



THE THIRTIETH INTERNATIONAL  
SYMPOSIUM ON COMBUSTION  
Chicago, Illinois, USA  
July 25-30, 2004

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Proceedings  
of the  
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## Instructions for Submission of Revised Papers

The deadline for submission of revised papers is **April 16, 2004**.  
Early submission is recommended.

### CONTENTS:

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- **Publication Form** to be FAXed to the Combustion Institute
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Users of some older versions of Adobe Acrobat may get a **warning** when this document opens. This should not affect the use of the document.

**Dear Author:**

Congratulations on the acceptance of your paper for presentation at the 30<sup>th</sup> Symposium, July 25-30, 2004. Below are the instructions for preparing and submitting your revised paper for publication. We thank all authors in advance for their assistance in meeting the challenge of producing high quality *Proceedings of the Combustion Institute* within a very tight publication schedule.

**Authors must prepare TWO VERSIONS of their revised paper:**

- Version 1:** A traditional **SINGLE-COLUMN, DOUBLE-SPACED** paper, which will be reviewed by a Colloquium Co-Chair and used by the publisher to generate galley proofs.
- Version 2:** A **TWO-COLUMN, FORMATTED** version (with figures and tables at the end), which will be used by the Combustion Institute to **screen all revised papers for length and legibility**.

**BOTH VERSIONS must be submitted on or before April 16 2004.**

Authors will need the **PASSWORD** that was used to retrieve reviewer comments from the InControl site.

**VERSION 2 INSTRUCTIONS** for preparing the two-column, formatted version of your revised paper must be downloaded from <http://www.combustion2004.org/revisions.htm>. Word and LaTeX instructions are provided with examples. These instructions are intended to make this formatting process as painless for authors as possible.

**IMPORTANT CONSIDERATIONS:**

**Length:** Revised papers **MUST** fit within the equivalent of **7-1/3 pages**, when formatted according to the Version 2 Instructions. This preserves 2/3 page for comments and replies in the final Proceedings. Authors, who followed the original instructions for estimating the length of submitted papers and adhered to the 6000 word guideline, should have no difficulty meeting this final page limit, provided that revisions do not significantly add to length.

**Legibility:** Revised papers will not be accepted for publication unless all figures and tables are legible, at production size, to the satisfaction of the Combustion Institute and the Editors. Authors are responsible for creating legible figures.

**Color Figures:** Color should be used only when necessary. **Authors must agree to pay the page costs associated with color reproduction.** We will email information on cost as soon as it is available from the publisher. All other figures must be submitted in black and white. Authors will be required to redraw in black and white any figures that make inappropriate or unnecessary use of color.

**Follow instructions carefully. Failure to do so in a timely manner may preclude publication of your paper in the *Proceedings of the Combustion Institute*, even if it has been accepted for presentation.**



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## Author Check List

The deadline for submission of revised papers is **April 16, 2004**.  
Early submission is recommended.

- Download formatting instructions** and examples from the 30<sup>th</sup> Combustion Symposium web site: <http://www.combustion2004.org/revisions.htm>
- Revise your paper** in accordance with the reviewers' comments, as indicated in your written rebuttal. Be conscious of length, as the page limit will be strictly enforced.
- Confirm** that your revised paper conforms to the guidelines for organization and style outlined in **Author Instructions for Revised Papers – Version 1**.
- Redraw** any figures that make **unnecessary use of color**. Simple line drawings and graphs that are not to be published in color **MUST** be submitted in black and white.
- Prepare the **two-column formatted version** of your revised paper in accordance with downloaded instructions and examples.
- Confirm that all figures and tables are clearly legible** at their column formatted size (67 mm for single column and 140 mm for two-column figures and tables). Authors will be required to redraw figures that are judged insufficiently legible.
- Confirm** that the **two-column formatted version** of your revised paper fits within the equivalent of **7-1/3 pages or less**. Shorten your paper (both versions) if necessary.
- Prepare a **cover letter to the Colloquium Co-Chairs** listing revisions made to the paper. Include page-, figure-, or table numbers to identify where each revision was made.
- Prepare the compressed file** (tar.gz or zip) containing figure files and any Supplementary Multimedia Material. See **Author Instructions for Revised Papers – Version 1**.
- Fill out the **Affirmations Form** and the **Publication Information Form** and **FAX both** forms to the Combustion Institute number listed on the form.
- Submit the two-column formatted version AND cover letter as PDF files** to <http://www.combustion2004.org/cms/> Enter your paper ID number, email, and **password**.
- Submit the traditional single-column, double-spaced version** of the revised paper to the In Control site: <http://216.228.1.34/icpauthrev/log.asp> Enter: Conference ID = CI04, email, and password. Click on **Revise Paper**. Conversion to PDF is done by the site. **View and approve** the converted PDF file. Click on **Upload Support Files** to submit the compressed file containing separate figures, tables, and any supplementary material.



