Sample Paper for CIG'12: The 2012 IEEE Conference on Computational Intelligence and Games

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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.

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- Paper length: maximum 8 pages, including figures, tables, and references. In exceptional circumstances, up

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- to two additional pages will be permitted for a charge of USD\$100 per additional page.
- Paper format: double column, single spaced, 10pt font.
- Text width: 7.0 in (178 mm).
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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 $\begin{array}{c} \text{begin}\{\text{equation*}\}-\text{end}\{\text{equation*}\}, \\ \text{equation*}\} \end{array}$. 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}:

$$F_i(P_i) = a_i + b_i P_i + c_i P_i^2 \tag{1}$$

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}:

$$\dot{x}_{l} = \sum_{i=1}^{m} \frac{c_{P_{x_{i}}} e^{k_{x_{i}}\bar{x}_{i}} + c_{N_{x_{i}}} e^{-k_{x_{i}}\bar{x}_{i}}}{e^{k_{x_{i}}\bar{x}_{i}} + e^{-k_{x_{i}}\bar{x}_{i}}}
+ \frac{1}{2} \sum_{j}^{q} (c_{Pu_{j}} + c_{Nu_{j}})
y = A_{0} + A_{1} \tanh(K_{x}\bar{x}) + B \tanh(K_{u}\bar{u})
= F(x),$$
(2)

where F(x) is a function.

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

$$\dot{x}_{l} = \sum_{i=1}^{m} \frac{c_{P_{x_{i}}} e^{k_{x_{i}}\bar{x}_{i}} + c_{N_{x_{i}}} e^{-k_{x_{i}}\bar{x}_{i}}}{e^{k_{x_{i}}\bar{x}_{i}} + e^{-k_{x_{i}}\bar{x}_{i}}}
+ \frac{1}{2} \sum_{j}^{q} (c_{Pu_{j}} + c_{N_{u_{j}}})
y = A_{0} + A_{1} \tanh(K_{x}\bar{x}) + B \tanh(K_{u}\bar{u})
= F(x),$$
(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. The first author and a member of her team

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.

TABLE I PAGE LIMIT

Page limit:	8	
Excess page charge:	USD\$100/page	

D. Page Limit and Overlength Page Charges

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Another example of a table is shown in Table II.

TABLE II A SECOND TABLE

Method	Mean	Best	Mean	Maximum	Minimum
	time	time	cost	cost	cost
A	928.36	926.20	124793.5	126902.9	123488.3
В	646.16	644.28	124119.4	127245.9	122679.7
С	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.

ACKNOWLEDGMENTS

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REFERENCES

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