

### Guidelines for abstract submission

- The conference language is **English**. All abstracts must be submitted in English.
- Abstracts must be submitted online exclusively.
- In order to give a presentation at the conference, please submit an abstract by filling out the abstract submission form.
- Please note that accepted abstracts can only be programmed for a poster or an oral presentation if at least one author has registered for participation at the conference and has paid the registration fees.
- The registered author can submit as presenter up to **two (2) abstracts**.

### Before starting your online submission

- Prepare personal data (title, authors' details, ...) that are to be included in the form. Please note that the information used and published in the scientific program and book of abstracts are taken from this form.
- The submitter will be considered as presenting author and will receive all future correspondence from WTC 2022 organization.
- Co-authors: Enter the details of the other co-authors in the order you want them to appear.
- Prepare your PDF file according to the indications provided hereafter. You have to fill-in the template proposed as a Word file and convert it as a PDF file before uploading. The website accepts only PDF files.

### Details for the preparation of the abstract for WTC 2022

#### 1. Overview

The abstract should be written in **English** including figures, tables and references. The manuscripts should be **1 (one) page** in length and the PDF file should not exceed 2 Mo (megabytes).

#### 2. Format for the template

Text should be produced following the instructions below.

##### 2.1. Page, font

The margin at left and right is 2.0 cm, upper margin is 2.2 cm and lower one is 1.7 cm. For the bottom part, each column 8.0 cm width with 1.0 cm middle margin, total width of 17 cm. The font used is Times New Roman with 1.0 line spacing. Font size 10 points for the body text.

##### 2.2. Paper title and list of authors

Title should be centered on full width of the page with spacing; one extra line from page top to title and one extra line from title to author(s). The font used for title is 14 points Times New Roman (or equivalent typeface).

Author name(s) and affiliation(s) are also centered on full width of page by formatted One extra line should be inserted from author name(s) and affiliation(s). The font used for title is 10 points Times New Roman (or equivalent typeface).

### 2.3. Summary and Keywords

Summary of no more than 100 words should open the text. It should not refer to tables, figures and references that appear in the body of manuscript.

List three (3) to five (5) keywords, with lower case initials except for proper nouns, on a separate line below abstract.

### 2.4. Headings

First level is set to 10 points boldface Times New Roman, and 2nd level 10 points normal-face.

## 3. Use of SI units

All abstracts must use SI units in text, figures, or tables.

## 4. Mathematical

All mathematical expressions should be included in the manuscript. Care should be taken to distinguish between capital and lowercase letters, between zero (0) and the letter (O), between the numerical (1) and the letter (l), etc. Mathematical expressions should fit into a single column. Equations that might extend beyond the width of one column (fractions that should not be broken or long expressions enclosed in parentheses) should be rephrased to go on two or more lines within column width.

Fractional powers are preferred to root signs. The solidus ( / ) should be used instead of the horizontal line for fractions whenever possible. Consecutive numbers to identify mathematical expressions should be enclosed in parentheses. Refer to equations in the text as "Eq.(1),"etc., or "Equation(1)," etc., at the beginning of a sentence. All symbols should be in italic letters.

$$\frac{\partial}{\partial x} \left( \frac{\rho h^3}{\eta} \frac{\partial p}{\partial x} \right) + \frac{\partial}{\partial y} \left( \frac{\rho h^3}{\eta} \frac{\partial p}{\partial y} \right) = 6u \frac{\partial}{\partial x} (\rho h) \quad (1)$$

## 5. Graphics

All graphics must be embedded in the manuscript. Please use high-resolution images.

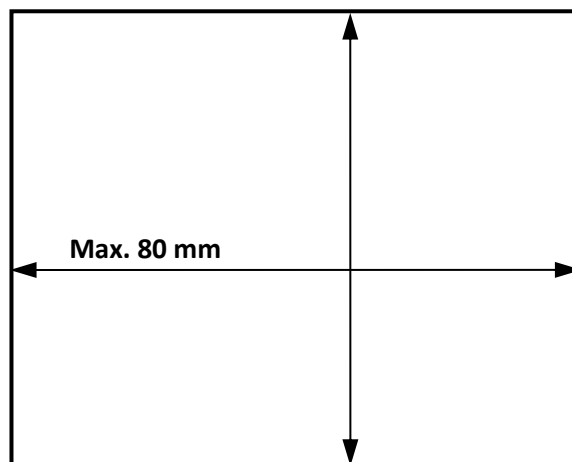


Fig.1 One-column illustration

## 6. Tables

All tables should be numbered consecutively and have a caption consisting of the table number and a brief title. This number should be used when referring to the table in text. Tables must be inserted as part of the text, as close as possible to its first reference.

## 7. References

All bibliographical references should be numbered and listed at the end of the manuscript in a section called "References." References should be referenced in the text by numbers between square brackets [1]. If you refer to journal articles and papers in serial publications, reference list should include: author(s) (mention only the first author followed by et al. if several authors), full title of the cited article in quotes (title capitalization), full name of the publication in which it appears, volume number (if any), issue number (if any), year of publication and inclusive page numbers of the cited article.

If you refer to textbooks or monographs, reference list should include: author(s), full title of the publication, publisher, year of publication and inclusive page numbers of the work being cited.

- [1] Collin, A. B. et al., "In Situ Studies of Wear Process," ASME J. Tribology, 120, 3, 1995, 513-519.
- [2] Akita, M., et al., "Investigation of the Degradation of Solid Lubricants Exposed to Atomic Oxygen," Proc. Int. Tribol. Conf., Yokohama 1995, 1, 1996, 235-241.
- [3] Tabor, D., et al., Friction as a Dissipative Process, Fundamentals of Friction: Macroscopic and Microscopic Processes, Academic Publishers, 1992, 3.
- [4] Smith, A. C., et al., Lubrication Mechanism, U.S. Patent 9876543, 1990.