EXTended abstract TITLE

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ABSTRACT

This guide has been prepared for authors of extended abstract (2 pages) to be presented at Proceedings of The Third Symposium on Structural Health Monitoring and Non Destructive Testing to be held in Quebec City, Canada, May 14-15 2020. Authors are requested to follow these guidelines to achieve uniformity in the presentation of the proceedings. The extended abstract should be uploaded accordingly on to Easychair with Online Submission ([see SHM-NDT 2020 website for more information](http://shm-ndt2020.fsg.ulaval.ca)), before the deadline. Each accepted extended abstract must have at least one paid regular or student registration before April 15th, 2020 to ensure that their presentation is included in the Conference Program. The abstract summarizes key findings in your study and should be a paragraph no more than 250 words. It should give an account of the most relevant contributions of the paper. It is also important to indicate briefly the goal, the methods, the results, and conclusions. Avoid abbreviations, diagrams, and references. It must be complete and understandable without reference to the text.

**KEYWORDS:** Times New Roman, 10pt, Sensors, NDT Methods, Signal Reconstruction, Composite Material, Defects

1. INTRODUCTION

The main format of the extended abstract is as follows: Text: Times New Roman (or equivalent), 10 pt type size, left and right justified. Headings: Times New Roman, all caps, 11 pt. type size, centered. Page size A4 (210 × 297 mm); 25.4 mm borders all round [1].

2. FORMAT AND LAYOUT

Extended abstract submitted using A4 size (210 by 297 mm) pages should be max. 2 pages (including tables, figures and references. Extended abstracts may include color figures. The layout of the extended abstract should follow the style of this document, starting with a title, name(s) of author(s) and affiliation(s).

2.1 Second-level headings

Second level headings should be in 11 pt bold, all caps, left aligned.

Third-level headings. Third-level headings should be placed at the beginning of a paragraph. Capitalize only first letter of the whole subhead and underline it (if possible, make the subhead italic); follow it by a period and two letter spaces; then begin typing the text on the same line and continue the text without indenting again. Leave one line space above [2].

Table captions should appear below the respective table. Each table should have at least a one-line space both above the table and between the table and the start of the following text. Tables are in Times New Roman, 10 pt. size type, of 1 line heading, centered, if 2 line heading flush left. Type size of the body of the table depends on the size of the table, adjust type size accordingly [3].

|  |  |
| --- | --- |
| Template Style | Description |
| ACTS body text | Times New Roman, 10 Pt, Justified |
| Example | Example |

**Table 1** Table captions go under the table.

**Fig. 1** Figure captions go under the figure.

Color and black/white photographs are allowed in digital format with sufficient resolution to permit high-quality reproduction, and imported into the manuscript. Figures are centered with a line space above and below the figure. Use or insert .jpg, .tiff, .gif, or similar program files for illustrations.

Figures should be numbered consecutively, e.g., Fig. 1 with a single letter space between the word “Fig.” and the Arabic numeral. Place figures centered on the width of the text page and either at the top or bottom of the page as close as possible to their first mentioned in the text.

Equations should be typed in position with appropriate space above and below to distinguish them from the text. Use common fonts like Times New Roman in your math equations. Do not insert equations in a non-editable picture format. All equations should be numbered as shown below, equation numbers should be flush right with a line space above and below the equation.

 $\left(x+a\right)^{n}=\sum\_{k=0}^{n}\left(\genfrac{}{}{0pt}{}{n}{k}\right)x^{k}a^{n-k}$ (1)

3. CONCLUSION

Extended astract size and length: A4 (210x297 mm) and max 2 pages.

Full paper size and length: A4 (210 × 297 mm) and 6-10 pages.

Margins: 25.4 mm (1 inch) margins all round as in the abstract Template.

Line spacing: Single-spaced with one blank line between paragraphs. No paragraph indentation.

Justification: Full justification.

Graphs etc.: Graphs, tables and photographs are to be included at the top or bottom of the page on which they are first mentioned if possible, on the next page if not, and not gathered together at the end of the extended abstract.

PDF transformation: submissions should be transformed to PDF file and should be sent to the Online Submission System.

Extend abstract submission deadline: Extended abstracts in PDF format for review should be submitted before January 31, 2020.

Final paper submission deadline: for the full papers of accepted abstract the same template can be used. The full papers should have a length of 6 – 10 pages and should be submitted in PDF & Word formats before April 15th, 2020.

Registration: Each accepted extended abstract must have at least one paid regular or student registration before April 15th, 2020 to ensure that their presentation is included in the Conference Program.

ACKNOWLEDGMENT

Acknowledgement should be placed immediately following CONCLUSION.

References

 [1] Hai Zhang, Stefano Sfarra, Ahmad Osman et al. Eddy Current Pulsed Thermography for Basalt-Carbon Hybrid Composites Subjected to Ballistic Impacts: A Numerical and Experimental Study. In Proceedings of the14th International Workshop on Advanced Infrared Technology and Applications, AITA 2017, 27-29 September 2017, Quebec, Canada.processing. NDT & E Int. 2015;73:28–52.

[2] Maldague X. Nondestructive evaluation of materials by infrared thermography. London: Springer; 1993.

[3] Jan Kirchhof, Fabian Krieg, Florian Römer et al. Sparse Signal Recovery for Ultrasonic Detection and Reconstruction of Shadowed Flaws. In Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2017), New Orleans, USA.