



18th International Symposium on Fireworks (18th ISF)
Grand Hotel Excelsior Malta
Floriana, Malta
April 24-28, 2023

AUTHOR INSTRUCTIONS

INTRODUCTION

The theme for the 18th ISF is "Consumers Right to Use Consumer Fireworks". Worldwide, the access to consumer fireworks by individuals for their own personal use and enjoyment ranges from nearly unrestricted to complete prohibition by government regulators. Safety concerns usually form the basis for restrictions on many products, including access to and use of consumer fireworks. Do the accidental injury data justify the safety concerns leading to prohibition of consumer fireworks? Are there other concerns such as the environmental impact on the use of consumer fireworks that influences their prohibition? Can consumer fireworks be designed and manufactured to be used more safely by the general public without there being any diminishment in their pyrotechnic effects and attractiveness? Papers on these subjects as well as those on the manufacture, transportation, storage, and use of entertainment fireworks are also encouraged as these will be of great interest to the registrants to the 18th ISF in Malta, in 2023. Technically rigorous papers, specifically dealing with the sensitivities, energy output, and new technologies for use of pyrotechnic compositions are also highly desirable.

Papers accepted for presentation will be printed in the Proceedings of the 18th International Symposium on Fireworks, which will be distributed to the attendees at the Symposium as part of the registration package. Every paper accepted for publication must be presented by the author or in the case of multiple authors by one of the authors. If an author is unable to present a paper because of, for example, illness or transportation problems, then the author or a representative must notify a Director of the International Symposium on Fireworks Society Ltd (ISFS). The Chairman of the 18th ISF will then be notified to make necessary changes to the ISF Program. Without such prior notifications, a "No-Show" will be viewed very unfavorably by the ISFS in terms of future paper acceptances. Also, in the case of a "No Show," the copyright to the published paper(s) remains with the ISFS.

An author or coauthor of multiple papers may present, as a speaker, a maximum of two papers. If an author or coauthor submits more than two papers for publication in the 18th ISF Proceedings, he/she may present an additional paper as the topic of a roundtable discussion.

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Although a procedure has been in place for past ISFs, it will be now made official, that authors may request that their paper, be REFEREED. That is, if a paper is of substantial quality and presents new material, then it will be reviewed by at least three Reviewers chosen by the ISFS Ltd BoD and will be deemed as REFEREED.

The following instructions will enable you, the author(s), to prepare your manuscript. For the Symposium Proceedings to have a professional appearance, we, the ISFS editors, require uniformity in the style and format of the manuscripts submitted by the authors. Attention to detail is a must. **These instructions have been prepared following the required style and format.** If there are any questions regarding preparation of your manuscript, please contact the ISFS President and 18th ISF Proceedings Editor, Mr Ettore Contestabile (contact information provided herein). Papers containing blatant advertising will be returned.

Submit the complete paper as a Microsoft Word document by **January 15, 2023** to your regional Director as an e-mail attachment. Include in the e-mail the name of the contact author and the speaker's name. Upon receipt, the paper will be inspected for completeness and compliance with the subject matter and the required format. If the paper is incomplete or non-compliant, the contact author will be notified for appropriate action.

MANUSCRIPT PREPARATION

Language

Papers must be in English. The official language of the 18th International Symposium on Fireworks is English (USA).

When writing your paper, please keep in mind that the Symposium is **international**. Attendees and many others who will read your paper may not have English as their first language. The paper should be technically accurate and concise. Use short words and simple sentences wherever possible and avoid unfamiliar jargon. Any abbreviation you do use, even if it is familiar to most individuals in the international fireworks community, should be defined the first time it appears in the abstract and the body of the paper.

Format

Compose your manuscript in Microsoft Word

Page set-up: All margins – 1” (2.54 cm)
Paper – A4

Use the Times New Roman (11) font, which is used in these instructions. Do not indent paragraphs. Paragraphs should be single-spaced. The entire text must be left and right justified except for the References or Bibliography which must be only left justified.

The length of the paper should not exceed 20 pages, including text, figures, tables, and references. Please contact the 18th ISF Proceedings Editor if there is a problem with this constraint.

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Sometimes a submitted paper may be re-formatted slightly to ensure it has an odd number of pages. This will allow all papers to conform with the Proceedings layout, where the title page of each paper is on the right, an odd-numbered page.

Major headings are to be CAPITALIZED, **boldface** and centered, not underlined. Major headings include: **TITLE, ABSTRACT, INTRODUCTION, APPROACH/METHOD, RESULTS, DISCUSSION, CONCLUSIONS, ACKNOWLEDGEMENTS, REFERENCES or BIBLIOGRAPHY, and APPENDIX.**

Subheadings, in **Boldface**, but not underlined, are to be positioned on the left margin with the first letters capitalized. Additional subheadings can be boldfaced *italic* or regular *italic* with the first letters capitalized.

Leave two spaces above and one below each major heading. Leave one space above but none below for the subheadings.

Use SI units or acceptable metric equivalents. Other units may be given in brackets following the metric unit. For numbers, use a point (interpunct) as the decimal mark and a comma as the digit group separator. Examples: 1,234.56 m and 0.1234 g. Please be mindful of the rules of Significant Figures (Digits) in reporting your data.

