

### Cover Page

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23rd International Toki Conference (ITC-23)

## Large-scale Simulation and Fusion Science

Presentation Number:	xxx (P1-23, O-4, I-5, etc.)
Paper Title:	A Sample TeX Manuscript for 23rd International Toki Conference
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Topic Category in ITC-23 (see the list below):	0
<p>LIST OF TOPICS CATEGORY in ITC-23</p> <ol style="list-style-type: none"><li>1. The Leading Edge of Large-scale Numerical Simulation</li><li>2. Magnetically-Confined Fusion Plasmas</li><li>3. Inertially-Confined Fusion Plasmas</li><li>4. Fusion Engineering and Fusion Reactor Concepts</li><li>5. Space and Astrophysical Plasmas</li><li>6. Basic Plasma Research and Plasma Applications</li><li>7. Imaging Science</li></ol> <p>Notes: Above categories are not in one-to-one correspondence with the 6 categories in the submission site of PFR. Please choose a category which is mostly related to your article when you submit a paper on PFR online submission site (PERAS).</p>	

# A Sample T<sub>E</sub>X Manuscript for 23rd International Toki Conference

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Nowadays, Petascale supercomputers are being developed towards Exascale systems. Moreover, modeling and simulation techniques which are suitable for exascale computing are also developed energetically. On this background of supercomputer capability, the design of a Demo nuclear fusion reactor and the related numerical simulation research are being promoted intensively. On this occasion, the 23rd International Toki Conference (ITC-23) will focus on Large-scale Simulation and Fusion Science research. The frontiers of simulation science in plasma and fusion research will be the main scope.

**Keywords:** Five to ten keywords or phrases should be given. Except in special cases, type all keywords in lower-case letters separated by commas

## 1 Introduction

The International Toki Conference (ITC) is an international conference for the discussion and presentation of research activities related to nuclear fusion and plasma. It has been held annually by the National Institute for Fusion Science in Toki city since 1989.

## 2 Journal Publication

Original articles related to the conference topics, are encouraged to be submitted to Plasma and Fusion Research (PFR) which is an electronic journal published by the Japan Society of Plasma Science and Nuclear Fusion Research. The papers will go through a complete peer-review process. Only the papers reporting original and previously unpublished work will be accepted and published as regular articles in the academic journal, PFR. Invited speakers who present a talk reviewing previous works at the conference may be suggested by the editorial board to submit a paper in the category of "Overview articles". The maximum length of the manuscript is 8 pages for Invited talks, and 4 pages for Contributed papers in the PFR format. A submission fee (Article charge: 3,000 JPY + Page charge: 5,000 JPY/page) is required for publication. The submission fee and reprint fee are NOT included in the registration fee. Sample format for the manuscript is available on the ITC-23 Web site. The Online paper submission site will open on November 6th, and the deadline is 21st. Note: The first author of the proceedings paper is expected to be the same as the one on the presentation at the conference.

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## 3 LIST OF TOPICS in ITC-23

1. The Leading Edge of Large-scale Numerical Simulation
2. Magnetically-Confined Fusion Plasmas
3. Inertially-Confined Fusion Plasmas
4. Fusion Engineering and Fusion Reactor Concepts
5. Space and Astrophysical Plasmas
6. Basic Plasma Research and Plasma Applications
7. Imaging Science

## 4 Paper preparation

Paper size must be A4 (21.0 cm × 29.7 cm). Authors using L<sup>A</sup>T<sub>E</sub>X should use the pfr package provided by the program committee of ITC-23:

```
\usepackage{pfr_itc23}
```

Text should be typeset in Times. The title should be in Times Bold. These fonts can be accessed by using either the standard times, mathptmx or recent txfonts package, as in

```
\documentclass
[a4paper,twocolumn,fleqn]{article}
\usepackage{amsmath} % optional
\usepackage{txfonts} % or times
\usepackage{graphicx} % optional
\usepackage{pfr_itc23}
\begin{document}
...
```

The default Computer Modern fonts may be used as a last resort.

The document should be submitted in PDF format (or PostScript format). Any fonts other than the standard PostScript fonts (such as Times and Symbol) must xxx (P1-23, O-4, I-5, etc.)-01



Fig. 1 Sample figure. Letters in figures must be sufficiently large.

be embedded in the document, and don't use national (e.g. Japanese) fonts.

The manuscript must include a concise abstract (less than 200 words), a complete list of references, figures and tables with captions. Each author's name is given in the order of first name, initial of optional middle name and last name, as in Carl F. GAUSS. References are cited as [1], [2, 3], and [1, 2, 3], and are listed at the end of the manuscript, *not* preceded by a header such as "References." See also Fig. 1 and its caption.

Equations should be indented by 10 mm from the left margin, as is

$$\tilde{f}(\mathbf{x}, \mu, E) = -\boldsymbol{\rho} \cdot \nabla f_M(\mathbf{x}, E). \quad (1)$$

Vector expressed by a Greek font should be written in Greek Bold; e.g.,  $\boldsymbol{\rho} = \mathbf{b} \times \mathbf{v}_\perp / \Omega$ . For equations separated into multiple lines, the equation number should appear only on the last line.

- [1] M. D. Kruskal and R. M. Kulsrud, *Phys. Fluids* **1**, 265 (1958).
- [2] L. Spitzer, Jr., *Physics of Fully Ionized Gases* (Interscience Publishers, New York, 1959) p. 20.
- [3] S. Tanaka, to be published in *Jpn. J. Appl. Phys.* **22** (1983).