

TUESDAY, JUNE 28, 2005..... 1

TRACK A – Salon Mar Menor 1

 Session 1: Ad-Hoc Networks I..... 1

 Session 2: Ad-Hoc Networks II 1

 Session 3: IPv6..... 2

TRACK B – Salon Mirador 2

 Session 4: Routing..... 2

 Session 5: Peer-To-Peer I..... 3

 Session 6: Peer-To-Peer II..... 3

TRACK C – Salon Levante 4

 Session 7: System Architecture..... 4

 Session 8: Services in WLAN and in 3G Wireless 4

 Session 9: Streaming Services..... 5

TRACK D – Salon Consejo..... 5

 Session 10: Physical Layers 5

 Session 11: Handovers I..... 6

 Session 12: Handovers II..... 6

WEDNESDAY, JUNE 29, 2005..... 7

TRACK A – Salon Mar Menor 7

 Session 13: Sensor Networks I..... 7

 Session 14: Sensor Networks II 7

 Session 15: Multicast I 8

TRACK B – Salon Mirador 8

 Session 16: Security I..... 8

 Session 17: Security II..... 9

 Session 18: Traffic Engineering and Dimensioning 9

TRACK C – Salon Levante 10

 Session 19: *Optical Communications I*..... 10

 Session 20: *Optical Communications II*..... 10

 Session 21: Mobile Agents..... 11

TRACK D – Salon Consejo..... 11

Session 22: Multimedia 11

Session 23: TCP, Performance Evaluation 12

Session 24: MAC Layer 12

THURSDAY JUNE 30, 2005..... 13

TRACK A – Salon Mar Menor 13

 Session 25: Multicast II..... 13

 Session 26: Multicast III 13

 Session 27: MPLS 14

TRACK B – Salon Mirador 14

 Session 28: CAC/QoS I..... 14

 Session 29: CAC/QoS II 15

 Session 30: Resource Reservation, Allocation, Management..... 15

TRACK C – Salon Levante 16

 Session 31: Packet Processing..... 16

 Session 32: WEB Services 16

 Session 33: Real-Time Services and Applications 16

TRACK D – Salon Consejo..... 17

 Session 34: Telecom policies, Charging 17

 Session 35: Software Implementation, Middleware 17

 Session 36: Computer/OS Architectures..... 18

TUESDAY, JUNE 28, 2005.

TRACK A – Salon Mar Menor

Session 1: Ad-Hoc Networks I

Time: 11:00 –12:45

Session Chair: TBD

Zhanfeng Jia, Rajarshi Gupta, Jean Walrand, and Pravin Varaiya

Bandwidth Guaranteed Routing for Ad-hoc Networks with Interference Consideration

Laith Al-Sulaiman and Hussein Abdel-Wahab

CACMAN: a Framework for Efficient and Highly Available CA Services in MANETs

Carles Gomez, David Garcia, and Josep Paradells

Improving performance of a real ad-hoc network by tuning OLSR parameters

Gaurav Srivastava, Joe F. Chicharo, and Paul Boustead

Power Efficient Connected Topologies in Ad-hoc Networks

François Ingelrest and David Simplot-Ryl

Localized Broadcast Incremental Power Protocol for Wireless Ad Hoc Networks

Session 2: Ad-Hoc Networks II

Time: 14:15 –16:00

Session Chair: TBD

Yacine Rebahi and Vicente Mujica V.

A Reputation-Based Trust Mechanism for Ad Hoc Networks

Paolo Bellavista, Antonio Corradi, and Eugenio Magistretti

Comparing and Evaluating Lightweight Solutions for Replica Dissemination and Retrieval in Dense MANETs

Giuseppe Anastasi, Emilio Ancillotti, Marco Conti, and Andrea Passarella

TPA: A Transport Protocol for Ad hoc Networks

Jiejun Kong, Xiaoyan Hong, M. Y. Sanadidi, and Mario Gerla

Mobility Changes Anonymity: Mobile Ad Hoc Networks Need Efficient Anonymous Routing

Session 3: IPv6

Time: 16:30 –18:00

Session Chair: TBD

Eric Wu, Sathya Narayanan, Greg Daley, and Ahmet Sekercioglu

An analytical study of direct and indirect signaling for Mobile IPv6 in mobile-to-mobile communications

