

# FINAL PROGRAM



1 – 2 March 2011

Digipen Institute of Technology, Singapore

Organized by



Sponsored by



eurosis



# GAME-ON'ASIA 2011-ASTEC'2011 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

Conference Site: PIXEL Building, 10 Central Exchange Green, #01-01, Singapore 138649 📞 Tel:  
+65 6577 1900 📠 Fax: +65 6577 1908. The way to the meeting room will be signposted.

## Tuesday, March 1, 2011

09.00 - 15.00 **Registration in front of the meeting room**

09.30 - 10.00 **Welcome:**

### **Welcome Address**

Chek Tien Tan, University of Technology, Sydney, Australia

Philippe Geril, EUROSIS-ETI, Ostend, Belgium

10.00 - 10.30 **Coffee Break**

10.30 - 11.30 **Session I**

### INVITED SPEAKER I

10.30-11.30

#### **Session Chairperson:**

**Chek Tien Tan, University of Technology, Sydney, Australia**

#### **INVITE**

#### **Real Time Rendering of Amorphous Effects**

Golam Ashraf and Koh Kok Weng ..... 5

11.30 - 12.30 **Session II**

### GAME AI

11.30-12.30

#### **Session Chairperson:**

**Chek Tien Tan, University of Technology, Sydney, Australia**

#### **GAMEON\_ASIA\_07**

#### **A Model for Visitor Circulation Simulation in Second Life**

Kingkarn Sookhanaphibarn, Ruck Thawonmas, Frank Rinaldo and

Nadia Magnenat-Thalmann ..... 35

**Tuesday, March 1, 2011**

**GAMEON-ASIA\_06**

**Improved Pareto Optimum passing using varied Kicking Speed in Soccer Games**

Nattawit Tanjapatkul and Vishnu Kotrajaras ..... 38

12.30 - 14.00      **Lunch**

14.00 - 15.00      **Session III**

**INVITED SPEAKER II**

14.00-15.00

**Session Chairperson:**

**Chek Tien Tan, University of Technology, Sydney, Australia**

**INVITE II**

**Special Game for Special Autism Education**

Cai Yiyu, Nanyang Technological University and Noel Chia, the National Institute for Education, Singapore

15.00 - 15.30      **Coffee Break**

15.30 - 16.30      **Session IV**

**STRATEGY GAMING**

15.30-16.30

**Session Chairperson:**

**Chek Tien Tan, University of Technology, Sydney, Australia**

**GAMEON-ASIA\_01**

**Difficulty balancing in Real-Time Strategy Gaming Session using Resource Production Adjustment**

Piyapoj Kasempakdeepong and Vishnu Kotrajaras ..... 47

**GAMEON-ASIA\_12**

**Strategies to solve a 4x4x3 domineering Game**

Jonathan Hurtado ..... 52

## **Tuesday, March 1, 2011**

16.30 - 17.30      **COMPANY VISIT**

### **COMPANY VISIT I**

16.30-17.30      **Participants are invited to come and visit the DIGIPEN facilities in Singapore.**

### **FREE EVENING**

**Wednesday, March 2, 2011**

09.00 - 10.00      **Registration in front of the meeting room**

09.00 - 10.00      **Session V**

### **GRAPHICS**

**09.00-10.00**                      **Session Chairperson:**  
**Chek Tien Tan, University of Technology, Sydney, Australia**

**GAMEON-ASIA\_11**

**Real-Time Object-Space Edge Detection using OpenCL**

Dwight House and Xin Li ..... **63**

**ASTECS\_03**

**Enhanced Cellular Automata for Image Noise Removal**

Abdel latif Abu Dalhoum, Ibrahim Al Dhamari, Alfonso Ortega and

Manuel Alfonseca ..... **69**

10.00 - 10.30      **Coffee Break**

10.30 - 12.00      **Session VI**

### **GAME METHODOLOGY AND DESIGN**

**10.30-12.00**                      **Session Chairperson:**  
**Ruck Thawonmas, Ritsumeikan University, Shiga, Japan**

**GAMEON\_ASIA\_05**

**Augmented Reality Games; a Review**

Chek Tien Tan and Donny Soh ..... **17**

**GAMEON\_ASIA\_02**

**The 6-11 Framework: a new Methodology for Game Analysis and Design**

Roberto Dillon ..... **25**

**GAMEON\_ASIA\_10**

**Work with Mii: Immersing the Body in the Wii Fit Program**

Maria Emilynda Jeddahlyn Pia V Benosa ..... **30**

## Wednesday, March 2, 2011

12.00 - 12.15      **Session VII**

### CLOSING SESSION

**17.00-17.15**                      **Session Chairpersons:**  
    **Chek Tien Tan, University of Technology, Sydney, Australia**  
    **Philippe Geril, EUROSIS-ETI, Ostend, Belgium**

12.30 - 14.00      **Lunch**

14.00 - 15.00      **Session IX**

### PREPARATORY MEETING GAMEON-ASIA'2012/ASTEC-2012

**14.00-15.00**                      **Session Chairperson:**  
    **Philippe Geril, EUROSIS-ETI, Ostend, Belgium**

**This is an open preparatory meeting for the organizers of GAMEON-ASIA'2012-ASTEC'2012 in Kyoto, Japan. All those participants interested can take part in the meeting and make their suggestions.**

15.00 - 15.30      **Coffee Break**

15.30 - 17.00      **COMPANY VISIT II**

### COMPANY VISIT

**15.30-17.00**                      **Participants are invited to come and visit UBISOFT in Singapore.**  
    **(BEWARE the visit is still under discussion with UBISOFT)**

20.00 - 23.00      **Conference Dinner**

**All participants are invited to the conference dinner. More information will be available at the conference.**

**THANK YOU FOR TAKING PART IN THIS YEAR'S EVENT AND HOPE TO  
SEE YOU ALL NEXT YEAR AT**

**GAMEON\_ASIA 2012 – ASTEC'2012**

**January 28-30, 2012  
Ritsumeikan University  
Kyoto, Japan**

**In conjunction with  
The Annual Japanese DIGRA Convention**

**Proposals for special tracks/tutorials/demos  
can be sent in by May 30<sup>th</sup> 2011**

# NOTES



# eurosis

EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project driven instead of driven by pure membership and conferences.

The aim of EUROSIS is to set up topic related Technical Committees which will link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC.

If you would like to receive more information about EUROSIS, please contact

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