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Multiple Agents Based on Bearing-Only Observation.- Echo State Networks for Feature Selection in Affective Computing.- Performance Investigation on Binary Particle Swarm Optimization for Global Optimization´ -- Contracts for Difference and Risk Management in Multi-agent Energy Markets.- Why Are Contemporary Political Revolutions Leaderless? An Agent-Based Explanation.- Time Machine: Projecting the Digital Assets onto the Future Simulation Environment. - From Goods to Traffic: First Steps Toward an Auction-Based Traffic Signal Controller.- Social Emotional Model.- AgentDrive: Towards an Agent-Based Coordination of Intelligent Cars.- Multi-agent Based Flexible Deployment of Context Management in Ambient Intelligence Applications.- Multi-agent Multi-model Simulation of Smart Grids in the MS4SG Project.- iaBastos: An Intelligent Marketplace for Agricultural Products.- TrafficGen: A Flexible Tool for Informing Agent-Based Traffic Simulations with Open Data.- Distributed Analytical Search -- Situated Regulation on a Crisis Management Collaboration Platform.- Demo Paper: AGADE Using Communities of Agents to Provide Realistic Feedback in Business Simulations -- BactoSim – An Individual-Based Simulation Environment for Bacterial Conjugation.- A Multimodal City Street and Entertainment Guide for Android Mobile Devices.- EXPLAIN_MAS: An Agent Behavior Explanation System.- A Fully Integrated Development Environment for Agent-Oriented Programming.- Can Social Media Substitute Revolutionary Leaders? An Agent-Based Demonstration -- Simulating the Optimization of Energy Consumption in Homes -- First Steps Toward an Auction-Based Traffic Signal Controller.-Addressing Long-Term Digital Preservation Through Computational Intelligence.- Representing Social Emotions in MAS. - Developing Agent-Based Driver Assistance Systems Using AgentDrive -- Demonstration of Realistic Multi-agent Scenario Generator for Electricity Markets Simulation.- Smart Grids Simulation with MECSYCO.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 13th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS 2015, held in Salamanca, Spain, in June 2015. The 10 revised full papers and 9 short papers were carefully reviewed and selected from 48 submissions are presented together with 17 demonstrations. The articles report on the application and validation of agent-based models, methods and technologies in a number of key application areas, including: agents and the energy grid, agents and the traffic grid, affective computing and agent development, ambient and contextual agents, social simulation and social networks and other agent-based applications. |