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## Affirmations

Print this page and **TYPE** the requested information - **OR** - Fill in this PDF electronic form before printing.  
(Click on the "Hand Tool" before filling out this E-Form in Adobe Acrobat.)

**FAX the completed and signed form to:** Sue Terpack, Combustion Institute, + 412-687-0340

Paper ID number: PID \_\_\_\_\_

Title: \_\_\_\_\_

Authors: \_\_\_\_\_

### Affirmation of Non-Duplication

I affirm the work presented in this paper has not been and will not be published elsewhere.

Name (printed): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Affirmation of Presentation

I affirm that I or a co-author will present this paper at the Thirtieth International Symposium on Combustion.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Affirmation of Responsibility for Color Page Charges

I affirm that I or a co-author will pay for the cost of publication of figures that appear in color. Charges will be based on the number of pages that require color. All other figures must be submitted in black and white. The editors may require that figures with unnecessary use of color be redrawn.

List figures, by Fig. number, for which color is requested: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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## Publication Information Form

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**FAX the completed form to:** Sue Terpack, Combustion Institute, +412-687-0340

Paper ID number: PID \_\_\_\_\_

Title: \_\_\_\_\_

Authors: \_\_\_\_\_

Indicate three **Subject Index Categories** (by number from the list included in this document):

1<sup>st</sup> choice: \_\_\_\_\_ 2<sup>nd</sup> choice: \_\_\_\_\_ 3<sup>rd</sup> choice: \_\_\_\_\_

Indicate an **alternative point of contact** (telephone, fax and E-mail). This should be provide if the corresponding author expects to be out of contact for any extended periods during the publication process.

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

**Short running title** not to exceed 45 characters and spaces:

\_\_\_\_\_

# Instructions to Authors for Preparing Revised Papers: Version 1 – Single-Column, Double-Spaced 30<sup>th</sup> International Symposium on Combustion

Instructions on organization and style duplicate those distributed for the original submission process. Please confirm that the revised paper conforms. **Required information on the Title Page is different (see below).** The guideline in words for submitted papers has been replaced by a formatted page limit for final papers.

## LENGTH OF FINAL REVISED PAPERS

- a. Maximum limit of 7-1/3 pages in the format of the printed Proceedings.
- b. Equivalent page length is to be determined by creating a two-column formatted version of the revised paper, as described earlier in this document.
- c. In most cases the 7-1/3 page limit will allow more than 6000 words, as determined using the original instructions for submitted papers.

## STYLE AND ORGANIZATION

- a. Please study the most recent issues of *Combustion and Flame* (August 2003 or later), as final papers will be printed in a similar style.
- b. Organize the paper in the following order: Title Page, Abstract, Keywords, Nomenclature (if used), Introduction, Main Body, Conclusions, Acknowledgments, References, Appendices, Tables, List of Figure Captions, Figures.
- c. Use numerals to denote separate sections and subsections of the Introduction, Main Body, and Conclusions, as in recent issues of *Combustion and Flame*.

**MANUSCRIPTS** Manuscripts must be in English and in **single-column, double-spaced** format on 210 x 297 mm (A4) or 215 x 280 mm (8.5 x 11 inch) paper with even margins, such that the printed area is 165 x 230 mm (6.5 x 9 inch). Title page, tables, and a list of figure captions should be prepared as separate pages.

**TITLE PAGE** The title page must include:

- a. Title of the paper
- b. Author(s) and affiliation(s)
- c. Corresponding author's COMPLETE contact information:
  - Mailing address, including country
  - Fax (**essential**)
  - Email (**essential**)
- d. Paper ID number (PIDxxxxx)
- e. Short running title not to exceed 45 characters and spaces
- f. **Do not include word count**

**ABSTRACT** One paragraph of 200 to 300 words.

**KEYWORDS** Up to a maximum of five keyword entries should be listed for indexing.

**NOMENCLATURE** If symbols are used extensively, a nomenclature list arranged alphabetically, with subscript and superscript symbols listed separately, should be provided. Otherwise all symbols should be identified when first used in the text.

