**PREPARATION OF PAPERS - PAPER TITLE**

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*Abstract*—These instructions give you guidelines for preparing papers for INTERNATIONAL SYMPOSIUM ON TECHNOLOGICAL INNOVATION – ISTI 2021*.* Use this document as a template if you are using Microsoft Word. Otherwise, use this document as an instruction set. Do not cite references in the abstract. Do not delete the blank line immediately above the abstract; it sets the footnote at the bottom of this column. This abstract must be 250 words.

*Keywords*—About four key words or phrases in alphabetical order, separated by commas.

(For papers writing in Portuguese, It is necessary to write the “RESUMO” and the ABSTRACT)

# **INTRODUCTION**

This document is a template for *Word (doc)* versions. If you are reading a paper version of this document, so you can use it to prepare your manuscript.

Do not change the font sizes or line spacing to squeeze more text into a limited number of pages. *Use italics for emphasis; do not underline.* The number maximum of the page is ten (10).

# **PROCEDURE FOR PAPERS SUBMISSION**

## **REVIEW STAGE**

Please submit your manuscript electronically for review as e-mail attachments. When you submit your initial full paper version, prepare it in single column format, including figures and tables.

## **FIGURES**

All tables and figures you insert in your document are only to help you gauge the size of your paper, for the convenience of the referees, and to make it easy for you to distribute preprints.

**2.3** **MATH**

If you are using *Word,* use either the Microsoft Equation Editor or the *MathType* add-on (http://www.mathtype.com) for equations in your paper (Insert | Object | Create New | Microsoft Equation *or* MathType Equation). “Float over text” should *not* be selected.

# **HELPFUL HINTS**

## **FIGURES AND TABLES**

Place figure captions above the figures; place table titles above the tables. If your figure has two parts, include the labels “(a)” and “(b)” as part of the artwork. Figure labels should be legible, approximately 10 to 11 point type.

Figure 1. Mapping nonlinear data to a higher dimensional feature space



 Source: Silva, (2019)

TABLE I

Units for Magnetic Properties

|  |  |  |
| --- | --- | --- |
| Symbol | Quantity | Conversion from Gaussian andCGS EMU to SI a |
| Φ | magnetic flux | 1 Mx → 10−8 Wb = 10−8 V·s |
| *B* | magnetic flux density,  magnetic induction | 1 G → 10−4 T = 10−4 Wb/m2 |
| *H* | magnetic field strength | 1 Oe → 103/(4π) A/m |
| *m* | magnetic moment | 1 erg/G = 1 emu  → 10−3 A·m2 = 10−3 J/T |
| *M* | magnetization | 1 erg/(G·cm3) = 1 emu/cm3 → 103 A/m |
| 4π*M* | magnetization | 1 G → 103/(4π) A/m |
| σ | specific magnetization | 1 erg/(G·g) = 1 emu/g → 1 A·m2/kg |
| *j* | magnetic dipole  moment | 1 erg/G = 1 emu  → 4π × 10−10 Wb·m |
| *J* | magnetic polarization | 1 erg/(G·cm3) = 1 emu/cm3 → 4π × 10−4 T |
| χ*,* κ | susceptibility | 1 → 4π |
| χρ | mass susceptibility | 1 cm3/g → 4π × 10−3 m3/kg |
| μ | permeability | 1 → 4π × 10−7 H/m  = 4π × 10−7 Wb/(A·m) |
| μr | relative permeability | μ → μr |
| *w, W* | energy density | 1 erg/cm3 → 10−1 J/m3 |
| *N, D* | demagnetizing factor | 1 → 1/(4π) |

No vertical lines in table. Statements that serve as captions for the entire table do not need footnote letters.

aGaussian units are the same as cgs emu for magnetostatics; Mx = maxwell, G = gauss, Oe = oersted; Wb = weber, V = volt, s = second, T = tesla, m = meter, A = ampere, J = joule, kg = kilogram, H = henry.

Source: Silva, (2019)

# **CONCLUSION**

Although a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions.

# **APPENDIX**

Appendixes, if needed, appear before the acknowledgment.

# **ACKNOWLEDGMENNT**

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