Do not number the pages.

The Title/Abstract Page

The **TITLE** is a major heading and should be centered immediately below the top margin. The **TITLE** is followed by the names of the author(s), the complete mailing address with the author's affiliation (name, address, state/province/region, country, and postal code). If you wish, your email address can also be included.

Below this block is the **ABSTRACT**. The **ABSTRACT** should be approximately 200 words in length. It states the purpose(s) or reason(s) for conducting the research or addressing the topic, the objective(s), the approach used in achieving the objective(s) (e.g., experimental technique or method), and a brief statement of the results. Only the **TITLE**, author(s), and the **ABSTRACT** are to appear on this single, Title/Abstract page.

Introduction

All papers must have an **INTRODUCTION**. It is here that you provide in broader detail the paper's purpose and/or focus, objective(s), and background information for the reader. You should address previous work done by you and certainly others on the subject of your paper and its relevance.

Figures

Graphs, drawings, photographs and illustrations are to be labeled as Figures. Every Figure must be addressed in the text, numbered consecutively, and titled. Captions must be placed one line below the figures (centered). Figures must be imbedded in the text as close as possible to where they are referenced. Format the word "Figure" and its associated number in **bold** and use "-" to separate from the caption text.

Example:

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Figure 1 - Burst height dependence on mortar length

Tables

Every Table must be addressed in the text, numbered consecutively and titled. Tables must be imbedded in the text as close as possible to where they are referenced. Format the word “Table” and its associated number in **bold** and use “-” to separate from the caption text. Table captions are to be placed immediately (no space) above the tables (centered). Example:

Table 1 - Burst heights for the shells investigated

References

Very rarely are papers submitted for publication in the ISF Proceedings which report advances in the technology and/or the art of fireworks, which are so novel, so unusual, or even revolutionary, such that the past efforts of others can be ignored. References not only recognize the past contributions to a specific subject, but their inclusion in a paper provides the reader with a sense of continuity and progress, and a measure of the paper’s credibility. While you may not have access to all fireworks publications, it is imperative that all papers published in previous ISF proceedings relevant to the subject of your paper be included in your references.

The responsibility for the accuracy of **REFERENCES** rests with you, the author(s). **REFERENCES** in the body of the paper should appear as numbers in superscript after the author’s surname, e.g., Schneider¹, and listed consecutively and correspondingly in the reference section in the order in which they are cited in the text. In case of two authors, separate the surnames with “and” for citation in the text (e.g., Tang and Schneider²). For three or more authors, all the authors can be listed or only the first followed by “*et al*”. References may also be used to provide elaborations or explanations of interest, which if provided in the body of the paper may be distracting to the reader (e.g., “Gurney⁴ analysis,” or, “often reported as 80 Joules⁵”). You must ensure that all references cited in the text are listed, and vice versa. The list of **REFERENCES** is located at the end of the document and before any Figures and Tables (if not imbedded in the text), and Appendices. Note that only the Title of the reference is in *italic*. Below are examples of references in the proper format.

Contestabile, E., *Firing Fireworks Shells from oversize or larger diameter mortars*, Proc., 2nd International Symposium on Fireworks (ISF), Vancouver, Canada, 533-539, 1994

Schneider, R.L. and B.A. Donahue, *Environmentally Benign Alternatives to Open Burning/Open Detonation (OB/OD) Destruction of Energetic Material (EM) Production Wastes*, Proc., 19th International Pyrotechnics Seminar, Christchurch, New Zealand, 339-351, 1994

Date, S., T. Sugiyama, N. Miyata, K. Iwakuma, M. Abe, K. Yoshitake, S. Nishi, and K. Hasue, *A Study on the Burning Characteristics of Some Guanidinium 1,5'-bis-1H-Tetrazolate/MetalOxide Mixtures*, Science and Technology of Energetic Materials, 70, 152-157, 2009

Fulcanelli, A., *Traditional Cylindrical Shell Construction: Part 2*, Pyrotechnica XI: Occasional Papers in Pyrotechnics, Pyrotechnica Publications, 5-48, 1987

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Lancaster, R., *The History of Fireworks, Chapter 1, Fireworks – Principles and Practice*, 4th Ed., Chemical Publishing Co., Inc., New York, NY, 2006

Shidlovsky, A.A., *Osnovy Pirotekniki (Fundamentals of Pyrotechnics)*, 1st Ed., published in 1943. Translation into English by the US Joint Publication Research Service, Feltman Research Laboratories, Picatinny Arsenal, Dover, NJ, USA, as Technical Memo 1615, 1965

R.M.M. van Wees, et al., *Report D5-1, Quantitative Overview of the Information Needed to be Met by Instrumentation*, European Commission Project Number EVG1-CT-2002-00074, <http://www.chaf.info/wp5.htm>

ISO2859-1, *Sampling Procedures for Inspection by Attributes –Part 1: Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-Lot Inspection*, 2008

For references to private communications:

Shimizu, T., private communication, June 2005

For references to web sites, it is imperative to give the date that the site was accessed:

<http://www.isfireworks.com> [Accessed: 03 August 2018]

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