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Soggetti	Computer communication systems Software engineering Electrical engineering Computers Management information systems Computer science Computer Communication Networks Software Engineering Communications Engineering, Networks Information Systems and Communication Service Management of Computing and Information Systems
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Nota di contenuto	Video on Demand in an integrated IN/B-ISDN scenario -- TINA Computational Modelling Concepts and Object Definition Language -- Network Resource Adaptation in the DOLMEN Service Machine -- A TINA based prototype for a multimedia multiparty mobility service -- Architecture of Multimedia service interworking for heterogeneous multi-carrier ATM network -- Use of WWW Technology for Client/Server Applications in MULTIMEDIATOR -- An experimental open architecture to support multimedia services based on CORBA, Java and WWW Technologies -- DAVIC and the internet convergence: A convergence

architecture using WWW, JAVA, and CORBA -- Intelligent ATM networks: Services and realisation alternatives -- Goal-based filtering of service interactions -- Intelligent Networks planning supported by Software Tools -- Adopting object oriented analysis for telecommunications systems development -- OSAM component model -- Extending OMG event service for integrating distributed multimedia components -- STDL as a high-level interoperability concept for distributed transaction processing systems -- JAE: A multi-agent system with internet services access -- Motivation and requirements for the AgentSpace: A framework for developing agent programming systems -- Proposal for an IN switching state model in an integrated IN/B-ISDN scenario -- Harmonisation/Integration of B-ISDN and IN: EURESCOM project P506 -- Intelligent network evolution for supporting mobility -- A generic service order handling interface for the cooperative Service Providers in the deregulating and competitive telecommunications environment -- From IN toward TINA — Potential migration steps -- ROS-to-CORBA mappings: First step towards intelligent networking using CORBA -- A methodology for developing integrated multi-domain service management systems -- Towards harmonised pan-European TMN customer care solutions: Interoperable trouble ticketing management service -- Implementing TMN-like management services in a TINA compliant architecture: A case study on resource configuration management -- TMN specifications to support inter-domain exchange of accounting, billing and charging information -- Inter-domain integration of services and service management -- Domain interoperability for federated connectivity management -- Towards integrated network management for ATM and SDH networks supporting a global broadband connectivity management service -- QoS-based routing solutions for hybrid SDH-ATM networks -- Static vs. dynamic CMIP/SNMP network management using CORBA -- SNMP and TMN: Aspects of migration and integration -- Managed objects as active objects: A multithreaded approach -- Internet — New inspiration for telecommunications management network -- Towards global multimedia mobility -- GSM evolution to an IN platform: Offering GSM mobility as an IN service -- Integration of mobility functions into an open service architecture: The DOLMEN approach -- Consistency issues in the UMTS distributed database -- A security architecture for TMN inter-domain management -- Maintaining integrity in the context of intelligent networks and services -- User authentication in mobile telecommunication environments using voice biometrics and smartcards -- End user acceptance of security technology for electronic commerce -- Personalized hypermedia information provision through adaptive and adaptable system features: User modelling, privacy and security issues -- VRML: Adding 3D to network management.

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## Sommario/riassunto

Intelligence in Services and Networks focuses on exploring how best the inherent intelligence in networks may be employed and enhanced to provide, firstly, flexibility and open competition in the provision of communications-based services and, secondly, the means for managing and administering end-to-end communication systems that span many independent network operators and service providers. The emphasis in this area of research is on applying the best techniques for system specification and corresponding software development, as a basis for the creation of open platforms, and subsequent standardisation. Resolving this issue is key to the successful deployment of advanced communications in the deregulated and highly competitive environment that will underpin any further "information society".

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