

# 9999 | Paper title paper title paper title paper title: Use sentence case

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## ABSTRACT

This ISTVS conference welcomes original and previously unpublished research and review papers describing results of research that are relevant to the conference topics and to terrain-vehicle systems.

Please follow these guidelines carefully and note that this document follows these instructions as an example. Since MS Word documents can show variations in layout when opening on different machines, a PDF version of the document with its layout fixed is also made available on the conference website and should be consulted in the event of any confusion in local appearance.

The text limit for abstract length is 1,800 characters. Together your abstract and keyword list together shall not extend beyond the bottom of this column.

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### Keywords

Tire parameterization  
Tire models  
Static test  
Dynamic test  
Agricultural tire

## 1. Introduction

Begin your paper with an introduction section.

## 2. Preparation of the paper

Manuscripts shall be typed with single spacing in two columns throughout the text. Body text font is Cambria, size 9 pt., justified; use style *Normal*. Authors shall use the paragraph styles specified by ISTVS available in Microsoft Word's Styles pane. Use *Normal* for body text, *Heading 1*, *2*, *3*, for first-, second-, and third-level headings. Some names begin with *ISTVS* as detailed below, e.g., *ISTVS Figure Title*, *ISTVS Equation*. We recommend opening the Styles panel for viewing the required styles since the Styles pane in the ribbon won't show them reliably.

### 2.1 Language and style

The language of the conference is English. American or British usage is accepted, but not a mixture of these. The paper should be written in the third person in an objective, formal, and impersonal style. SI units should be used wherever possible, as recommended in ISO 1000.

The body of the paper should be organized into logical sections, sequentially numbered, and with no more than two grades of subheadings.

### 2.2 Length of the paper

The paper should not exceed 5,000 words and ten illustrations. The paper should reach a length of at least four full pages.

### 2.3 Equations

Submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. Equations that cannot be so treated shall set into a standalone paragraph and be numbered consecutively throughout the text with the numbering in parentheses to the right of the equation, set a tab and the style *ISTVS Equation*. For example, an equation should look like this:

$$F_x = m \frac{dv}{dt} \quad (1)$$

In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Symbols for physical quantities shall be in *italic type*. Mathematical operators, constants, and symbols for units shall be in roman type. Vectors shall be in **bold italic type** and matrices in **bold upright type**. Subscripts shall be in roman type. The word *Equation* shall be shortened by *Eq.* when used in the text, except at the beginning of a sentence, e.g., *Equation 1 shows the second principle of dynamics, whereas Eq. 2 defines the circle area.*

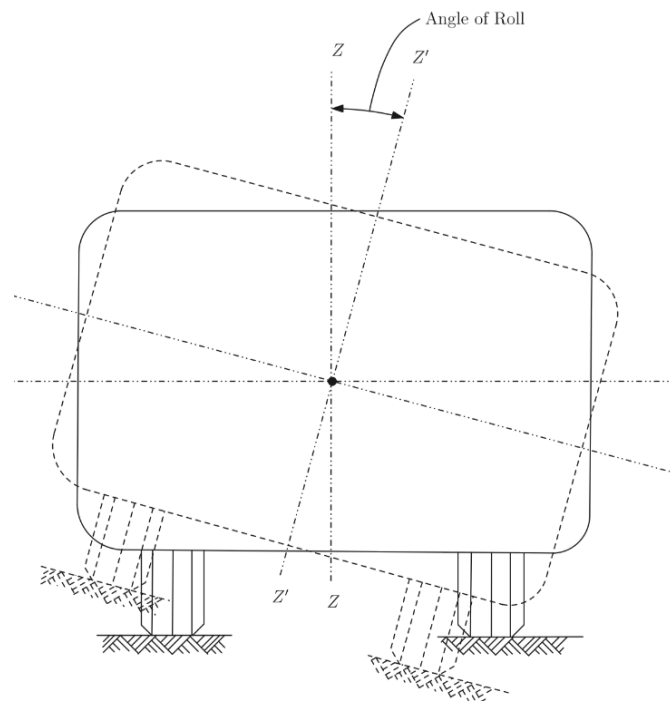
### 2.4 Figures

Figures shall be numbered consecutively throughout the text. All figures shall be referred to in the running text.

The word *Figure* shall be shortened by *Fig.* when used in the text, except at the beginning of a sentence, e.g., *As shown in Fig. 3, ... but Figure 4 illustrates ...*

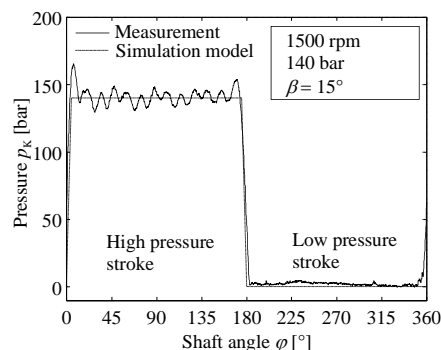
Illustrations are placed in standalone paragraphs and use the style *ISTVS Figure*. Figure titles follow the figure and use the style

**ISTVS Figure Title.** In no case should you use tables, floating text boxes, or Word's *Insert Caption* command to place illustrations.



**Fig. 1.** Example figure title

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**Fig. 2.** Example graph and axes nomenclature

## 2.5 Tables

Table titles shall be numbered consecutively and left aligned using style *ISTVS Table Title*. All tables shall be called out in the text; the full word *Table* shall be used, e.g., *As illustrated in Table 1 and Table 2 shows...*

The first table column head shall be left aligned using style *ISTVS First Column Head*. Further column heads shall be centered using style *ISTVS Column Heads*. Table text shall use style *ISTVS Table Text*. The first column of table data shall be left aligned; further data columns are generally centered under their column

head. For tabular data, use the decimal tab as in the example here and center the data visually.

