

Presentation of the Electronic Letters on Computer Vision and Image Analysis (ELCVIA)

H. Bunke* and J.J. Villanueva⁺

* *Institut für Informatik und Angewandte Mathematik, University of Bern
Neubrückstr, 10 CH3012 Bern (Switzerland)*

⁺ *Computer Vision Center - Dept. Informàtica, Universitat Autònoma de Barcelona
Edifici O - Campus UAB, 08193 Bellaterra (Spain)*

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Abstract

This paper wants to be a presentation of the e-journal *Electronic Letters on Computer Vision and Image Analysis* (ELCVIA).

ELCVIA is a new electronic journal whose aim is to provide a forum where Computer Vision and Image Analysis researchers can discuss about methods, applications and experiences in this field.

ELCVIA tries to offer to authors electronical means (images, video or exe files) to show in a better form their results, which are more difficult to demonstrate in paper format.

ELCVIA tries to make the usual journal process (article submission, referee's revision and revisions reception) through WWW, by means of Web forms in the ELCVIA Web site www.cvc.uab.es/elcvia.

ELCVIA offers two types of contributions: DRAFT, with an open discussion of all the people, and ARTICLE, with a close revision of Editorial Board and reviewers.

This paper also contains information to the authors about the article or draft style format to be send to ELCVIA.

This example is a **L^AT_EX2e version**.

Key Words: Computer Vision, Image Analysis, Pattern Recognition Image segmentation, 3D reconstruction, Active vision, Tracking, Video and image sequence analysis, L^AT_EX.

1 Presentation

ELCVIA is an international electronic journal on research and applications in Computer Vision and Image Analysis. The journal has the following aims:

- To be a forum for discussion and exchange of theoretic and methodological parts of Computer Vision and Image Analysis research and their applications.
- To be a dynamic and fast mean of communication between researchers both in the revision of articles and in their publication.

Correspondence to: elcvia@cvc.uab.es

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- To take advantage of Internet multimedia capacity.
- To be a quality publication and therefore all articles will be thoroughly revised. Moreover, the Journal aims to include internationally recognized experts in Computer Vision and Image Analysis in their Boards. The objective is to include ELCVIA in the *Journal Citation Index*.
- To provide information on activities (International Conferences, Workshops, PhDs, books etc) in Computer Vision and Image Analysis.

The ELCVIA project started at the ICPR2000 conference in Barcelona, when a group of researchers of international prestige expressed their general interest in creating an electronic journal based on new technologies, as its means of communication. This e-journal would allow investigators to accelerate the process of keeping up with the new advances in the field of Computer Vision and Image Analysis without losing quality and the rigour that scientific articles require.

2 Why an electronic journal?

Internet has evolved into a means of communication and, from this concept, many electronic journals have emerged recently. These e-journals have several advantages over paper-based publications:

- More compact storage which does not deteriorate.
- Easy duplication without losses.
- Possibility of printing just the articles you consider essential.

There are many paper-based journals that have also adopted Internet as their form of publication. Nonetheless, we believe that they restrict their services, since they are dependent on the paper format. They only offer the possibility of obtaining an electronic copy of the same article in paper format and don't take advantage of the multimedia capabilities that Internet gives.

ELCVIA is an electronic journal, without a paper based edition, that tries to give authors the use of all the possibilities that Internet offers for a better dissemination of their scientific research. The main services ELCVIA intends to provide are:

- Attachment of multimedia files with the articles
- Executable programs, scripts etc...
- Animations (AVI and MPEG files).
- Images (GIF, TIFF, JPEG) in colour.
- Links to other references specified by the author.
- Flexible size of articles and surveys.
- Revision process over e-mail to make it faster and more agile without decreasing quality.
- Search engine to make article tracking easier through keywords.
- Personalized mail to receive the articles of interest specified by keywords, authors, affiliation, etc.
- Low subscription prices. Institutional subscription by domain.
- Draft publication.

3 Scope

The journal encourages research groups from all over the world to send in their contributions on computational aspects of Computer Vision and Image Analysis and applications.

The authors can send three types of contributions:

SURVEY: A contribution by invitation of the Editors in Chief or Advisory Board editors, of 12-20 pages (recommended), not revised by the Editorial Board and reviewers, to be accepted for a regular issue of the journal.

