

Table of Contents

Coupling Agents and Game Engines

HLA Proxy: Towards Connecting Agents to Virtual Environments by Means of High Level Architecture (HLA)	1
<i>Tomas Plch, Tomas Jedlička, and Cyril Brom</i>	
Decoupling Cognitive Agents and Virtual Environments	17
<i>Jeehang Lee, Vincent Baines, and Julian Padget</i>	
Agent Communication for Believable Human-Like Interactions between Virtual Characters	37
<i>Joost van Oijen and Frank Dignum</i>	

Using Games with Agents for Education

Using Agents in Virtual Environments to Assist Controllers to Manage Multiple Assets	55
<i>Martin D. Beer, Lyuba Alboul, Emma Norling, and Peter Wallis</i>	
A Collaborative Agent Architecture with Human-Agent Communication Model	70
<i>Nader Hanna and Deborah Richards</i>	
Improving Agent Team Performance through Helper Agents	89
<i>Marie D. Manner and Maria Gini</i>	

Visualisation and Simulation

Visualisation on Demand for Agent-Based Simulation	106
<i>Athanasia Louloudi and Franziska Klügl</i>	
A Cognitive Module in a Decision-Making Architecture for Agents in Urban Simulations	120
<i>Quentin Reynaud, Etienne de Sevin, Jean-Yves Donnart, and Vincent Corruble</i>	

Evaluating Games with Agents

Improving Situation Awareness in Intelligent Virtual Agents	134
<i>Surangika Ranathunga and Stephen Cranefield</i>	

Generating Corpora of Activities of Daily Living and towards
Measuring the Corpora’s Complexity 149
 Rudolf Kadlec, Michal Čermák, Zdeněk Behan, and Cyril Brom

Does High-Level Behavior Specification Tool Make Production of
Virtual Agent Behaviors Better? 167
 Jakub Gemrot, Zdeněk Hlávka, and Cyril Brom

Author Index 185