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Simulation Model for the Dynamic Allocation of Network Resources in a Competitive Wireless Scenario -- An Adaptive Call Admission Control to Support Mobility in Next Generation Wireless Network -- Protecting Mobile Agent Loops -- ContextWare Support for Network and Service Composition and Self-adaptation -- Fixed Mobile Convergence: 3 Words, Many Perspectives -- Analysis of Movement Detection Process for IPv6 Mobile Nodes -- A Dynamic Resource Allocation Scheme for Providing QoS in Packet-Switched Cellular Networks -- Distributed Authorization Framework for Mobile Agents -- Adaptive Content for the Mobile User: A Policy-Based Approach -- An Authorisation and Privacy Framework for Context-Aware Networks -- Widget Integration Framework for Context-Aware Middleware -- Service Deployment in Active Networks Based on a P2P System -- Mobile Agents for Testing Web Services in Next Generation Networks -- A Secure Protocol for Mobile Agents in Hostile Environment -- A Cross-Layer Approach for Publish/Subscribe in Mobile Ad Hoc Networks -- Towards Ambient Networks Management -- A Context-Aware Negotiation Model for M-Commerce -- Collection and Object Synchronization Based on Context Information -- Facilitating Context-Awareness Through Hardware Personalization Devices: The Simplicity Device -- Network Access Security Management (NASM) Model for Next Generation Mobile Telecommunication Networks -- Management of Aggregation Networks for Broadband Internet Access in Fast Moving Trains -- Design and Implementation of an Open IMS Core -- Mobility-Aware Coordination in a WLAN Hot-Spot Area -- Application-Independent Session Mobility Between User Terminals -- Using Multiple Communication Channels in a Mobile Agent Platform -- Challenges in Modelling and Using Quality of Context (QoC) -- Secure and Scalable Routing Protocol for Mobile Ad-Hoc Networks -- RAPOSI: Rapidly Installable Positioning System for Indoor Environments -- Integrating a New Mobility Service into the Jade Agent Toolkit -- A New Protocol for Protecting a Mobile Agent Using a Reference Clone -- A Novel Approach Towards Autonomic Management in Context-Aware Communication Systems -- Abstraction for Privacy in Context-Aware Environments -- A Probabilistic Heuristic for Conflict Detection in Policy Based Management of Diffserv Networks -- LEA2C: Low Energy Adaptive Connectionist Clustering for Wireless Sensor Networks.

| Sommario/riassunto | The beginning of the twenty-first century is characterized by global markets, and the mobility of people is becoming an important fact of life. Consequently, the mobile user is demanding appropriate technical solutions to make use of customized information and communication services. In this context the notion of next-generation networks (NGNs), which are driven by the convergence of the entertainment sector, the mobile Internet, and fixed/mobile telecommunications, is emerging. Such NGNs are aggregating a variety of different access networks and supporting the seamless connection of an open set of end-user devices, and due to the adoption of an all-IP network paradigm they enable a much better integration of voice and data services. Coincidently the buzzword 'fixed mobile convergence' (FMC) describes the current trend towards providing common services across fixed and mobile networks resulting in the medium term in the full integration of fixed and mobile telecommunication networks. The adoption of appropriate middleware technologies and the provision of - called service delivery platforms driven by the ongoing innovation in the field of information technologies provides today the technical foundation for supporting terminal, personal and service mobility and thus the implementation of real seamless information and communication services. Furthermore, users are nowadays looking, in |

light of an omnipresent service environment, for a much higher degree of customization and context awareness in the services they use. The papers in this volume look at these enabling mobility-aware technologies and their use for implementing mobility-aware and context-aware applications.