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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3283
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Soggetti	Computer communication systems Application software Multimedia information systems Information storage and retrieval Artificial intelligence Computer Communication Networks Information Systems Applications (incl. Internet) Multimedia Information Systems Information Storage and Retrieval Artificial Intelligence
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Keynote Speech -- Intelligence in Communication Systems Evolution, Trends and Business Opportunities -- Intelligent Routers and Smart Protocols -- Conversational Knowledge Process for Social Intelligence Design -- Triple-Space Computing: Semantic Web Services Based on Persistent Publication of Information -- Mobility and Intelligence in Telecom: How and Where to Handle It? -- QoS and Security -- Trust Negotiation with Nonmonotonic Access Policies -- Secure Many-to-One Transmission of q-ary Symbols -- Efficiency Evaluation for Key Distribution Models in Satellite Terminals -- Intelligent Communication System with NLP -- Speed Compensation for Improving Thai Spelling Recognition with a Continuous Speech Corpus -- Part-of-Speech

Tagging Without Training -- Context Adaptive Interaction with an Automatically Created Spoken Interface for Intelligent Environments -- QoS -- Efficient Resource Allocation for IEEE 802.15.3(a) Ad Hoc Networks -- Intelligent Features Within the J-Sim Simulation Environment -- Design Principles of a QoS-Oriented Transport Protocol -- Location and Context Aware Services -- Inferring Presence in a Context-Aware Instant Messaging System -- An Implementation of Indoor Location Detection Systems Based on Identifying Codes -- Just-in-Time Delivery of Events in Event Notification Service Systems for Mobile Users -- Protocol and Application Architecture -- Adapting Email Functionality for Mobile Terminals -- Design Architecture and Model of MDVM System -- About the Heterogeneity of Web Prefetching Performance Key Metrics -- Semantic Web and Service Architecture -- A Semantic Service Orientated Architecture for the Telecommunications Industry -- On Using WS-Policy, Ontology, and Rule Reasoning to Discover Web Services -- Preserving Referential Constraints in XML Document Association Relationship Update -- Adaptability Architecture -- ASMA: An Active Architecture for Dynamic Service Deployment -- An XML-Based Framework for Dynamic Service Management -- Flexible Middleware Support for Future Mobile Services and Their Context-Aware Adaptation -- Network and Mobility Management -- A Breadth-First Algorithm for Mining Frequent Patterns from Event Logs -- Management Information and Model of GSMP Network Open Interface -- Towards Service Continuity for Generic Mobile Services.

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## Sommario/riassunto

The 2004 IFIP International Conference on Intelligence in Communication Systems (INTELLCOMM2004), held in Bangkok, Thailand, 23–26 November 2004, was the successor and an expansion of SMARTNET, a series of annual conferences on intelligence in networks held during 1995–2003 under the auspices of IFIP TC6's Working Group 6.7. The Internet and Web provide more connection facilities, hence the man-man, man-machine and machine-machine interactions will increase and communication will have an important role in modern systems. In order to obtain effective and efficient communication, artistic, social and technical issues have to be tackled in a holistic and integrated manner. However, communication techniques, concepts and solutions which have been developed so far treat these issues separately, so that there arises a need for communication researchers and practitioners in different fields (engineering, science and arts) to meet, share their experience and explore all possibilities of developing integrated and advanced solutions which incorporate ideas from such disciplines as communication arts, art design, linguistics, Web technologies, computer system architecture and protocols, computer science and artificial intelligence. INTELLCOMM 2004 was jointly sponsored by IFIP WG 6.7: Smart Networks and WG 6.4: Internet Applications Engineering and aimed to provide an international forum which brings academia, researchers, practitioners and service providers together. The discussion areas covered the latest research topics and advanced technological solutions in the area of intelligence in communication systems, ranging from architectures for adaptable networks/services and Semantic Web/Web service technologies to intelligent service application interface and intelligent human interaction. INTELLCOMM 2004 received 112 paper submissions from 28 countries. From these, 24 were accepted, and are included in this proceedings. There were also 3 papers accepted for poster presentation, published separately.

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