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Nota di contenuto	A New Survival Architecture for Network Processors -- Mean Time to Unsafe Failure -- Performance of Antenna Arrays with Reverse-Link Synchronous Transmission Technique for DS-CDMA System in Multipath Fading Channels -- A Noble Routing Algorithm for the Internet Computational GRID -- A Genetic Routing Algorithm for a 2D—Meshed Fault—Tolerant Network System -- Allowable Propagation Delay for VoIP Calls of Acceptable Quality -- Robustness of a Neighbor Selection Markov Chain in Prefetching Tiled Web Data -- QoS Signaling for Parameterized Traffic in IEEE 802.11e Wireless LANs -- Content-

Adaptive Request Distribution Strategy for Internet Server Cluster -- A New DSP Architecture for Correcting Errors Using Viterbi Algorithm -- An Adapting Weight Rerouting Algorithm for Handoff Control in Wireless ATM Networks -- Optimal Buffering Strategy for Streaming Service in Time Varying Wireless Environment -- Optimum Ship Routing and It's Implementation on the Web -- Development of a Residential Gateway and a Service Server for Home Automation -- Performance of Multiple TCM Codes with Transmit Antenna Diversity -- On the Study of MAC Layer for cdma2000 Wireless Packet Data Service -- Increasing the Testability of Object-Oriented Frameworks with Built-in Tests -- Guaranteeing the Continuous Stream Service in Cluster Media Servers -- A SOAP-Based Framework for the Internetworked Distributed Control Systems -- An Efficient On-Line Monitoring BIST for Remote Service System -- TCP Performance Enhancement Using FG—LIW (Fairness Guaranteed — Larger Initial Window) Scheme in the Wired—cum—Wireless Network Environment -- A Comparative Study on the Performance of Detectors and Interference Models for OCDMA LANs -- A Tool Measuring Operating System Supports for Squid Proxy Cache -- The Design and Implementation of an Object-Oriented Process Control Loop Framework -- A Personal Internet Live-Broadcasting System -- On the Development of an Information Service System for Navigational Safety of Seagoing Vessels -- Optimal Code Weight Selection for 2-D Optical CDMA Systems -- Robust Character Image Retrieval Method Using Bipartite Matching and Pseudo-bipartite Matching.

Sommario/riassunto

The rapid growth of the Internet and related services is changing the way we work, act, and even think in a manner that far exceeds the prediction set by ?eld experts not long ago. It is now common belief that the Internet and its various applications covering both hardware appliances and software products will play an increasingly important role in everybody's daily lives. It is also our strong belief that the importance of the collaborative research and development e?orts focusing on the Internet among academia, industry, and regulating government bodies cannot be overemphasized. It is our great pleasure to hold the First International Workshop on - vanced Internet Services and Applications (AISA) 2002. The workshop is aimed to provide an international forum to share new ideas and research results in the area of the list of workshop topics. Under the main theme "Advances in Internet Services and Applications", the workshop topics include QoS architecture, reliability, security, web acceleration, reverse/proxy caching schemes, content delivery network, distributed/fault-tolerant architecture, storage/backup so- tions, media and streaming server, switching technology, and home networking. We have solicited papers on these topics and attracted paper submissions from technically renowned organizations.