Failure in Textiles

Promoted by

Maria José Abreu[1] and André Catarino[2]

Department of Textile Engineering
School of Engineering – University of Minho
Azurém, 4800-058 Guimarães, Portugal
Tel: 351-253 510280; Fax: 351-253 510293
E-mail: josi@det.uminho.pt[1];whiteman@det.uminho.pt[2]

In Conjunction with

IRF2016
5TH INTERNATIONAL CONFERENCE
INTEGRITY - RELIABILITY - FAILURE
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Textiles are used in almost everything: From industry to human applications. These textile applications depend greatly upon the mechanical behaviour of the textile fabric, which can be a composition of several materials using different technologies, and one must assure that the textile material is able to maintain its performance for a specific lifetime. For example, compression stockings need to be replaced periodically due to the material fatigue, in order to guarantee the proper compressive effect. Another example is the textile based sensor. The mechanical behaviour of the textile structure can greatly influence the electrical behaviour, and the fatigue material assumes a paramount importance for the reliability of the textile sensor. Temperature and other properties also influence the performance of textiles and thus their characterization need to be performed.

This symposium intends to address the influence of material fatigue and inherently the reliability of a textile in specific applications, namely (but not only) on health, sports, e-textiles, among others. The authors are thus invited to submit their contribution involving this particular issue.

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, *c*apital 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.

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:

Professor Maria José A. M. Abreu
Department of Textile Engineering, University of Minho
Azurém, Guimarães, Portugal
Tel: 351-253 510280; Fax: 351-253 510293
E-mail: josi@det.uminho.pt

Professor André P. W. Catarino
Department of Textile Engineering, University of Minho
Azurém, Guimarães, Portugal
Tel: 351-253 510280; Fax: 351-253 510293
E-mail: whiteman@det.uminho.pt