ERMR 2027 Extended Abstract Template (Maximum Two Pages)

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Short abstract: Provide a concise, self-contained summary of the work in one paragraph. State the purpose, approach, principal results, and main conclusion, as appropriate. The short abstract must not exceed 100 words.
Keywords: electrorheological fluids, magnetorheological suspensions, rheology, smart materials, modelling

1.INTRODUCTION

This document illustrates the preparation of an extended abstract with the ERMR 2027 LaTeX class. Replace the sample content with your own work. The complete submission, including the title block, text, figures, tables, acknowledgments, and references, must be written in English and must not exceed two pages.

Use the standard sectioning commands, such as `\section{...}` and `\subsection{...}`. Select headings appropriate to the work; a typical structure includes an introduction, objectives, materials and methodology, results and discussion, conclusions, acknowledgements, and references.

Use the usual `\cite{key}` command for citations, for example [1, 2]. In the default mode, compile with `pdfLaTeX`, `BibTeX`, and `pdfLaTeX` twice. References are formatted in Vancouver style and numbered in order of first citation.

2.OBJECTIVES

State the aim or aims of the work clearly. Identify the scientific or technological question addressed and the intended contribution.

3.MATERIALS AND METHODOLOGY

Describe the materials, experimental setup, methods, models, and analytical procedures with sufficient detail to support the reported results.

3.1.SUBSECTION EXAMPLE

Use subsections only where they improve the organization of the extended abstract.

4.RESULTS AND DISCUSSION

Present the main results concisely and discuss their relevance. Include only the figures, tables, equations, and images needed to support the argument.

Table 1: Example table.

Column heading	Column heading	Column heading
Row 1a	Row 1b	Row 1c
Row 2a	Row 2b	Row 2c
Row 3a	Row 3b	Row 3c

An equation may be set, for instance, with the standard `equation` environment:

$$\zeta(4) = \frac{1}{6}\int_0^\infty \frac{x^3}{\mathrm{e}^x - 1}\,\mathrm{d}x = \sum_{n=1}^{\infty}\frac{1}{n^4} = \frac{\pi^4}{90}. \tag{1}$$

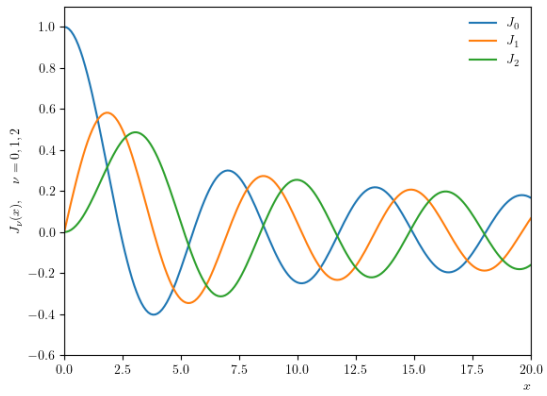

Figure 1: Example figure. Replace `placeholder.png` with your own image file.

5.CONCLUSIONS

Summarize the principal findings and, where appropriate, their implications or next steps in a few concise sentences.

ACKNOWLEDGMENTS

Acknowledge funding agencies, institutional support, scholarships, and other relevant contributions, where applicable.

REFERENCES

[1] Winslow WM. Induced Fibration of Suspensions. Journal of Applied Physics. 1949 Dec;20(12):1137-40.

[2] Rabinow J. The Magnetic Fluid Clutch. Transactions of the American Institute of Electrical Engineers. 1948 Jan;67(2):1308-15.