Template for International Journal of Pattern Recognition and Artificial Intelligence - IJPRAI

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The abstract should summarize the context, content and conclusions of the paper in less than 200 words. It should not contain any reference citations or displayed equations. Typeset the abstract in 8 pt roman with baselineskip of 10 pt, making an indentation of 1.5 pica on the left and right margins.

Keywords: Keyword1; keyword2; keyword3.

1. General Appearance

Contributions to the *International Journal of Pattern Recognition and Artificial Intelligence* will mostly be processed by using the authors' source files. These should be submitted with the manuscripts, and resubmitted in the final form if a paper requires revision before being accepted for publication.

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Authors are encouraged to have their contribution checked for grammar. American spelling should be used. Abbreviations are allowed but should be spelt out in full when first used. Integers ten and below are to be spelt out. Italicize foreign language phrases (e.g. Latin, French).

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the first page. Text area (excluding running title) is 7.7 inches high and 5 inches wide for subsequent pages. Final pagination and insertion of running titles will be done by the publisher.

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Major headings should be typeset in boldface with the first letter of important words capitalized.

3.1. *Sub-headings*

Sub-headings should be typeset in boldface italic and capitalize the first letter of the first word only. Section number to be in boldface roman.

3.1.1. *Sub-subheadings*

Typeset sub-subheadings in medium face italic and capitalize the first letter of the first word only. Section numbers to be in roman.

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Sections, sub-sections and sub-subsections are numbered in Arabic. Use double spacing before all section headings, and single spacing after section headings. Flush left all paragraphs that follow after section headings.

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List may be presented with each item marked by bullets and numbers.

Bulleted items

- item one,
- item two,
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1. item one,
2. item two,
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The order of subdivisions of items in bullet and numbered lists may be presented as follows:

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    - Fourth item in the second level
- Third item in the first level
- Fourth item in the first level

Numbered items

1. First item in the first level
2. Second item in the first level
    (a) First item in the second level
    (b) Second item in the second level
        i. First item in the third level
        ii. Second item in the third level
        iii. Third item in the third level
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    (d) Fourth item in the second level
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4. Fourth item in the first level

4. Equations

Displayed equations should be numbered consecutively, with the number set flush right and enclosed in parentheses. The equation numbers should be consecutive within the contribution.

$$\mu(n,t) = \frac{\sum_{i=1}^{\infty} 1(d_i < t, N(d_i) = n)}{\int_{\sigma=0}^{t} 1(N(\sigma) = n)d\sigma} \ . \tag{1}$$

Equations should be referred to in abbreviated form, e.g. "Eq. (1)" or "(2)". In multiple-line equations, the number should be given on the last line.

Displayed equations are to be centered on the page width. Standard English letters like x are to appear as x (italicized) in the text if they are used as mathematical symbols. Punctuation marks are used at the end of equations as if they appeared directly in the text.

5. Theorem environments

Theorem 1. *Theorems, lemmas, definitions, etc. are set on a separate paragraph, with extra 1 line space above and below. They are to be numbered consecutively within the contribution.*

Lemma 1 (Optional Heading). *Theorems, lemmas, definitions, etc. are set on a separate paragraph, with extra 1 line space above and below. They are to be numbered consecutively within the contribution.*

Proof. Proofs should end with   □

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Figures are to be inserted in the text nearest their first reference. Figure placements can be either top or bottom. Original india ink drawings of glossy prints are preferred. Please send one set of originals with copies. If the author requires the publisher to reduce the figures, ensure that the figures (including letterings and numbers) are large enough to be clearly seen after reduction. If photographs are to be used, only black and white ones are acceptable.
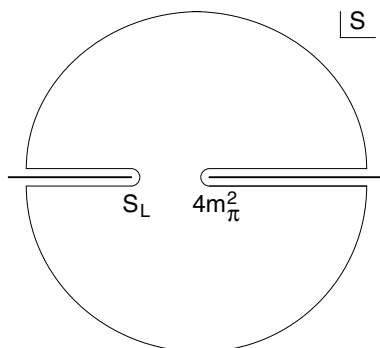

Fig. 1. A schematic illustration of dissociative recombination. The direct mechanism, $4m_{\pi}^2$ is initiated when the molecular ion S_L captures an electron with kinetic energy.

