

(Title) Template for Extended Abstracts for the International Conference on Mechanics, Materials and Mechatronics 2026

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ABSTRACT

This document presents the instructions required to prepare the extended abstract to be submitted to the ICM³-2026. **The abstract should only be written in English language, 12 point Times New Roman, A4 paper size, 1" each side page layout margin and submitted in PDF only.**

The maximum page limit for the extended abstract is **2 pages**; including references. It should start with the paper's title, author(s) name (s), authors' affiliation, address and e-mail, followed by the Abstract's text (Maximum **250 words**) and the keywords (up to five words in alphabetical order). Please, indicate the author making the presentation with an asterisk (*). Please, briefly explain the background, your materials and methods, results and discussion, and the main conclusions of the study. Maximum of 1 figure and 1 table can be included in the extended abstract. The scientific committee will decide the contributions for oral and poster presentations. After acceptance of abstract, author should submit the full-length paper. For citation, you write [1], [2].

Keywords: AUV, Image Processing, Object Detection, Quantum Computing (up to 5 words arranged in alphabetical order)

Introduction: Provide background information, state the study's objective, and briefly explain its relevance and how it differs from previous work.

Materials and Methods: Describe the equipment, materials, and procedures used in sufficient detail.

Results and Discussion: Present the main findings, which can be combined.

Conclusion: Summarize the research's discoveries and implications, and mention limitations or future research directions.

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References:

1. Warriar, S. R., Reddy, D. S. H., Bada, S., Achampeta, R., Uppapalli, S., & Dontabhaktuni, J. (2024). On-board classification of underwater images using hybrid classical-quantum CNN-based method. *Quantum Machine Intelligence*, 6(2), 70.