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Nota di contenuto	Invited Presentation -- A Personalizable Agent for Semantic Taxonomy-Based Web Search -- Adaptation and Learning -- AlphaWolf: Social Learning, Emotion and Development in Autonomous Virtual Agents -- Control and Behavior of a Massive Multi-agent System -- Developing Agents Populations with Ethogenetics -- Distributed Coordination of Resources via Wasp-Like Agents -- Homo Equalis Reinforcement Learning Agents for Load Balancing -- Experimental Swarm Design -- Learning in the Broker Agent -- Agent-Based Software Engineering -- The CoABS Grid -- Agent Based Approach to Service Description and Composition -- Intelligent Software Agents Technology at the Air Force

Research Laboratory -- Testing and Monitoring Intelligent Agents --
 Wireless Agents in Ad Hoc Networks -- Towards Complex Team
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 Systems -- Poster Presentations -- Agents with Several Bodies --
 Automatic Code Writing Agent -- The Agentcities Initiative: Connecting
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 Person Perception for Social Agents: Research on Outfitting Social
 Agents with a Facial Trait Perception System -- Adapting Agent
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 Evolution of Agent Architectures -- Panel Discussion on Ontologies.

Sommario/riassunto

This collection represents the proceedings of the 1st GSFC/JPL Workshop on Radical Agent Concepts (WRAC), which was held on 16–18 January, 2002 at the Science Applications International Corporation (SAIC) Conference Center in McLean, VA, USA. Over the past few years, agent technology has emerged as a powerful force in computing. Agent technology may well form the foundation for the next generation of computing systems. New and innovative agent concepts and techniques may bring further developments to this exploding area of research. Such work is often strongly inspired by theoretical or empirical studies of human behavior, social intelligence, psychology, arts, biology, computer science and philosophy.

This workshop aimed at bringing together, in an interdisciplinary event, original thinkers, practitioners and academics with an interest in radical (very - novel) concepts for agent-based systems. The workshop provided a forum to present the latest research findings in many aspects of agent technology. The organizers welcomed participation by those working in agent architectures, agent communities, agent communications, agent modeling, agent applications and other agent-related areas. We were particularly seeking papers on novel and innovative ideas, pushing the envelope of current agent technology. Contributions without a prototype or working system, i.e., purely conceptual contributions, were welcomed, and "out-of-the-box" thinkers were especially encouraged to participate. The workshop was structured so as to allow the participants adequate time for discussion and interaction, to exchange ideas and reflect on the motivations, scientific grounds and practical consequences of the concepts presented.

