

# PREPARING A PAPER TO THE INTERNATIONAL FORUM ON AEROELASTICITY AND STRUCTURAL DYNAMICS 2011

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**Abstract:** This document provides some instructions for preparing a paper to be included in the Proceedings of the International Forum on Aeroelasticity and Structural Dynamics (IFASD) 2011. These instructions include submission and proper formatting. Note that the total length of the paper should not exceed 20 printed pages, and the size of the electronic version must not exceed 10 MB of memory.

## 1 INTRODUCTION

The International Forum on Aeroelasticity and Structural Dynamics (IFASD) is intended to give a comprehensive survey of the current status of research and development in the field of aeroelasticity and structural dynamics for aerospace vehicles. This forum is also an excellent opportunity to meet other scientists and engineers to exchange ideas and experiences.

The program's technical content includes theoretical, numerical, and experimental contributions that describe original research results and/or innovative concepts. In addition, in-depth reviews and timely surveys are included.

This document describes the format for an IFASD paper and provides submission instructions for IFASD2011.

## 2 SUBMISSION

Each IFASD2011 paper will be assigned a unique identifier of the form 'IFASD-2011- $\langle num \rangle$ ,' where  $\langle num \rangle$  is a three-digit number. For example, 'IFASD-2011-012.' All correspondence with the forum organizers should include this identification number.

Your completed paper should be uploaded **no later than 15 May 2011** using the link which has been sent to you together with the login details in the acceptance notification.

If you are submitting more than one paper, please submit each paper separately.

The paper should preferably be submitted in Portable Document Format (PDF), but Microsoft Word is acceptable in case you cannot convert it to PDF. It will be converted for you, but we cannot guarantee the accuracy of conversion.

When uploading the final manuscript, please send the following additional information in plain text directly in the body of an e-mail addressed to:

To: Jean-Pierre.Grisval@onera.fr  
Subject: IFASD-2011-*<num>*

1. A short biography of the author(s) that will present at the Forum. This information will then be passed on to the chairperson of your session.
2. If you need any special equipment for your presentation, such as a VHS VCR, overhead projector, or 35-mm slide projector. It will be the speaker's responsibility to cover the costs for any such special equipment. Each session room will be equipped with an LCD projector, microphone, laser pointer and a computer equipped with Acrobat Reader, Microsoft Office and USB connections (no CDrom reader). Presenters are responsible for bringing their own computer or for making arrangements to use another computer. Please note that we cannot guarantee the security of computers and other items left unattended.

Note that the paper must be fully cleared for presentation at an open conference, as it will be part of the conference proceedings. The speaker is fully responsible for ensuring that technical data disclosed while in attendance is cleared for release through their sponsor and/or employer.

### **3 LAYOUT**

#### **3.1 Paper Size**

The paper should be written using a paper size of 210 mm × 297 mm (DIN A4).

#### **3.2 Margins**

All margins should be set to 25 mm, resulting in a typing area of 160 mm × 247 mm, centered on the page.

#### **3.3 Page numbering**

Page numbers should be placed at the bottom of each page, centered and in a 12-point 'Times New Roman' font, or equivalent.

#### **3.4 Size Limits**

The paper, including figures, tables, and references, should not exceed 20 printed pages. The electronic version must not exceed 10 MB of memory.

### **4 FRONT MATTER**

The first page shall start with the following items, in order:

1. title

2. list of authors
3. list of affiliations
4. keywords
5. abstract

The format for each of these items is described below.

#### **4.1 Title**

The title should be written centered at the top margin of the first page, using all capital letters in a 14-point boldface ‘Times New Roman’ font, or equivalent. It should be single spaced if the title is more than one line long.

#### **4.2 Authors**

The list of authors should appear centered, 12 points below the title. Use a 12-point bold ‘Times New Roman’ font, or equivalent. Each author’s name should include first name, middle initial, and surname.

#### **4.3 Affiliations**

The list of affiliations should be spaced 12 points below the list of authors and centered. The affiliations should be set in an 11-point regular-weight ‘Times New Roman’ font, or equivalent. A 12-point vertical space should be used to separate each affiliation. Each affiliation should include a name, surface mail address, and e-mail address.

#### **4.4 Keywords**

The list of keywords should appear 12 points below the list of affiliations. The keywords should be left-justified and written using a 12-point ‘Times New Roman’ font, or equivalent. The list should be a comma-separated list of not more than six keywords and should be prefixed, in bold, by ‘Keywords.’

