

Preface	IX
Scientific Programme	1
Author Listing	113

GAME DESIGN METHODOLOGY

Building Successful Games: A Complete Analysis of the Key Features of League of Legends

Gabriel B. S. M. Moreira, Matheus M. Ramalho, Victor R. Costa, Matheus F.O. Baffa, Leticia G.G. Ribeiro, Alex F. V. Machado and Leandro M. Borges.....	5
--	----------

Communication verses Computation: A Survey of Cloud Gaming Approaches

Robert J. Grigg and René Hexel	10
--------------------------------------	-----------

Connecting Company and Consumer Expectations in Game Design: A Food Sector Case

Tuomas Ranti, Henna Syrjälä, Tapani N. Joellson, Tuomas Mäkilä, Kaapo Seppälä, Saara Lundén, Mari Sandell and Harri T. Luomala.....	26
---	-----------

Co-Designing a Game Based Learning Platform for Active Ageing: The Case of “Jump”

Liliana Vale Costa and Ana Isabel Veloso	31
--	-----------

GAME DESIGN AND GAMIFICATION

To Gamify or not to Gamify? Analyzing the Effect of Game Elements to foster Progression and Social Connectedness

Md Sanaul Haque, Daire O’Broin and Joseph Kehoe	43
---	-----------

The Formation of Studying Habits in Third Level Students through the Use of Gamification

Gavin Clarke, Joseph Kehoe and Daire O’Broin	51
--	-----------

GAME AI

HAIFU (Hybrid Artificial Intelligence for UNITY)

Juan Luis Berenguel Forte and José Antonio Piedra Fernández.....	57
--	-----------

CONTENTS

An Evaluation of Fast Multi-Layer Perceptron Training Techniques for Games

David G. Robertson62

Procedural Play Generation According to Play Arcs Using Monte-Carlo Tree Search

Suguru Ito, Makoto Ishihara, Marco Tamassia, Tomohiro Harada, Ruck Thawonmas and Fabio Zambetta67

GAME VR

Interactive Educational Contents Development Framework and its Extension for Web Based VR/AR Applications

Yoshihiro Okada, Kosuke Kaneko and Ari Tanizawa75

An Experiment Design: Investigating VR Locomotion & Virtual Object Interaction Mechanics

Daniel P. O. Wiedemann, Peter Passmore and Magnus Moar80

GAME CHARACTERS

Believability Assessment for Fighting Game AI

Mola Bogdan Georgyy, Maxim Mozgovoy, Toru Ito and Tatsuhiro Rikimaru87

Affect and Believability in Game Characters – A review of the Use of Affective Computing in Games

Salma Hamdy and David King90

SERIOUS GAMING

Global Strategy Game: A Serious Game for Teaching International Business

Martin Prause and Juergen Weigand.....101

Leveraging Personalised Feedback as a Motivation Tool in Active Games

Joseph O’Connell and Colm O’Riordan106