Makahiki: An Open Source Game Engine for Energy Education

Philip M. Johnson
Department of Information and
Computer Sciences
University of Hawai'i at Mānoa
Honolulu, HI 96822
johnson@hawaii.edu

George E. Lee
Department of Information and
Computer Sciences
University of Hawai'i at Mānoa
Honolulu, HI 96822
gelee@hawaii.edu

Yongwen Xu
Department of Information and
Computer Sciences
University of Hawai'i at Mānoa
Honolulu, HI 96822
yxu@hawaii.edu

Robert S. Brewer
Department of Information and
Computer Sciences
University of Hawai'i at Mānoa
Honolulu, HI 96822
rbrewer@hawaii.edu

ABSTRACT

In this paper ...

Categories and Subject Descriptors

L.5.1 [Game-based Learning]: Gaming

General Terms

Human Factors, Games, Education, Motivation

Keywords

Serious Games, Education, Gamification

1. INTRODUCTION

Energy education

2. RELATED WORK

Our research draws on work from multiple areas. First, [1]

3. SYSTEM DESIGN

3.1 Requirements

The requirement is

3.2 Architecture

The architecture is \dots

3.3 Game Mechanics

The game mechanics is ...

4. EVALUATION

In Kukuicup.....

5. CONCLUSIONS

From the above

6. DISCUSSIONS

Further discussion is

7. ACKNOWLEDGMENTS

it is a location for you to acknowledge grants, funding, editing assistance and what have you.

8. REFERENCES

[1] R. Brewer, G. Lee, and P. Johnson. The kukui cup: a dorm energy competition focused on sustainable behavior change and energy literacy. In System Sciences (HICSS), 2011 44th Hawaii International Conference on, pages 1–10. IEEE, 2011.