

003 Susan Student<sup>1</sup>  
004 <http://www.vision.inst.ac.uk/~ss>  
005 Petra Prof<sup>1</sup>  
006 <http://www.vision.inst.ac.uk/~pp>  
007 Colin Collaborator<sup>2</sup>  
008 [colin@collaborators.com](mailto:colin@collaborators.com)  
009

<sup>1</sup> The Vision Institute  
University of Borsetshire  
Wimbleham, UK  
<sup>2</sup> Collaborators, Inc.  
123 Park Avenue,  
New York, USA

010  
011 **Abstract**

012 This document demonstrates the format requirements for papers submit-  
013 ted to the Portuguese Conference on Pattern Recognition. The format is  
014 designed for easy on-screen reading, and to print well at one or two pages  
015 per sheet. Additional features include: pop-up annotations for citations [?  
016 ? ]; a margin ruler for reviewing; and a greatly simplified way of entering  
017 multiple authors and institutions.

018 **All authors are encouraged to read this document**, even if you  
019 have written many papers before. As well as a description of the format,  
020 the document contains many instructions relating to formatting problems  
021 and errors that are common even in the work of authors who *have* written  
022 many papers before.

023  
024 **1 Introduction**

025 The proceedings of RecPad (the Portuguese Conference on Pattern Recog-  
026 nition) will be published only in electronic form. This document illus-  
027 trates the required paper format, and includes guidelines on preparation  
028 of submissions. Papers which fail to adhere to these requirements may be  
029 rejected at any stage in the review process.

030 L<sup>A</sup>T<sub>E</sub>X users should use this template in order to prepare their paper.  
031 Users of other packages should emulate the style and layout of this exam-  
032 ple. Note that best results will be achieved using pdf<sub>l</sub>at<sub>e</sub>x, which is  
033 available in most modern distributions.

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035 **1.1 Paper length: two pages including bibliography and title**

036 Papers must be 2 pages in length, *including* the bibliography. Length  
037 is counted from the bottom of the title on the first page. Therefore, the  
038 bibliography should begin eight lines into page ten. This is an approx-  
039 imate measure, intended to encourage brevity, but authors should keep  
040 in mind that blatant disregard of this instruction will cause reviewers to  
041 require greater originality and impact of the submission. **Papers which**  
042 **are clearly overlength will not be reviewed.** This includes papers where  
043 the margins and formatting are deemed to have been significantly altered  
044 from those laid down by this style guide. The reason such papers will  
045 not be reviewed is that there is no provision for supervised revisions of  
046 manuscripts. The reviewing process cannot determine the suitability of  
047 the paper for presentation in nine pages if it is reviewed in twelve.

048 The bibliography should begin immediately after the paper text. It  
049 may be of any length, within reason. It should *not* include annotations,  
050 figures, or any other paraphernalia intended to subvert the paper length  
051 requirement.

052 **1.2 Citations**

053 When citing a multi-author paper, you may save space by using “*et alia*”,  
054 shortened to “*et al.*” (not “*et. al.*” as “*et*” is a complete word.) The pro-  
055 vided \etal macro is a useful *aide memoire* in this regard. However, use  
056 it only when there are three or more authors. Thus, the following is cor-  
057 rect: “Frobnication has been trendy lately. It was introduced by Alpher [?  
058 ], and subsequently developed by Alpher and Fotheringham-Smythe [? ],  
059 and Alpher *et al.* [? ].”

060 This is incorrect: “... subsequently developed by Alpher *et al.* [? ] ...”  
061 because reference [? ] has just two authors. If you use the \etal macro,  
062 then you need not worry about double periods when used at the end of a  
sentence as in Alpher *et al.*

Method	Frobnability
Theirs	Frumpy
Yours	Frobbly
Ours	Makes one’s heart Frob

Table 1: Results. Ours is better.

We use natbib, so citations in random order are nicely sorted: [?  
? ? ? ]. However, we don’t use the compress option, as we want each  
reference to have its own hyperlink and popup window.

**1.3 Footnotes**

Please use footnotes<sup>1</sup> sparingly. Indeed, try to avoid footnotes altogether  
and include necessary peripheral observations in the text (within paren-  
theses, if you prefer, as in this sentence). If you wish to use a footnote,  
place it at the bottom of the column on the page on which it is referenced.  
Use Times 8-point type, single-spaced.

