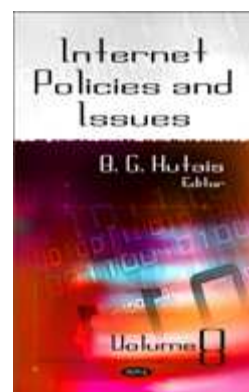


Editors: B.G. Kutais

Book Description:

This book is part of a series exploring the dynamic universe of the Internet in the 21st century. Collected here are papers discussing a wide range of topics and issues impacting and relating to the Internet such as: internet traffic conditioning methods applied to wireless networks; design knowledge management and sharing using XML; FPGA-Based video streaming; internet traffic modeling and an analysis of XOR-based flat routing protocols. (Imprint: Nova Press)



We've partnered with Copyright Clearance Center to make it easy for you to request permissions to reuse Nova content.

For more information, [click here](#) or click the "Get Permission" button below to link directly to this book on Copyright Clearance Center's website.

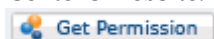


Table of Contents:

Preface

Traffic Conditioners for QoS Assurance, pp. 1-36

(Maria-Dolores Cano, Fernando Cerdan, Miguel-Angel Martinez-Ramirez, Department of Information Technologies and Communications, Polytechnic University of Cartagena, Cartagena, Spain)

Support for Design Knowledge Management and Sharing using XML, pp. 37-67

(Lian Ding, Jason Matthews, Glen Mullineux, Innovative Design and Manufacturing Research Centre (IdMRC), Department of Mechanical Engineering, University of Bath, Bath, United Kingdom)

FPGA Based Video Streaming System for Bi-Network Multicasting Protocols, pp. 69-101

(Omar Elkeelany, Ghulam Chaudhry, Tennessee Technological University, Electrical and Computer Engineering, Cookeville, Tennessee)

Evidence of a Two-Parameter Correlation of Internet Traffic, pp. 103-140

(Ming Li, School of Information Science & Technology, East China Normal University, Shanghai, P.R. of China)

Medical Image Streaming: Dicom & JPEG2000 Story, pp. 141-163

(Dragan Ivetic, Dinu Dragan, Computer and Control Department, Faculty of Technical Sciences, University of Novi Sad, Serbia)

Ontology for Geographic Information Metadata using OWL, pp. 165-184

(Akm Saiful Islam, Michael Piasecki, Bangladesh University of Engineering and Technology (BUET), Institute of Water and Flood Management (IWFM), Dhaka, Bangladesh, and others)

Fuzzy-Controlled Power-Awareness for Mobile Ad Hoc Networks, pp. 185-204

(Anuradha Banerjee, Paramartha Dutta, Kalyani Govt. Engg. College, Kalyani, Nadia, West Bengal, India, and others)

An XML Based Framework Supporting Data Sharing in the Manufacturing Process, pp. 205-227

(G. Andreadis, K.D. Bouzakis, Laboratory for Machine Tools and Manufacturing Engineering, Mechanical Engineering Department, Aristotle University of Thessaloniki, Greece)

XML Retrieval: A Survey, pp. 229-272

(Sukomal Pal, Mandar Mitra, Computer Vision and Pattern Recognition Unit, Indian Statistical Institute, Kolkata, India)

Internet Traffic Shaping in WLANs by Packet Size Control, pp. 273-292

(Tapio Frantti, Mikko Majanen, VTT Technical Research Centre of Finland)

Performance Analysis of XOR-Based Routing Protocols in Vehicular ad hoc Networks, pp. 293-305

(R. Oliveira, A. Garrido, M. Luis, R. Pasquini, L. Bernardo, R. Dinis, P. Pinto, Departamento de Engenharia Electrotecnica, Faculdade de Ciencias e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal, and others)

Analysis of TCP and UDP Performance with Anonymous Routing in MANETs, pp. 307-321

(Marga Nacher, Carlos T. Calafate, Juan-Carlos Cano, Pietro Manzoni, Department of Computer Engineering, Universidad Politecnica de Valencia, Spain)

Index

Series:

Internet Policies and Issues

Binding: Hardcover

Pub. Date: 2011

Pages: 7 x 10 (NBC - R)

ISBN: 978-1-61122-840-3