Figures are to be sequentially numbered in Arabic numerals. The caption must be placed below the figure. Typeset in 8 pt roman with baselineskip of 10 pt. Long captions are to be justified by the "page-width". Use double spacing between a caption and the text that follows immediately.

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7. Tables

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Table 1. Comparison of acoustic for frequencies for piston-cylinder problem.

Piston Mass	Analytical Frequency (Rad/s)	TRIA6-S_1 Model (Rad/s)	% Error
1.0	281.0	280.81	0.07
0.1	876.0	875.74	0.03
0.01	2441.0	2441.0	0.0
0.001	4130.0	4129.3	0.16

Note: Table notes
[a]Table footnote A
[b]Table footnote B

If tables need to be extended over to a second page, the continuation of the table should be preceded by a caption, e.g. "*Table 2. (Continued)*". Notes to tables are placed below the final row of the table and should be flushleft. Footnotes in tables should be indicated by superscript lowercase letters and placed beneath the table.

8. Running Heads

Please provide a shortened runninghead (not more than eight words) for the title of your paper. This will appear on the top right-hand side of your paper.

9. Footnotes

Footnotes should be labeled sequentially in superscript lowercase roman letters.[a]

Acknowledgments

This section should come before the References. Funding information may also be included here.

Appendix A. Appendices

Appendices should be used only when absolutely necessary. If there is more than

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[a]Footnotes should be typeset in 8 pt roman at the bottom of the page.

one appendix, number them alphabetically. Number displayed equations occurring in the Appendix in this way, e.g. (A.1), (A.2), etc.

$$\mu(n,t) = \frac{\sum_{i=1}^{\infty} 1(d_i < t, N(d_i) = n)}{\int_{\sigma=0}^{t} 1(N(\sigma) = n)d\sigma} \ . \tag{A.1}$$

References

References are to be listed alphabetically with Arabic numerals. They can be typed in superscripts after punctuation marks, e.g. "... in the statement.[5]" or used directly, e.g. "see Ref. 2 for examples." Please list using the style shown in the following examples. For journal names, use the standard abbreviations. Typeset references in 9 pt roman.

References

1. M. J. Beeson, *Foundations of Constructive Mathematics*, Springer, Berlin, 1985.
2. K. L. Clark, "Negations as failure," *Logic and Data Bases*, eds. H. Gallaire and J. Winker, Plenum Press, NY, 1973, pp. 293–306.
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4. W. L. Gewirtz, "Investigations in the theory of descriptive complexity," Ph. D. Thesis, New York University, 1974.
5. M. Joliat, "A simple technique for partial elimination of unit productions from LR(k) parsers," *IEEE Trans. Comput.* **27** (1976) 753–764.
6. R. Tamassia, C. Batini and M. Talamo, "An algorithm for automatic layout of entity relationship diagrams," *Entity-Relationship Approach to Software Engineering, Proc. 3rd Int. Conf. Entity-Relationship Approach*, eds. C. G. Davis, S. Jajodia, P. A. Ng and R. T. Yeh, North-Holland, Amsterdam, 1983, pp. 421–439.

Biographical Sketch and Photo

Upon acceptance of an article, a brief biographical sketch and photograph of each author are to be supplied to the Publisher.

Chuan-Cheng Wang received the B.S. degree in electrical engineering from National Sun Yat-Sen University, Kaohsiung, Taiwan in 1992 and the M.S. degree in computer science from National Chiao Tung University, Hsinchu, Taiwan in 2001.

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