#### **4.5 Abstract**

The abstract should be placed 12 points below the list of keywords. The abstract should be justified and should neither be too short nor exceed the first page. The abstract should be set in a 12-point ‘Times New Roman’ font, or equivalent, and should be prefixed, in bold, by ‘Abstract.’

The abstract should be followed by the ‘Introduction’ section.

### **5 HEADINGS AND BODY**

All headings should be numbered sequentially and should include the number of the parent section, as follows:

$\langle p \rangle \langle heading \rangle$   
 $\langle p \rangle . \langle s \rangle \langle heading \rangle$   
 $\langle p \rangle . \langle s \rangle . \langle t \rangle \langle heading \rangle$

## 5.1 Primary headings

The primary headings should be written in uppercase and left-aligned in 12 point bold-face ‘Times New Roman’ font, or equivalent. There should be a 12-point space before and a 6-point space after a primary heading.

## 5.2 Secondary headings

Secondary headings should be in sentence case and left-aligned in 12-point bold-face ‘Times New Roman’ font, or equivalent. There should be a 12-point space before and a 6-point space after a secondary heading.

## 5.3 Tertiary headings

Tertiary headings should be in sentence case and left-aligned in a 12-point bold-face italics ‘Times New Roman’ font, or equivalent. There should be a 12-point space before and a 6-point space after a tertiary heading.

## 5.4 Body text

The normal body text should be formatted in a single column. Paragraphs should be single-spaced and justified, with no indentation of the first line. Each paragraph should be separated by 12 points. The font should be 12-point ‘Times New Roman,’ or equivalent.

## 6 EQUATIONS

A displayed equation should be centered and should have a 12-point space above and below to separate it from the surrounding text. These equations should be sequentially numbered, with the number being right justified and placed between parentheses. The following example illustrates the proper format for a single equation.

$$Ax = b \tag{1}$$

Multi-line equations should appear as follows:

$$\begin{aligned} Ax &= b \\ Ax &= b \end{aligned} \tag{2}$$

## 7 FIGURES

All figures should be consecutively numbered and captioned. The caption should be placed 6 points below the bottom of the figure, should be set in a 10-point font, and should take the the format ‘Figure  $\langle n \rangle$ :  $\langle Caption \rangle$ .’ Sentence case should be used. A space of 12 points should separate the figure from the surrounding text. It is recommended that all figures be placed within the text at the point of citation, as shown here. However, you may optionally place all of the figures at the end of the paper, after the references.

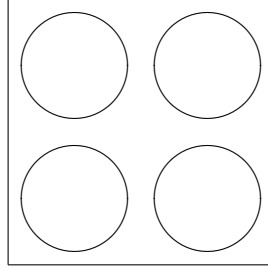


Figure 1: Sample figure

Mode	Description	$f_{pred}$ Hz	$f_{exp}$ Hz	Error %
1	First bending	1.23	1.33	7.5
2	First torsion	4.56	4.76	4.2
3	Second bending	7.89	8.29	4.8

Table 1: Sample table

## 8 TABLES

All tables should be consecutively numbered and captioned. The caption should be placed 6 points below the bottom of the table, should be set in a 10-point font, and should take the the format ‘Table  $\langle n \rangle$ :  $\langle Caption \rangle$ .’ Sentence case should be used. A space of 12 points should separate the table from the surrounding text. It is recommended that all tables be placed within the text at the point of citation, as shown here. However, if you chose to locate all of the figures after the references, all of the tables should be placed after the figures.

## 9 REFERENCES AND CITATIONS

References should be included at the end of the paper in a numbered ‘References’ section. The references should be sequentially numbered and listed in the order in which they are cited in the paper.

A citation should be given in the text as an Arabic number between brackets, as in [1]. Multiple citations should be ordered and separated by commas. Sequences of three or more references should be collapsed and separated by an endash, as in [1,2] or [1,3–5].

Examples of the reference format follow.

## 10 REFERENCES

- [1] Bisplinghoff, R. L., Ashley, H., and Halfman, R. L. (1955). *Aeroelasticity*. Addison-Wesley Publishing Company, Inc.
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- [4] Meirovitch, L. (1975). *Elements of Vibration Analysis*. McGraw-Hill, Inc.
- [5] Stark, V. J. (1984). General equations of motion for an elastic wing and method of solution. *AIAA Journal*, 22(8), 1146–1153.