**ABBREVIATIONS** Abbreviation of chemical compounds or all acronyms should be written in full at their first mention with the abbreviation in parentheses.

**UNITS** Authors are expected to use the SI system of units.

**UNCERTAINTIES** Authors are encouraged to provide experimental uncertainties as well as assessments of errors associated with numerical solutions.

**MATHEMATICS** Typewritten letters, numbers, and symbols should be used for mathematical material wherever possible. Use fraction exponents instead of root signs. Use the solidus (/) for simple fractions. Numbers that identify mathematical expressions should be enclosed in parentheses and should be numbered consecutively beginning with “1” in the text. Refer to equations in the text as “Eq. 1,” etc., or “Equation 1,” etc., at the beginning of a sentence.

**REFERENCES** References should be indicated in the text by full-size numbers in brackets, e.g., [1], and should be numbered in the order cited. The numbered reference list at the end of the article should conform to the following style:

**Journals:** J.C. Rolon, F. Aguerre, S. Candel, *Combust. Flame* 100 (3) (1995) 422-429.

**ALL Symposium Proceedings:** N.S.A. Smith, R.W. Bilger, J.-Y. Chen, *Proc. Combust. Inst.* 24 (1992) 263-269.

**Books:** P. Prasad, *Propagation of a Curved Shock and Nonlinear Ray Theory*. Longman Scientific & Technical, Harlow, U.K., 1993, p. 105.

**Edited Book:** R.A. Yetter, F.L. Dryer, D.M. Golden, in: M.Y. Hussaini, A. Kumar, F.G. Voigt (Eds.), *Major Research Topics in Combustion*. Springer-Verlag, New York, 1992, p. 309.

**Conference Proceedings:** A conference proceedings should be styled as a book, with publisher or institution sponsoring publication and the year published, as well as the year the conference was held. Authors must ensure that these references are publicly available.

**Internal Reports:** A.S. Johnson, F.W. Adams, *Use of Laser Diagnostics in Supersonic Flows*, Report No. SAND87-8003, Sandia National Laboratories, 1987. Authors must ensure that these references are publicly available.

**TABLES** Tables should be numbered consecutively with arabic numerals. Footnotes to tables should be indicated by superscript letters, beginning with “a”.

**FIGURES** All figures will be reproduced in either single column width (67 mm) or double column width (approx. 140 mm). Lettering and data points should be large enough to be legible after the figure has been reduced. Hard copies of line drawings should be good contrast black on white reproductions. Figures not meeting these requirements will be returned to the author(s) for revision.

Essential color figures may be included but at the discretion of the Editors and at extra expense to the authors. **Color should not be used in line drawings or graphs unless absolutely necessary.** Different symbols or line types, rather than color, should be used to distinguish results. Due to technical complications in converting color figures to “grey scale,” all figures that are to be printed in black and white must be submitted in black and white.

Each figure must have a caption and a list of all these captions should be typed on a separate page, which precedes the figures at the end of the manuscript. Figures should be numbered consecutively, beginning with “1,” in the text. Refer to figures in the text as “Fig. 1,” etc., or “Figure 1,” etc., at the beginning of a sentence. The preferred formats for figures are TIFF or EPS files. Word files are acceptable if they conform to certain requirements. For assistance on how to prepare artwork for electronic submission visit <http://authors.elsevier.com/artwork> or download the file [http://authors.elsevier.com/pdfs/artwork\\_instructions.pdf](http://authors.elsevier.com/pdfs/artwork_instructions.pdf).

**SUPPLEMENTAL MULTIMEDIA MATERIAL** Elsevier is now able to accept electronic supplementary material to support and enhance presentation of your scientific research in the on-line Proceedings. Supplementary material must be submitted along with your revised paper. Supplementary files supplied will then be subject to review and, if accepted, will be published on-line alongside the electronic version of your article on ScienceDirect (<http://www.sciencedirect.com>). Prepared multimedia files according to Elsevier’s instructions at [http://authors.elsevier.com/pdfs/mmc\\_instructions.pdf](http://authors.elsevier.com/pdfs/mmc_instructions.pdf). **Include all supplemental multimedia files in a folder “SMM files” within the compressed submission file** that contains the separate files of all figures in your paper.



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## **Subject Index Categories**

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	07	Soot
	08	SOx
	09	Unburned Hydrocarbons