A Symposium on

MODELING OF FRACTURE AND FRAGMENTATION OF SOLIDS UNDER STATIC AND DYNAMIC LOADING: DETERMINISTIC AND PROBABILISTIC APPROACHES

Promoted by
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In Conjunction with

IRF2018
6TH INTERNATIONAL CONFERENCE
INTEGRITY - RELIABILITY - FAILURE
Lisbon, Portugal
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(http://paginas.fe.up.pt/~irl/IRF2018/)

This Symposium will present some new opportunities for scientists, engineers from academia and industry to share their scientific findings and novel technologies in mechanics of fracture under static and dynamic loading. This multidisciplinary session will cover many aspects of mechanics of fracture and will provide rapid high-quality reports for communications with scientists in different areas.

The main topics for this session are as follows:
1. Natural Heterogeneity of Real Materials Structure
2. Distribution of Material Physicomechanical Characteristics
3. Fragmentation
4. Explosive Destruction of the Open and Closed Shells
5. Crushing of Metal Rings
6. High-Speed Impact of the Laminated - Spaced Barrier
8. Numerical Simulation of Shock and Explosive Fracture
10. Protection of Space Vehicles from High-Velocity Debris
11. Protection from High-Velocity Projectiles
12. Protection of Elements against Explosive and Impact Loading

Extended abstracts of two full pages should be written in the same format as the full papers for the USB-card (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:


which can also be used as template.

The Extended Abstracts are due by 15 JANUARY 2018, and those accepted will appear in a book which will be made available to delegates of IRF2018 during the event. Full papers will also be compiled in a USB-card and improved versions of selected papers will be considered for publication in indexed International Journals on the conference main topics.

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