

Insert Your Extended Abstract Title Here

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Abstract

Detailed instructions for typing your article are given in the following. **The final appearance of your Extended Abstract should be similar to the present template. This is what will appear in the final conference proceedings.** Thank you for your patience and cooperation. Write your abstract here in 11 pt. font with a maximum of 200 words.

Keywords: Micro Flow, Microcirculation, Boiling, Pumps

1 Introduction

This is the template for the Extended Abstract for MNF2025, University of Edinburgh, UK. Please follow the guidelines given below when you prepare your extended abstract.

1. **The maximum length for an Extended Abstract is 2 pages.**
2. Use an A4 size format (297 mm x 210 mm in height and width).
3. The margins are Top: 25 mm, Bottom: 25 mm, Left: 20 mm, and Right: 20 mm.
4. In the Header, type: *9th Micro and Nano Flows Conference, University of Edinburgh, UK, 3–5 September 2025* with 9 pt Times New Roman font.
5. Use 14 pt. Bold Times New Roman for the title.
6. The title should be flush-centered.
7. Put one single-line space (11 pt.) between the title and the names of authors.
8. The names should be written with 11 pt. Times New Roman font.
9. Do not abbreviate the first and last names. Only the middle names can be written with initials. Surnames should be given in upper case letters.
10. Attach a superscript natural number (1, 2, 3, ...) at the end of each author's name to identify the affiliation.
11. Use 11 pt. Times New Roman font for the affiliations.
12. The affiliations should be flush-centered.
13. Write a natural number and colon (e.g., 1:) before each affiliation.
14. The affiliation should contain (i) the name of the university, company, organization, or institute; (ii) city and country; and (iii) e-mail address of the corresponding author.
15. Put one single-line space between the affiliation and the abstract.

16. Put two single-line spaces between the abstract and the keywords.
17. Put two single-line spaces between the keywords and the main body.
18. Write the section header with 14 pt. Bold Times New Roman font.
19. The body should be written with 12 pt. Times New Roman font with single line space in a two-column format. Greek symbols are also acceptable to denote several quantities. The gap between the two columns should be 10 mm.
20. In Equations, use 12 pt. Times New Roman and Symbol fonts. Use 7 pt. fonts for subscripts and superscripts as follows:

$$\rho \left(\frac{\partial \mathbf{u}}{\partial t} + \mathbf{u} \cdot \nabla \mathbf{u} \right) = -\nabla p + \mu \nabla^2 \mathbf{u} + \mathbf{f} \quad (1)$$

21. Be sure not to use two-byte fonts that are typical to Chinese, Japanese and Korean language kits. Two-byte fonts are often unintentionally typed in spaces between words, figures, tables, and symbols.
22. References are to be numbered sequentially in order of appearance and shown in the text and reference section in brackets (e.g., [1], [2], [5–7]).
23. Figure captions, further reference formatting, and other details should follow the style of the *International Journal of Multiphase Flow*.
24. If there is a Nomenclature section, it should be a separate one included before References. They should be arranged alphabetically, first Latin letters followed (separately) by Greek symbols. Be sure SI units

are included for dimensional quantities and “dimensionless” for nondimensional quantities.

2 Submission of Extended Abstract

2.1 Preparation of a PDF file

When the Extended Abstract is ready, make a pdf file with 600 dpi resolution. Then be sure to verify that you can correctly view your pdf file with an English version of the pdf viewer. **The size of the pdf file should be less than 2 MB.**

2.2 Submission

After finishing the check, the Extended Abstract can be submitted via the provided conference submission platform.

The deadline for the Extended Abstract submission is May 30, 2025. Abstracts will be reviewed upon receipt, and results will be announced by June 30. The Extended Abstract is the final document required for the conference.

3 Enquiries

If you have any questions about the Extended Abstract preparation and submission, send an email to the following address: mnf2025@ed.ac.uk.

We, the organizers of the MNF2025, are looking forward to receiving your contributions. Any questions about the Conference, please contact the Secretary to the Local Organising Committee: mnf2025@ed.ac.uk
Tassos G. Karayiannis – Conference Chair
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