Title of extended abstract, capitalize first letter, maximum two lines

First Authora, Second Authorb, Third Authorc

*a, c Affiliation, City, Country*

*b Affiliation, City, Country*

ABSTRACT

The Extended Abstract should contain a short abstract followed by sections presenting the key results of the study. The abstract should be up to 250 words. It must clearly describe the most important contributions of the work.

KEYWORDS

Provide up to four keywords, separated by semicolons. Capitalize first letter of each word.

# introduction

Please use this MS Word template for preparing your extended abstract for CouFrac 2024. This will ensure a uniform format in the publication. The publisher will reproduce the papers directly from your file. Papers must be submitted using this MS Word file format and then convert in pdf format.

The number of pages of the extended abstract shall be between 2 and 10. Paper size is A4. Top, bottom, left and right margins are 25 mm. Header and footer are 15 mm from edge.

Papers shall be written in English. Authors who are not native English speakers may need to take particular care to ensure that their manuscripts are clear and grammatically correct.

The title of the paper shall clearly identify its contents and cannot exceed two lines, using font Times New Roman, size 14 and single spacing. Capitalize the first letter of the title.

Include the first name, middle initial (if applicable) and surname of all the authors, separated by commas. Capitalize only the first letter of each proper name. Include their affiliations, city and country, written in italics.

# paper layout

## Text styles

Use font Times New Roman throughout the paper. Never use bold or underline text. Use italics for foreign words. Never use more than one space after each other. Do not hyphenate words. Do not use footnotes.

First order headings shall use the style “Heading 1”, leaving two empty lines before, and one after it. Capitalize the whole heading. Second order headings shall use the style “Heading 2”, leaving one empty line before, and one after it. Capitalize the first letter. Do not use third order headings.

For the heading of the acknowledgements and of the references at the end of the paper, after the conclusions, use the style “Heading 1”, but remove the numbering.

The normal text shall use the style “Normal”, with font Times New Roman, size 11 and single spacing, and justified on both sides. Leave one empty line between paragraphs and between paragraphs and figures, tables or equations.

## Tables and figures

Locate tables as close as possible after the first reference to them in the text and number them in sequence, starting from 1. Write the caption above the table, without any empty line. Centre the table caption and the table. Centre the text or numbers in the cells horizontally and vertically. Use the style “Tables” with font Times New Roman, size 10 and single spacing. Use only horizontal borders of table cells. See Table 1 below.

Table 1. ISRM membership 2018.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Members | Africa | Asia | Australasia | Europe | Latin America | North America |
| Ordinary | 450 | 2979 | 512 | 3240 | 553 | 482 |
| Corporate | 1 | 67 | 4 | 76 | 4 | 3 |

Locate figures as close as possible after the first reference to them in the text and number them in sequence, starting from 1. Write the caption underneath the figure, without any empty line. Centre the figure and the figure caption. Use the style “Figures” with Times New Roman, size 10 and single spacing. See Figure 1 below.

Figure 1. The ISRM logo.

All text and lines in figures should be of sufficient size to be readable. Minimum size of lettering should be 6 and minimum thickness of lines should be 0.2 mm. Figures can be in colour and should be of good quality. Photographs are treated and numbered as figures.

## Equations

Use the equation editor of MS-Word. Indent equations 15 mm from the left margin. Number equations in sequence, starting from 1, and place the number at the end of the line, between parentheses. Refer to equations by these numbers. See Equation (1) below.

 (1)

where *A* is a constant, *ct*, *μ* and α are experimentally obtained parameters.

Always use SI units and notations.

# citation and references

In the text, cite references in the author-year format, e.g. (Author, 1986) or (Author 1 and Author 2, 1997) or (Author 1 et al., 2003) or (Author 1, 2006; Author 2, 2010) or (Author, 2003a; 2003b; 2010).

Place the list of cited references at the end of the paper in the alphabetical order. Use style “Normal”, hanging 5 mm. Use italics for the title of the book, journal or proceedings. Examples of references are given in the corresponding section.

# IMPORtant dates

Extended Abstracts should be submitted in .pdf format following this template by July 10, 2024. Notifications will be sent to the authors by August 31, 2024; at that point, Extended Abstracts can be (a) accepted, (b) accepted with revisions, or (c) rejected. Extended Abstracts accepted with revisions will be due on September 15, 2024. Final decisions will be communicated to the authors by September 23, 2024. Full delegate registration by at least one of the authors must be received by Sept 16, 2024– Extended Abstracts for which no delegate payment has been received will not be included in the conference program.

# conclusions

The paper shall finish with conclusions or concluding remarks from the work presented and, if applicable, their implications and future work to be developed.

# Acknowledgements

Acknowledgements can be added after the conclusions and before the references.

# References

Hoek, E. and Brown, E.T., 1980. *Underground excavations in rock*. The Institution of Mining and Metallurgy, London.

Jacobsson, L. and Lindqvist, J.E., 2018. Laboratory investigation of crack initiation on hourglass-shaped granite specimens. In Litvinenko (ed.), *Geomechanics and geodynamics of rock masses; Prof. 2018 European Rock Mechanics Symposium – EUROCK2018, Saint Petersburg, Russia, 22-26 May 2018*. Taylor & Francis, London.

Kodama, J., Miyamoto, T., Kawasaki, S., Fujii, Y., Kaneko, K. and Hagan, P., 2013, Estimation of regional stress state and Young’s modulus by back analysis of mining-induced deformation. *Int. J. Rock Mech. Min. Sci.*, 63, 1-11.