ARTICLE: A regular contribution of 8-12 pages (recommended) revised by the Editorial Board and reviewers, to be accepted for a regular issue of the journal.

DRAFT: An article of 8-12 pages (recommended) free-submitted in the web site with a forum which will include the remarks and suggestions of everyone, subscriber or not, who will read this draft. With these remarks, the author can decide to send to ELCVIA a modified version of the draft as an article.

The different fields covered (but not limited to these) by the journal are:

- Computer Vision and Image Analysis algorithms
- Artificial Intelligence approaches in Computer Vision and Image Analysis
- Pattern Recognition
- Image segmentation
- 3D reconstruction
- Active vision
- Tracking
- Video and image sequence analysis
- Vision applied to robot navigation
- Computer Vision Architectures
- Vision Applications:
 - Document Analysis and OCR
 - Medical Image Analysis
 - Machine Vision
 - Robotics

4 Periodicity

- 6 issues per year.
- The publication of the articles of a issue will be announced to subscribers via e-mail. Every time a new article is published, an E-mail will be sent announcing its publication. In order to avoid sending these e-mails very often, they will be sent every 3 or 4 weeks.

- Subscribers can select/decide on a set of keywords and the system can automatically send an e-mail with the reference.
- The publication announcement sent by e-mail will include the authors and title of each article published and a link to each one in the journal Web site.
- Access to article abstracts will be free and the complete papers will be free temporaly.
- There will be two subscription types: individual and institutional, requiring user passwords and/or IP addresses. This will determine the access to articles.

5 Contents

Each number will include a survey and a variable number of articles (5-10) that will appear as soon as they are accepted by the referees:

SURVEYS: We recommend 12-20 pages including figures. The surveys are under invitation of the Editors in Chief or Advisory Board editors.

ARTICLES: We recommend 8-12 pages including figures. The Editorial Board will determine the final length during the revision process.

The authors will send an electronic copy of the article in $\text{\LaTeX}$, Word, PS or PDF format with multimedia files, and if it is accepted, the publishers will make the conversion to other formats.

Each article shall have an HTML document with the abstract and the article in PostScript and PDF, as well as the multimedia files (AVI, MPEG, GIF, etc) that complement the article.

NEWS: Activities related to Computer Vision and Image Analysis.

- Recent PhD abstracts.
- Publication of Computer Vision related books.
- Announcements (Call for articles, Call for participation).
- Reports from conferences and meetings.
- New interesting links.
- Any other information that may be of interest to the community of researchers in Computer Vision and Image Analysis.

6 Boards

ELCVIA seeks to join in their Boards recognized international specialists in Computer Vision and Image Analysis.

The ELCVIA Board will be a 5 level board:

Editors in Chief: Responsible for strategic decisions.

Advisory Board: Together with the Editors in Chief, they will be responsible for the journal quality and exempt from executive tasks. They can propose special editions and invite other researchers to contribute surveys. They propose and elect the Editorial Board once every two years.

Editorial Assistant: Main co-ordinators of the journal. They receive an article sent by the authors and forward it to one Editorial Board member for review.

Editorial Board: They receive from the Ed. Assistants an article to be reviewed and forward it to two reviewers.

Reviewers: Proposed for each separate article by an Editorial Board member.

7 Revision and discussion

Two types of contributions are under consideration:

- **Draft discussion:**

- The author sends a draft article (named draft), which is open to everyone, opening a free-for-all forum and allowing the author to receive comments and suggestions from the scientific community. These suggestions are open to everyone, not only to the authors. The draft will be open for revision for 2-3 months.
- Draft discussion will not be blind, i.e. the authors of the articles and their affiliation will be written in the draft.
- The subscribers will receive the announcement of new drafts by e-mail in the same format as for normal articles (authors, title and a link to the ELCVIA web site).

