

Preface	IX
Scientific Programme	1
Author Listing	125

INVITED PRESENTATIONS

Facial Cloning for Online Interactive Systems Mingcai Zhou, Yangsheng Wang, Zhijun Du and Zhiyuan Luo	5
Modelling Rich Characters in Interactive Narrative Game Mei Si and Stacy C.Marsella	12

TECHNOLOGY OVERVIEW

The All-Round Maturity and Application of CG Technology in Digital Entertainment Zhiyi Zhang	21
--	-----------

GAMER BEHAVIOUR AND CLASSIFICATION

Explorations in Player Motivations: Game Mods Barbaros Bostan and Ugur Kaplanali	29
The Challenge of Believability in Video Games: Definitions, Agents Models and Imitation Learning Fabien Tence, Cedric Buche, Pierre De Loor and Olivier Marc	38
Determination of Initial Hidden Markov Models with Feature Mapping: An Application to MMOG Player Classification Ruck Thawonmas	46

GAME DESIGN

Creative Technology - The CTSG Game Design in 7 Steps Anton Eliëns	53
Interactive Space(s)- The CTSG: bridging the Real and Virtual Anton Eliëns	58
Full Life-Cycle automatic Animation Generation of Chinese Traditional Architecture Songmao Zhang and Kai Sun	63

CONTENTS

Priority-Based Level of Detail Approach for Animation Interpolation of Articulated Objects

Antoine Abi Chakra and Xin Li69

Elements of a Chinese Language Game

Anton Eliëns.....77

COMPLEX SYSTEMS SIMULATION

Analysis of Complex Systems Modelling

Renate Sitte83

Optical Flow Modeling: Application to Navigation of a Fixed Wing MAV in a 3-Way Junction

Mahdi Rezaei and Fariborz Saghafi.....89

Towards Fine-grained Spatial Partition for Wildfire Simulation

Song Guo and Xiaolin Hu.....94

TRANSPORT SIMULATION

Strategic Transport Decision-Making: The SIMDEC Approach based on Risk Simulation and Multi-Criteria Analysis

Steen Leleur, Luise Augusta Larsen and Britt Zoëga Skougaard105

Simulation of a Health Care Knowledge-based System with RFID-generated Information

Yannick Meiller, Sylvain Bureau, Wei Zhou and Selwyn Piramuthu.....110

Modeling Urban Services Usage with Social Insect Algorithms

Rawan Ghnemat, Cyrille Bertelle and Gerard H.E. Duchamp.....115