**Table 1**  
Terrain characteristics

Type	Height [mm]	Width [mm]
Terrain 1	297.9	210.3
Terrain 2	420.8	297.7
Terrain 3	594.5	420.9

## 2.6 Reference citations in the text

References in the text shall be arranged according to the requirements of the *Journal of Terramechanics* (see here).

*Single author:* the author's name without initials unless there is ambiguity and the year of publication. Following are common examples for your convenience.

*Two authors:* both authors' names and the year of publication.

*Three or more authors:* first author's name followed by *et al.* and the year of publication.

Examples of citations:

*As demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999), ...*

*Kramer et al. (2010) have recently shown ...*

See 9. References in this template for treatment of references in the reference list.

## 3. Formatting the paper

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### 3.1 Proofreading

Before submitting your paper, please make sure you proofread carefully to locate and correct errors. Ensure that: (a) all technical content is accurate, e.g., formulae, data in tables; (b) all elements are properly formatted, e.g., all charts are readable; (c) the paper is written in good English, both spelling and grammar.

## 4. Additional guidelines

### 4.1 Abbreviations and acronyms

Define abbreviations and acronyms the first time they are used in the text, even if they have been defined in the abstract. Obvious abbreviations such as SI and DC do not have to be defined. Do not use abbreviations in the title or headings unless unavoidable.

### 4.2 Units

You are encouraged to use SI (MKS) as primary units. Imperial units can be used as secondary units in parentheses. As an exception, imperial units can be used as primary units when they are the *de facto* standard to define object sizing in a specific application, e.g., *a 14-inch tire*. Avoid combining SI and CGS or other practical units. If you must use mixed units, clearly state the units for each quantity that you use in an equation. Do not mix

complete spellings and abbreviations of units:  $m/s^2$  or *meters per second squared*, not  $meters/s^2$ . Spell out units when they appear in text: *a few Newtons*, not *a few N*.

#### 4.3 Numbers

The dot character shall be used as the decimal separator in numbers: 3.14, not 3,14. The zero digit shall not be omitted before a decimal point: 0.25, not .25.

#### 4.4 Date and time

The ISO date format shall be used for dates written in all digits, e.g., 2022-09-26. The 24-hour system shall be used to define time, e.g., 16:30.

### 5. Conclusions and future work

Place the conclusions of your paper in a standalone section. Address future work plans optionally.

### 6. Nomenclature

If needed, place a nomenclature section here. Nomenclature shall be provided as a set of three left-aligned columns, with no visible table borders. Symbols shall be grouped by alphabet, e.g., roman symbols followed by Greek symbols. Within each group, symbols shall be listed in alphabetical order. Follow this example:

$A$	Contact area	$[m^2]$
$A_t$	Tire contact area	$[m^2]$
$d_n$	Nominal diameter	$[m]$
$E$	Energy	$[kJ]$
$m$	Mass	$[kg]$
$v_n$	Nominal velocity	$[m/s]$
$\varphi$	Internal friction angle	$[rad]$
$\omega$	Angular velocity	$[rad/s]$

### 7. Acknowledgements

List here funding sources and individuals who provided help during the research such as providing language help, writing assistance, or proofreading.

### 8. Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

### 9. References

References shall be arranged first alphabetically. In case of more than one reference from the same author(s) in the same year, they shall be identified by the letters a, b, c, etc., placed after the year of publication. Following are three selected examples; for further examples to follow, refer to *Journal of Terramechanics Guide for Authors: References*, available at this link:

<https://www.elsevier.com/journals/journal-of-terramechanics/0022-4898/guide-for-authors#txt68000>

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#### 9.1 Reference to a journal publication

Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59.

#### 9.2 Reference to a book

Strunk Jr, W., White, E.B., 2000. *The Elements of Style*, fourth ed., Longman, New York.

#### 9.3 Reference to a chapter in an edited book

Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age. E-Publishing, Inc.*, New York, pp. 281–304.

### Appendix

If needed, an appendix can be used to provide additional insight on a specific item mentioned in the paper, e.g., to show how a complex formula was derived.

If there is more than one appendix, they shall be identified as A, B, C, and so on. Formulae and equations in appendices shall be given separate numbering: Eq. (A.1), Eq. (A.2), and so on; in a subsequent appendix, Eq. (B.1) etc. Similarly, for tables and figures: Table A.1, Figure A.1.

*Template style reference and corresponding style name*

*We offer this succinct summary of the most common styles.*

## 10. Heading 1

Normal text.

## 10.1 Heading 2

Normal text.

### 10.1.1 Heading 3

Normal text.

- List Bullet
- List Bullet
- List Bullet

1. List
2. List
3. List

ISTVS Reference.

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- ☐ Any comments have been resolved
- ☐ References are plain text and do not use any add-in, e.g., Endnote, Mendeley
- ☐ All cross-references have been converted to plain text, e.g., figure and table cross references
- ☐ References have *ISTVS Reference* style applied
- ☐ Figures have *ISTVS Figure* and *ISTVS Figure Title* styles applied
- ☐ Figures only full-width when necessary; use *Continuous section breaks* to shift to one column temporarily
- ☐ All figures follow their in-text reference
- ☐ All figures are tightly cropped
- ☐ All figures are inline and not in text boxes
- ☐ No figures are laid out inside of tables instead of as inline
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