**Emerging Frontiers in Computational Fluid Dynamics: Advanced Applications and Innovations**

周逸儒

國立臺灣大學應用力學研究所

[yjchou@iam.ntu.edu.tw](mailto:yjchou@iam.ntu.edu.tw)

This mini symposium aims to bring together researchers and practitioners to showcase and discuss recent advances in the application of Computational Fluid Dynamics (CFD) across a broad range of disciplines. As CFD continues to evolve with high-fidelity modeling, data-driven techniques, and high-performance computing, its impact extends beyond traditional domains to cutting-edge areas such as biomedical engineering, renewable energy, aerospace, environmental science, and multiphysics systems. The session welcomes contributions that demonstrate novel methodologies, interdisciplinary applications, or significant improvements in predictive capability, efficiency, or physical insight. By fostering dialogue among diverse CFD practitioners, this symposium seeks to highlight the expanding role of CFD in addressing complex, real-world challenges.

**English Title(14點)**

**Author Name 1, Author Name 2, (Times New Roman 12, normal, centered, underline presenting author)**

1 Service Unit (Times New Roman 11, centered)

2 Service Unit (Times New Roman 11, centered)

e-mail: corresponding\_author@email.com (Times New Roman 11, normal, centered)

**Abstract (14 points)**

The total length, including figures and all references, is limited to **one page**. It is recommended to submit abstracts to **email: acmt2025@caece.net.** The submitted abstract should be either a Microsoft Office Word file (.doc, .docx) or a .pdf file.

**Deadline for abstract submission is Friday, August 22, 2025.**

**General recommendations for the format of the abstract**

The abstract should be maximum one page for all poster contributions.

* *Margins:* Top and Bottom: 2.5 cm; Left and Right: 1.5 cm. Gutter: 1 cm.
* *Paragraphs:* Single line spacing. A single left empty between two consecutive paragraphs.
* *Font*: Times New Roman. Title: 16 pt, Bold, centered. Authors names: 12 pt, Normal, centered. Affiliations: 11pt, centered. E-mail: 11 pt, Normal, centered. Main text: 12 pt, justified left and right.
* *Figures and Photos:* Abstract may include figures and photographs. A caption should be attached to each figure. Caption style: Fig. 1. Your text.
* *Acknowledgement:* Times New Roman, 12 pt, Italic. After the main text and before the references (separated by empty lines).
* *Citations:* Times New Roman, 12 pt. Cite references using square brackets [1-4]. Examples of the format to be used are given below.

*This work was supported by National Grant no. ….*

**References**

[1] A. Author, B. Author, and C. Author*, Journal*, **Volume**, Page (Year).

[2] A. Author, *Title of Book*, Publisher, City (Year).

[3] A. Author and B. Author, *Conference,* Dates, City, Country, Page (Year).

**"This abstract is scheduled to be submitted to the mini forum MS number".**

**Illustrate: The theme of the mini-symposium is shown in the "Submission Area". Please select the symposium number you are applying for. For example, if the theme is related to "1. BEM/Meshless method and scientific computation workshop", please enter "1".**