**1.4 The ruler**

The L<sup>A</sup>T<sub>E</sub>X style defines a printed ruler which should be present in the  
version submitted for review. The ruler is provided in order that review-  
ers may comment on particular lines in the paper without circumlocution.  
If you are preparing a document using a non-L<sup>A</sup>T<sub>E</sub>X document preparation  
system, please arrange for an equivalent ruler to appear on the final output  
pages. The presence or absence of the ruler should not change the appear-  
ance of any other content on the page. The camera ready copy should not  
contain a ruler. (L<sup>A</sup>T<sub>E</sub>X users may remove the [review] option from the  
\documentclass statement.) Reviewers: note that the ruler measure-  
ments do not align well with lines in the paper — this turns out to be very  
difficult to do well when the paper contains many figures and equations,  
and, when done, looks ugly. Just use fractional references (e.g. this line  
is 210.5), although in most cases one would expect that the approximate  
location (210 in the previous example) will be adequate.

**1.5 Mathematics**

Please number all of your sections and displayed equations. It is important  
for readers to be able to refer to any particular equation. Just because  
you didn’t refer to it in the text doesn’t mean some future reader might  
not need to refer to it. It is cumbersome to have to use circumlocutions  
like “the equation second from the top of page 3 column 1”. (Note that  
the ruler will not be present in the final copy, so is not an alternative  
to equation numbers). All authors will benefit from reading Mermin’s  
description [? ] of how to write mathematics.

**2 References**

List and number all bibliographical references in 9-point Times, single-  
spaced, at the end of your paper. When referenced in the text, enclose the  
citation number in square brackets, for example [? ]. Where appropriate,  
include the name(s) of editors of referenced books.

<sup>1</sup>This is what a footnote looks like. It often distracts the reader from the main flow of the  
argument.

# Global Inference of a Second Order Smoothness Prior for Stereo

Oliver J. Woodford<sup>1</sup>  
<http://www.robots.ox.ac.uk/~ojw>

Ian D. Reid<sup>1</sup>  
[ian@robots.ox.ac.uk](mailto:ian@robots.ox.ac.uk)

Philip H. S. Torr<sup>2</sup>  
[philliptorr@brookes.ac.uk](mailto:philliptorr@brookes.ac.uk)

Andrew W. Fitzgibbon<sup>3</sup>  
<http://www.research.microsoft.com/~awf>

<sup>1</sup> Department of Engineering Science,  
 University of Oxford

<sup>2</sup> Department of Computing,  
 Oxford Brookes University

<sup>3</sup> Microsoft Research,  
 Cambridge, UK

## Abstract

The ABSTRACT is to be in fully-justified italicized text, at the top of the left-hand column, below the author and affiliation information. Use the word "Abstract" as the title, in 12-point Times, boldface type, centered relative to the column, initially capitalized. The abstract is to be in 10-point, single-spaced type. Leave two blank lines after the Abstract, then begin the main text. Look at previous CVPR abstracts to get a feel for style and length.

## 1 Introduction

Please follow the steps outlined below when submitting your manuscript to the IEEE Computer Society Press. This style guide now has several important modifications (for example, you are no longer warned against the use of sticky tape to attach your artwork to the paper), so all authors should read this new version.

### 1.1 Language

All manuscripts must be in English. For easy reading, line lengths should not be more than about 75 characters. This handy ruler allows me to check:

0For easy 1rea ding 2the line 3len gths 4shou ldnt 5get much 6gre ater 7than 75or 80ch aracters.

### 1.2 Dual submission

By submitting this manuscript to CVPR, the authors assert that it has not been previously published in substantially similar form, and no paper currently under submission to a conference contains significant overlap with this one. If you are in doubt about the amount of overlap, cite the dual submission (as described below), and argue in the body of your paper

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 It may be distributed unchanged freely in print or electronic forms.

Figure 1: It is often a good idea for the first figure to attempt to encapsulate the article, complementing the abstract. This figure illustrates the various print and on-screen layouts for which this paper format has been optimized: (a) traditional print format; (b) on-screen single-column format, or large-print paper; (c) full-screen two column, or 2-up printing.



Figure 2: Example of a short caption, which should be centered.

126 **3 Color**

127 Color is valuable, and will be visible to readers of the electronic copy.  
128 However ensure that, when printed on a monochrome printer, no impor-  
129 tant information is lost by the conversion to grayscale.  
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