Title of your Report

First A. Author, Second B. Author, and Third C. Author,

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.

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

2) About This Template: This template is for LaTeX users of the Advanced AI in games class. Authors should use this sample paper as a guide in the production of their report(s).

II. RELATED WORK

Here you describe what other work has been done on this topic and closely related topics. It is important that how your work differs from previous work.

III. METHOD

Here you describe what you did and argue for why you want to do it this way and not in some other way. All design choices need to be well motivated.

IV. RESULTS

The main results and findings go here.

Do not number an equation if it will not be directly cited in the report. 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}:

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

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}.

TABLE I
PAGE LIMIT

Page limit:	8
Excess page charge:	AUD$100/page

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. Figures and Tables

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

B. 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 8 pages or less. In exceptional circumstances, up to two additional pages will be permitted for a charge of AUD$100 per additional page. Table I shows the page limit and page charge schedule.

Another example of a table is shown in Table II.

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

V. CONCLUSIONS

The conclusion goes here.

TABLE II

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

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.