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Nota di contenuto Invited Talks -- Swarms of Self-assembling Robots -- Complex Systems and Agent-Oriented Software Engineering -- Engineering Self-organizing Applications -- A Characterization of Key Properties of Environment-Mediated Multiagent Systems -- Toward Systemic MAS Development: Enforcing Decentralized Self–organization by Composition and Refinement of Archetype Dynamics -- Engineering Systems Which Generate Emergent Functionalities -- Engineering Autonomic Electronic Institutions -- Stigmergic Interaction -- Prediction Horizons in Agent Models -- Combining Interface Agents and Situated Agents for Deploying Adaptive Web Applications -- Modeling and Structuring Mediating Environments -- Situating Cognitive Agents in GOLEM -- Modeling Agent-Environment Interactions in Adaptive MAS -- DECIDE: Applying Multi-agent Design and Decision Logic to a Baggage Handling System -- Environment-Based Support for Context and Organizations -- Managing Agent

Interactions with Context-Driven Dynamic Organizations -- Modeling and Design of an Agent-Based Micro-simulation of the Swiss Highway Network -- Environment Support to the Management of Context Awareness Information -- Engineering Contextual Information for Pervasive Multiagent Systems -- Engineering Business Ecosystems Using Environment-Mediated Interactions -- Experimenting with Language Support for Proximity in Ambient-Oriented Programming -- Environment-Supported Roles to Develop Complex Systems.

Sommario/riassunto	This book constitutes the thoroughly refereed proceedings of the International Workshop on Engineering Environment-Mediated Multi-Agent Systems, EEMMAS 2007, held in Dresden, Germany, in October 2007, in conjunction with ECCS 2007, the European Conference on Complex Systems The volume includes 16 thoroughly revised papers, selected from the lectures given at the workshop, together with 2 papers resulting from invited talks by prominent researchers in the field. The papers are organized in sections on engineering self-organizing applications, stigmergic interaction, modeling and structuring mediating environments, and environment-based support for context and organizations.