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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This ISTVS conference welcomes original and previously unpublished research and review papers describing results of research that are relevant to the conference topics and to terrain-vehicle systems. Abstracts are requested to be under 500 words and must emphasize the objectives and results.

Please follow these guidelines carefully and note that this document follows the instructions given below, as an example.

**Keywords:** Terrain Mobility, Tracked Vehicle, Inverse Approach.

## 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 plain Times New Roman, size 10 pt., justified.

Authors shall use the paragraph styles provided by ISTVS available in the Microsoft Word Styles panel. Their names begin with ISTVS (e.g., *ISTVS Heading 1*). Normal paragraphs such as this one use the built-in MS Word style *Normal*.

### 2.1 Language and style

The language of the conference is English. Please write your text in good English. British or American usage is accepted, but not a mixture of these. Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the an English-language editing service such as [Elsevier's Author Services](#).

Preferred spellings are those of the [Oxford English Dictionary](#) for British usage. For American usage, rely on [Merriam-Webster Unabridged](#) or [Merriam-Webster's Collegiate Dictionary](#).

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 with no more than two grades of subheadings (*ISTVS Heading 1*, *ISTVS Heading 2*, and *ISTVS Heading 3*).

### 2.2 Length of the Paper

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

### 2.3 Equations

Symbols for physical quantities shall be in italic type. Mathematical operators, constants and symbols for units should be in roman (upright) type. Vectors should be in bold italic type and matrices in bold roman type. Subscripts should be in roman (upright) type.

Equations shall be numbered consecutively throughout the text with the numbering in parentheses to the right of the equation. 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 second principle of dynamics, whereas Eq. 2 defines the circle area*).

For example, an equation should look like this:

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

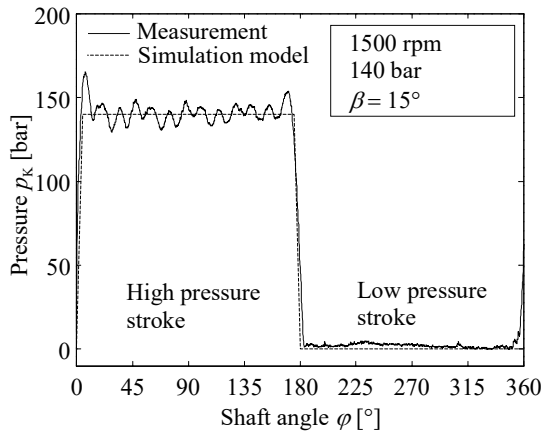
## 2.4 Figures

Illustration captions shall be left aligned, in italic type (style: *ISTVS Figure Title*) and shall be numbered consecutively throughout the text. The word *Figure* is shortened by *Fig.*, except at the beginning of a sentence (e.g., *As shown in Fig. 3, ... and Figure 4 illustrates...*).



*Figure 1. Example figure*

To ensure good quality of the published paper, doublecheck the quality of all graphics. Do not use very thin lines or very small fonts in figures. Make sure that the axis nomenclature in figures is homogeneous and readable (see Fig. 2).



*Fig. 2. Example for axis nomenclature*

## 2.5 Tables

Table text shall be in upright type (style: *ISTVS Table Text*). Table titles shall be left aligned (style: *ISTVS Table Title*), in upright type (size 10 pt.) and shall be numbered consecutively throughout the text. The full word *Table* shall always be used (e.g., *As illustrated in Table 1...* and *Table 2 shows...*).

*Table 1. Terrain characteristics*

Type	Height [mm]	Width [mm]
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Terrain 1	297	210
Terrain 2	420	297
Terrain 3	594	420

## 2.6 References

References in the text shall be arranged according to the general requirements of the *Journal of Terramechanics* ([see link](#)). Here are the requirements for your convenience. All citations in the text should refer to:

Single author: the author's name (without initials, unless there is ambiguity) and the year of publication.

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 [...]

## 3. Formatting the Paper

The paper shall be formatted according to this template. All margins, column widths, line spaces, text fonts, etc. are prescribed and you shall not alter them.

Uniformity in style is necessary to successfully include all the papers in the conference proceedings.

Papers not compliant with this template shall be reformatted by the author(s) or be rejected.

### 3.1 Proofreading

Before submitting your paper, please make sure you proofread it to locate and correct any errors, to ensure that: (a) the technical content (e.g., formulae, data in tables) is accurate; (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 after 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 they are 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/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<sup>2</sup>* or *meters per second squared*, not *meters/s<sup>2</sup>*. 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

Place the conclusions of your paper here.

## 6. Nomenclature

Include a nomenclature section if needed 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) and, within each group, symbols shall be listed in alphabetical order.

Here is an example:

<i>A</i>	<i>Contact area</i>	<i>[m<sup>2</sup>]</i>
<i>A<sub>t</sub></i>	<i>Tire contact area</i>	<i>[m<sup>2</sup>]</i>
<i>d<sub>n</sub></i>	<i>Nominal diameter</i>	<i>[m]</i>
<i>E</i>	<i>Energy</i>	<i>[kJ]</i>
<i>m</i>	<i>Mass</i>	<i>[kg]</i>
<i>v<sub>n</sub></i>	<i>Nominal velocity</i>	<i>[m/s]</i>
<i>φ</i>	<i>Internal friction angle</i>	<i>[rad]</i>
<i>ω</i>	<i>Angular velocity</i>	<i>[rad/s]</i>

## 7. Acknowledgements

List here funding sources and those individuals who provided help during the research (e.g., language help, writing assistance, or proofreading the article).

## 8. 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 some examples.

*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.

*Reference to a book:*

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

*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., show how a complex formula was derived).

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

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## Template Style Reference (to be deleted)

### 9. ISTVS Heading 1

ISTVS Body Text. ISTVS Body Text. ISTVS Body Text. ISTVS Body Text. ISTVS Body Text. ISTVS Body Text. ISTVS Body Text.

#### 9.1 ISTVS Heading 2

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##### 9.1.1 ISTVS Heading 3

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