Yi Wang, Shaozhi Ye, and Xing Li

Understanding Current IPv6 Performance: A Measurement Study

Jhon Padilla, Josep Paradells, Monica Huerta, and Xavier Hesselbach-Serra

IntServ6: An approach to support QoS over IPv6 networks

Joan Ruiz Sánchez, Alex Vallejo, and Jaume Abella

IPv6 Conformance and Interoperability Testing

TRACK B – Salon Mirador

Session 4: Routing

Time: 11:00 –12:45

Session Chair: TBD

Enrique Hernandez Orallo and Joan Vila

Efficient QoS Routing for Differentiated Services EF flows

Christoph Reichert, Yuri Glickmann, and Thomas Magedanz

Two Routing Algorithms for Failure Protection in IP Networks

Sajjad Zarifzadeh, Hamed Khanmirza, and Nasser Yazdani

Core Based Multipath Routing in DiffServ Networks

Cheng-Fu Chou, Jia-Jang Su, and Chao-Yu Chen

Straight Line Routing Algorithm for Wireless Sensor Networks

Sudip Misra, and John Oommen

New Algorithms for Maintaining Dynamic All-Pairs Shortest Paths

Session 5: Peer-To-Peer I

Time: 14:15 –16:00

Session Chair: TBD

Jose Cano, Juan Carlos Cano Escriba, Pietro Manzoni, and David Fernandez

On the Design of Spontaneous Networks Using a P2P Approach and Bluetooth

Dhafer Ben Khedher, Roch Gliho, and Rachida Dssouli

Media Handling for Multiparty Sessions in Ad-hoc Peer-to-Peer Networks: A Novel Distributed Approach

Jani Kurhinen and Jarkko Vuori

Information Diffusion in a Single-Hop Mobile Peer-to-Peer Network

Michael Kleis, Eng Keong Lua, and Xiaoming Zhou

Hierarchical Peer-to-Peer Networks using Lightweight SuperPeer Topologies

Session 6: Peer-To-Peer II

Time: 16:30 –18:00

Session Chair: TBD

Renjish Kaleelazhicathu and Heikki Hammainen

Peer-to-peer Content Delivery over Mobile Networks: A Techno-Economic Analysis

Gennaro Cordasco, Luisa Gargano, Mikael Hammar, and Vittorio Scarano

Degree Optimal Deterministic Routing for P2P Systems

Steven Johnstone, Paul Sage, and Peter Milligan

iXChange - A Self-Organising Super Peer Network Model

TRACK C – Salon Levante

Session 7: System Architecture

Time: 11:00 –12:45

Session Chair: TBD

András Kern, Mátyás Martinecz, and Zalan Heszberger

Architecture and Configuration of Broadband Access Networks

F. J. González-Castaño, Felipe Gil-Castiñeira, and Rafael Asorey-Cacheda

Off-the-shelf transparent HomePlug range extension

Bart De Vleeschauwer, Filip De Turck, Bart Dhoedt, and Piet Demeester

Server Placement Algorithms for the Construction of a QoS Enabled Gaming Infrastructure

Christian Sauer, Matthias Gries, and Soeren Sonntag

Modular Reference Implementation of an IP-DSLAM

Sandor SZEKELY and Kis Szabolcs Mate

Benchmarking Symmetrical DSL Modems with different Protocol Stacks

Session 8: Services in WLAN and in 3G

Wireless

Time: 14:15 –16:00

Session Chair: TBD

Toshiya Okabe, Takayuki Shizuno, and Tsutomu Kitamura

Wireless LAN Access Network System for Moving Vehicles

Carlos Calafate, Pietro Manzoni, and Manuel Malumbres

Supporting soft real-time services in MANETs using distributed admission control and IEEE 802.11e technology

Juan Carlos Cano Escriba, Pietro Manzoni, and Chai Keong Toh

First Experiences with Bluetooth and Java in Ubiquitous Computing

Session 9: Streaming Services

Time: 16:30 –18:00

Session Chair: TBD

Miikka Lundan and I. Curcio

Mobile Streaming Services in WCDMA networks

Venkatesha Prasad, Shankar HN, Rohith MV, and Vijay Sathyanarayana

Heuristic Algorithms for Server Allocation in Distributed VoIP Conferencing

Sanaa Sharafeddine and Zaher Dawy

Capacity Assignment for Video Traffic in Multiservice IP Networks with Statistical QoS Guarantees

