Sample Paper for UKCI'11: The 2011 UK Workshop on Computational Intelligence

Ned Kelly, *Senior Member, IEEE*, Joe Byrne, *Member, IEEE*, and Steve Hart

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I. INTRODUCTION

If you have an introduction for your paper, put it here.

This sample file is intended to serve as a "starter file." You need to replace the text in this file with the text that makes up your paper.

A. Subsection Heading Here

If applicable, subsection text goes here. Note that you need to use \subsection. You may or may not have any subsections. That is okay.

1) Subsubsection Heading: Insert any subsubsection text here. Same thing as before — you may or may not have any subsubsections.

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B. Page Layout

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- Paper length: maximum 6 pages, including figures, tables, and references. In exceptional circumstances, up to two additional pages will be permitted for a charge of USD$100 per additional page.

Ned Kelly is with The Old Melbourne Gaol, Russell Street, Melbourne, Australia (phone: +61-1-2345-6789; fax: +61-9-8765-4321; email: Ned.Kelly@badboy.edu.au).

- Paper format: double column, single spaced, 10pt font.
- Text width: 7.0 in (178 mm).
- Text height: 9.375 in (240 mm). All text and figures must be contained in the 178×240 mm image area.
- The left/right/bottom margin must be 0.75 in (19 mm).
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- Text should appear in two columns, each 3.4 in (86.5 mm) wide, with 0.2 in (5 mm) space between columns.
- Do **NOT** number the pages in the manuscript.
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  - latex mypaper
  - dvips -Ppdf -G0 -tletter mypaper.dvi
  - ps2pdf -dEmbedAllFonts=true mypaper.ps mypaper.pdf

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II. RESULTS

The main results and findings go here.

Do not number an equation if it will not be directly cited in the paper. In order to avoid numbered equations, use \begin{equation*}–\end{equation*}, \[–\], or $$–$$. For example:

$$a = b + c,$$

$$\dot{x} = f(x, u) + g(x, u),$$

or

$$\ddot{s} = G(s, t)$$

where f, g, and G are functions.

Note that Equation (1) below is numbered! It is produced using \begin{equation}–\end{equation}:

$$F_i(P_i) = a_i + b_i P_i + c_i P_i^2 \qquad (1)$$

where a_i, b_i, and c_i are coefficients of unit i, and P_i represents some value for unit i.

Aligning equations can be done with either the align or eqnarray commands. Recently, \begin{align}–\end{align} has gained popularity over \begin{eqnarray}–\end{eqnarray}.

Equation (2) is produced using \begin{align}–\end{align}:

$$\dot{x}_l = \sum_{i=1}^{m} \frac{c_{P_{x_i}} e^{k_{x_i} \bar{x}_i} + c_{N_{x_i}} e^{-k_{x_i} \bar{x}_i}}{e^{k_{x_i} \bar{x}_i} + e^{-k_{x_i} \bar{x}_i}}$$
$$+ \frac{1}{2} \sum_{j}^{q} (c_{P_{u_j}} + c_{N_{u_j}})$$
$$y = A_0 + A_1 \tanh(K_x \bar{x}) + B \tanh(K_u \bar{u})$$
$$= F(x), \tag{2}$$

where $F(x)$ is a function.

Equation (3) represents the same equation produced using \begin{eqnarray}–\end{eqnarray}:

$$\dot{x}_l = \sum_{i=1}^{m} \frac{c_{P_{x_i}} e^{k_{x_i} \bar{x}_i} + c_{N_{x_i}} e^{-k_{x_i} \bar{x}_i}}{e^{k_{x_i} \bar{x}_i} + e^{-k_{x_i} \bar{x}_i}}$$
$$+ \frac{1}{2} \sum_{j}^{q} (c_{P_{u_j}} + c_{N_{u_j}})$$
$$y = A_0 + A_1 \tanh(K_x \bar{x}) + B \tanh(K_u \bar{u})$$
$$= F(x), \tag{3}$$

where $F(x)$ is a function. You get the idea!

A. Example of a Figure

Below is an example of a floating figure using the graphicx package. Note that \label must occur AFTER (or within) \caption. For figures, \caption should occur after the \includegraphics. To reference a figure, use the word Figure followed by the figure number. Here is an example: Figure 1.
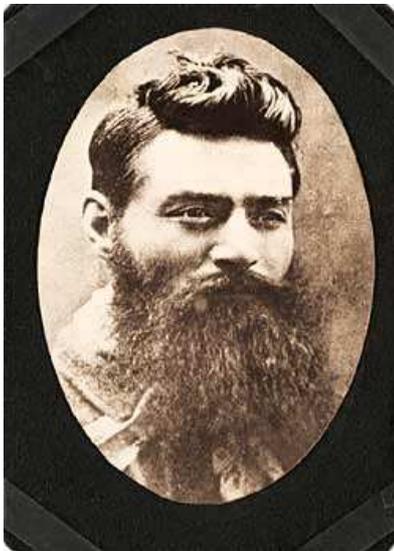

Fig. 1. A famous Australian bush-ranger: Ned Kelly

B. Figures and Tables

Please follow the style in this sample paper when generating your figures and tables.

C. What Sections to Include

Usually, your paper should contain an Introduction, Background, Methodology, Results, and Conclusions section. You may also add Acknowledgments if you like. After that, you should list your references in a References section.

D. Page Limit and Overlength Page Charges

A paper submitted to this conference should be prepared in a single-spaced, two-column format. Its length must be kept to 6 pages or less. In exceptional circumstances, up to two additional pages will be permitted for a charge of USD$100 per additional page. Table I shows the page limit and page charge schedule.

Another example of a table is shown in Table II.

TABLE II

A SECOND TABLE

Method	Mean time	Best time	Mean cost	Maximum cost	Minimum cost
A	928.36	926.20	124793.5	126902.9	123488.3
B	646.16	644.28	124119.4	127245.9	122679.7
C	1056.8	1054.2	123489.7	124356.5	122647.6
D	632.67	630.36	123382.0	125740.6	122624.4

Citations are included like so [1]. Multiple citations appear like this [2], [3].

III. CONCLUSIONS

The conclusion goes here.

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APPENDIX

Put your appendix here if you have any.

REFERENCES

[1] A. Great, *This is the book title*. This is the name of the publisher, 2006.
[2] F. Author, S. Author, and T. NonRelatedAuthor, "This is the paper title," in *This is the proceedings title*, 2008, pp. 1–8.
[3] B. Myself, "This is the title of the journal article," *This is the name of the journal*, pp. 1–30, 2007.