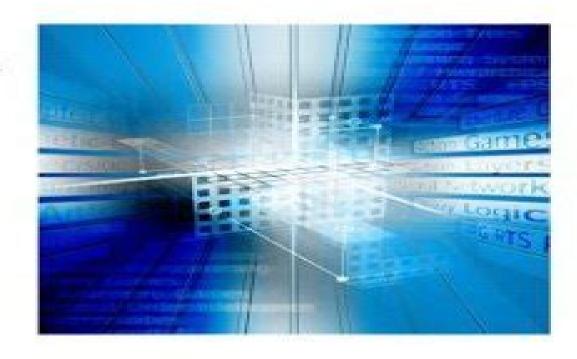
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Soo, 2012-07-20 This book consists mainly of revised papers that were presented at the Agents for Educational Games and Simulation AEGS workshop held on May 2 2011 as part of the Autonomous Agents and MultiAgent Systems AAMAS conference in Taipei Taiwan The 12 full papers presented were carefully reviewed and selected from various submissions The papers are organized topical sections on middleware applications dialogues and learning adaption and convergence and agent applications Serious Games and Edutainment Applications Minhua Ma, Andreas Oikonomou, Lakhmi C. Jain, 2011-12-10 The recent re emergence of serious games as a branch of video games and as a promising frontier of education has introduced the concept of games designed for a serious purpose other than pure entertainment To date the major applications of serious games include education and training engineering medicine and healthcare military applications city planning production crisis response to name just a few If utilised alongside or combined with conventional training and educational approaches serious games could provide a more powerful means of knowledge transfer in almost every application domain Serious Games and Edutainment Applications offers an insightful introduction to the development and applications of games technologies in educational settings It includes cutting edge academic research and industry updates that will inform readers of current and future advances in the area The book is suitable for both researchers and educators who are interested in using games for educational purposes as well as game professionals requiring a thorough understanding of issues involved in the application of video games technology into educational settings It is also applicable to programmers game artists and management contemplating or involved in the development of serious games for educational or training purposes Advancing Artificial Intelligence through Biological Process Applications Porto Pazos, Ana B., Pazos Sierra, Alejandro, Buño Buceta, Washington, 2008-07-31 As science continues to advance researchers are continually gaining new insights into the way living beings behave and function and into the composition of the smallest molecules Most of these biological processes have been imitated by many scientific disciplines with the purpose of trying to solve different problems one of which is artificial intelligence Advancing Artificial Intelligence through Biological Process Applications presents recent advances in the study of certain biological processes related to information processing that are applied to artificial intelligence Describing the benefits of recently discovered and existing techniques to adaptive artificial intelligence and biology this book will be a highly valued addition to libraries in the neuroscience molecular biology and behavioral science Game Engine Gems, Volume One Eric Lengyel, 2010-03-05 spheres

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