- **Article revision:**

- The author submits the article to the journal. The revision process is as follows:
 1. The Advisory Board editors together with the Editorial Assistants choose an Editorial Board member named **Associate Editor (AE)** who will be responsible for the article revision.
 2. The AE, then, chooses two reviewers (one of these may be the same AE) who will review the article and then send their comments back to him. He will then decide whether the article is appropriate for publication and what length it should have.
 3. The accepted article will be published in ELCVIA upon the recommendation of the AE. For each published paper will appear "Recommended for acceptance by <AE name>".
- Article revision will not be blind, i.e. the authors of the articles and their affiliation will be known to the AE, who handles the paper and the review.

8 Special Issues

- Special Issues may be proposed:

- By topic
- By conference or Workshop (selection of the best articles of the congress)
- By research groups
- By country

- In all cases, the articles of a special issue will be reviewed.

9 Information to the Authors

- Articles or drafts must be sent to ELCVIA in PDF (recommended), Postscript or Word files using camera-ready format.
- $\text{\LaTeX}$, $\text{\LaTeX}2\text{e}$ and Word camera-ready formats are offered in Author's Section of the Web site www.cvc.uab.es/elcvia
- Additional files can be sent in standard image and video formats (GIF, JPEG, AVI, MPEG, etc.).
- Submission of an article or draft and the sending of the electronic files is made by filling in a Web form in the Author's Section of the ELCVIA Web site www.cvc.uab.es/elcvia
- When an article is accepted, ELCVIA board will send to the authors the following information to make the final camera-ready version:
 - Volume, number, initial and final pages, year.
 - Name of Associate Editor of the article.
 - Received, revision (if it is necessary) and accepted dates.

This final camera-ready version must be send in PDF (recommended), Postscript or Word format.

9.1 Style

Camera-ready format.

9.1.1 Sizes

The size and margins of the document are shown in Table 1.

Page's size	A4 (210 mm $\times$ 297 mm)
Margins	
Top	2 cm
Left	2 cm
Text and figures area	17 cm (width) $\times$ 25 cm (height)

Table 1: Paper size and margins

9.1.2 Fonts

The font type and size are shown in Table 2.

If the font "Times" is not available another similar font can be used, for example $\text{\LaTeX}$ users can use the default font *computer-modern-font*.

9.1.3 Important

- $\text{\LaTeX}2.09$ users can use the style file `elcvia.sty` and the example file `elcvia209.tex`.
- $\text{\LaTeX}2\text{e}$ users can use the style files `elcvia.sty` and `elcvia.cls` with the example file `elcvia2e.tex`.
- Word users can use the example file `elcvia.doc` and the macros file `elcvia.dot`.

Title	Times 16pt (bold)
Section title	Times 14pt (bold)
Subsection title	Times 12pt (bold)
Subsubsection title	Times 11pt (bold)
Abstract	Times 10pt
Body Text	Times 11pt
Figure and table captions	Times 11pt

Table 2: Fonts

- For any question related to the format please contact: elcvia@cvc.uab.es

Note: This document has been formatted using the $\text{\LaTeX}$ 2e style [1] and its heading is:

```
\documentclass[twoside,a4paper,11pt]{article}
\usepackage{times}
\usepackage{elcvia}
\usepackage[english]{babel}
```

If the font “Times” is not available use this heading:

```
\documentclass[twoside,a4paper,11pt]{article}
\usepackage{elcvia}
\usepackage[english]{babel}
```

article corresponds to the standard $\text{\LaTeX}$ files `article.sty` and `article.cls`.

10 Publisher:

Computer Vision Center
Edifici 0 - Campus UAB
08193 Bellaterra (Barcelona) - Spain
e-mail: elcvia@cvc.uab.es
Tel: 34 - 93 - 581 18 28
Fax: 34 - 93 - 581 16 70

References

- [1] Leslie Lamport, *A Document Preparation System*, Addison-Wesley, 1994. (*Example of Book Reference*)
- [2] I.T. Phillips, A.K. Chhabra, “Empirical performance evaluation of graphic recognition systems”, *IEEE Transactions on Pattern Analysis and Machine Intelligence* 21(9):849-870, 1999. (*Example of Journal Reference*)
- [3] H. Kida, O. Iwaki, K. Kawada, “Document recognition system for office automation”, *IEEE Proc. of 8th Intl. Conf. on Pattern Recognition*, Paris, 1:446-448, 1986. (*Example of Proceedings Reference*)