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Altri autori (Persone)	GiniMaria
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Nota di contenuto	Cover; Title page; Preface; IAS-7 Conference Organization; Contents; Reactive Reflex based Control for a Four-Legged Walking Machine; Smooth Task Switching through Behaviour Competition; Application of Mobile Code to Development of Cooperative Multirobot Systems; OccuBot VI - An Intelligent Robot System for Seat Testing Applications; Biological Inspired Walking Machines; Concept for Human Robot Co-operation Integrating Artificial Haptic Perception; Probabilistic, On-line Construction of Memories; Exploiting Multi-Robot Geometry for Efficient Randomized Motion Planning Visual Navigation Outdoors: The Argos Project Automatic Color Landmark Detection and Retrieval for Robot Navigation; Biomimetic Actuators - The Need for and Use of 'Soft' Actuators; Automated Laser-Based Profiler for Sewer Inspection; Application of Vision in Simultaneous Localization & Mapping; Robots in Formation Using Local Information; Emergence of Bipedal Locomotion Using a Polymorphic CPG Circuit; Control of the Pneumatic Muscle Driven Walking Machine Airbug; Fusing Ladar and Color Image Information for Mobile Robot Feature Detection and Tracking

An Integrated Connectionist Approach to Reinforcement Learning for Robotic Control; Extension to Three Dimensions Biologically Inspired Visual Odometer for Navigation of a Flying Robot; CPG Model for Autonomous Decentralized Multi-Legged Robot System; Interactive Evolutionary Computation for Real Robot from a Viewpoint of Observation; A Study on Low-Invasive Measurement System from Motor and Somato-Sensory Cortex of Rat for Prosthetic Application; Modular Fuzzy-Reinforcement Learning in Multi-Agent Systems; Finding Sub-Optimal Policies Faster in Multi-Agent Systems: FQ-Learning Autonomous Behavior of Collective Block Agents A Biomimetic Approach towards Autonomous Real World Robots; Towards an Optimal Scoring Policy for Simulated Soccer Agents; A Reactive Path-Planner Using Multilayered Cellular Automata; 3D Motion Recovery while Zooming Using Active Contours; SHAPE: Simulated Heterogeneous Agent Planning of an Environment; Resource Scheduling and Load Balancing in Distributed Robotic Control Systems; Cooperation between Omnidirectional Vision Agents and Perspective Vision Agents for Mobile Robots; Synthesis of Supervision Policies for Robust Sensory-Motor Behaviors
Memory Registers Optimization in Stochastic Functional Self-Organized Sorting Performed by a Team of Autonomous Mobile Agents An Architecture for Robot Learning; Progress in Pheromone Robotics; Autominder: A Planning, Monitoring, and Reminding Assistive Agent; Online Execution Control Checking for Autonomous Systems; Evaluation of Control Strategies for Multi-Robot Search and Retrieval; Towards Distributed and Dynamic Task Reallocation; Cognition and Periodic Control of Autonomous Robot Using Net-List Evolution Real-Time Obstacle Avoidance by an Autonomous Mobile Robot using an Active Vision Sensor and a Vertically Emitted Laser Slit

Sommario/riassunto

The goal of the Seventh International Conference on Intelligent Autonomous Systems (IAS-7) was to exchange and stimulate research ideas that make future robots and systems more intelligent and autonomous. This volume of proceedings contains 71 technical papers by authors from 15 countries.
