

Instructions for SD422 Paper Submissions

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Abstract - Type the abstract (100 words minimum and 150 words maximum) using *Italic font with point size 10*. The abstract is an essential part of the paper. Use short, direct, and complete sentences. It should be as brief as possible and concise. It should be complete, self-explanatory, and not require reference to the paper itself. The abstract should be informative giving the scope and emphasizing the main conclusions, results, or significance of the work described. Do not use the first person; do not include mathematical expressions; do not use references and try to avoid acronyms.

Keywords: Tracking, filtering, estimation, information fusion, resource management.

1 Introduction

These are instructions for authors typesetting for the *SD422 Course Project Submission* to be handed in on April 30, 2005. This document has been prepared using the required format (Microsoft *Word* version 6.0 or later). Using this document as a template is highly recommended as it gives the best input for the final publications. (Papers prepared using applications other than Microsoft *Word* must conform to the format and criteria detailed in this document.)

This style sheet is based on IEEE requirements for SMC conferences. An electronic copy of this document can be found at: <http://ieeesmc2005.unm.edu/>.

The paper is to be written in two-column format and be right and left justified. The column width should be 85 mm (3.35 inches). The gap between the two columns should be 5 mm (0.2 inches).

1.1 Instructions for authors

An electronic copy of your *full paper* must be submitted (in original and PDF format) to the course instructor not later than *April 30, 2005*. Please follow the submission instructions as discussed in the class.

2 Formatting instructions

MS Word users: please use the paragraph styles contained in this document: Title, Heading 1, Heading 2, Abstract, Keywords, Body Text, Equation, Reference, Figure, and Caption. Do not add any page numbers, and do not use footers and headers. You are not allowed to

change the styles manually, because it may result in additional work (or exclusion from the proceedings if repeated in your final accepted camera-ready paper).

2.1 Length

The *minimum* number of pages for your paper is **5**. The *maximum* number of pages accepted is **10**. Changing the formats described in the template may result in point deduction.

2.2 Title

Type the title approximately 3.5 centimeters below the top border of the letter size paper sheet and use a 20 point size typefont. Center the title (horizontally) on the page. Leave approximately 1 cm (0.4 inches) between the title and the name and address of yourself and of your co-authors, if any. Type the name(s), address(es) and email in an 11 point font and center them (horizontally) on the page.

2.3 Spacing

Each section (or subsection) should be separated from the previous text by 12 points (as indicated in the format/paragraph menu).

2.4 Section and subsection headings

Number the section and subsection headings consecutively in Arabic numbers and type them in bold. Use point size 14 for section headings and 12 for subsection headings. Avoid using too many capital letters. Keep all section and subsection headings flushed left. If any further subdivision of a subsection is needed, the titles should be 12 point.

2.5 Main text

Use 2 centimeters (0.8 inches) for the left and right margins. Use 10 point Times New Roman font (ieeenormal) for text (character size). Do not use bold in the main text; if you want to emphasize specific parts of the main text, use italics. Start a new paragraph by indenting it from the left margin (and not by inserting a blank line). Leave a margin of at least 2 centimeters (0.8 inches) at the page head (for placing the final numbers and running heads in final accepted papers). The typing area should not exceed 24 x 17.5 centimeters (9.4 x 6.9 inches). The text should

be prepared with a double column format and single line spacing.

2.6 Tables

All tables must be embedded in your document. They must be numbered consecutively (in Arabic numbers). Table headings should be placed (centered) above the table. Place tables as close as possible to where they are mentioned in the main text.

2.7 Figures

All illustrations should be embedded scans of original drawings or photographic prints of originals. All figures must be embedded in your document. All illustrations must be numbered consecutively (i.e., not section-wise), using Arabic numbers. Center figure captions beneath the figure (see Figure 1). If possible, do not assemble figures at the back of your article, but place them as close as possible to where they are mentioned in the main text. No part of a figure should go beyond the typing area. Figure captions should appear (centered) below graphical objects, as in Figure 1.

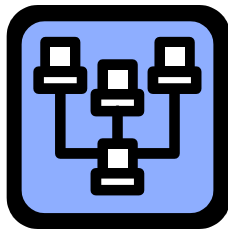


Figure 1. Fusion data flow

2.8 Mathematical formulas

Mathematical formulas should be roughly centered and numbered, as in:

$$y = f(x) \quad (1)$$

2.9 References

References to the literature should be mentioned in the main text by an Arabic number in square brackets, like [1], [2]. List these in order of appearance at the very end of your paper (under the heading References). Start each reference on a new line with its number in square brackets [3]. Number footnotes separately in superscripts. Place the actual footnote at the bottom of the column in which it was cited. Do not use footnotes in the reference list.

2.10 Fine tuning

- Do not end a page with a section or subsection heading.
- Keep footnotes to a minimum.

- Do not use footers and headers.
- Do not include page numbers in the text (this will be our job for final accepted papers).

3 Conclusions

Proper conclusions should appear here.

References

- [1] A.A. Author, "My best paper yet," Proc. Best Conference in the World, Best City, pp. 11-18, March 2001.
- [2] B.B. Coauthor and A. Friend, "Boris's favorite journal paper," *A really great journal*, Vol 37, No. 3, pp. 433-448, Feb. 2000.
- [3] Nobel Laureate, *His book*, Publisher, Location, Year.