Guang Yang, Ling-Jyh Chen, Tony Sun, Mario Gerla, and M.Y. Sanadidi

Real-time Streaming over Wireless Links: A Comparative Study

TRACK D – Salon Consejo

Session 10: Physical Layers

Time: 11:00 –12:45

Session Chair: TBD

Gines Domenech-Asensi, Juan Hinojosa, Juan Martinez-Alajarin, and Javier Garrigós

Empirical Model Generations of Microwave Devices Exploiting Linear Regression Models

Javier Garrigós, Juan Hinojosa, Juan Martinez-Alajarin, and Gines Domenech-Asensi

Empirical Model Optimization of Microwave Devices Exploiting Genetic Algorithms

Mahmoud Ismail and Mustafa Matalgah

Outage Probability Analysis in Cellular Systems with Noisy Weibull-Faded Lognormal-Shadowed Links

Kevin Banovic, Esam Abdel-Raheem, and Mohammed Khalid

Hybrid Methods for Blind Adaptive Equalization: New Results and Comparisons

Salim Alkhalwaldeh, Xiaofeng Wang, and Yousef Shayan

Phase-Shift-Based Layered Linear Space-Time Codes

Session 11: Handovers I

Time: 14:15 –16:00

Session Chair: TBD

Eric Njedjou, Franck Lebeugle, Nicolas Montavont, and Thomas Noel

Link Triggers Assisted Optimizations For Mobile IPv4/v6

Evsen Yanmaz, and Ozan Tonguz

Handover Performance of Dynamic Load Balancing Schemes in Cellular Networks

Rami Langer, Samir Tohme, and Gwendal Le Grand

Micro Mobile MPLS: A New Scheme for Micro-Mobility Management in 3G All-IP networks

Jun-Zhao Sun, and Jaakko Sauvola

From Mobility Management to Connectivity Management

Session 12: Handovers II

Time: 16:30 –18:00

Session Chair: TBD

Abolfazl Mehbodniya, and Jalil Chitizadeh

User Location Estimation in Wireless Networks With Application to Vertical Handoff Using Pattern Recognition

Abraham George, and Anup Kumar

M3HN: An Adaptive Protocol for Mobility Management in Multi-hop Heterogeneous Networks

Lila Dimopoulou, Georgios Leoleis, and Iakovos Venieris

Analysis and Evaluation of Layer 2 Assisted Fast Mobile IPv6 Handovers in a WLAN Environment

WEDNESDAY, JUNE 29, 2005.

TRACK A – Salon Mar Menor

Session 13: Sensor Networks I

Time: 11:00 –12:45

Session Chair: TBD

Yong Yuan, Zongkai Yang, and Wenqing Chen

Energy Aware Multi-hop Cooperative MIMO Scheme for Wireless Sensor Network

Ren-Song Ko, and Chih-Chung Lai

Density-Based Routing Mechanism for Sensor Networks

Antoine Gallais, Jean Carle, and David Simplot-Ryl

Area coverage in wireless sensor networks based on surface coverage relay dominating sets

Andrea Kulakov, and Danco Davcev

Distributed data processing in wireless sensor networks based on artificial neural-networks algorithms

Session 14: Sensor Networks II

Time: 14:15 –16:00

Session Chair: TBD

Daniel Macedo, Luiz Correia, Aldri Santos, Antonio A.F. Loureiro, and José Marcos Nogueira

A Pro-Active Routing Protocol for Continuous Data Dissemination Wireless Sensor Networks

Baoxian Zhang and Hussein Mouftah

Efficient Grid-Based Routing in Wireless Multi-Hop Networks

Kuei-Ping Shih and Sheng-Shih Wang

Distributed Direction-based Localization in Wireless Sensor Networks

Ignacio Solis and Katia Obraczka

Isolines: Energy-Efficient Mapping in Sensor Networks

Christopher Nguyen and Anup Kumar

A Throughput and Energy-Aware Medium-Access-Control Protocol for Wireless Sensor Networks

Session 15: Multicast I

Time: 16:30 –18:00

Session Chair: TBD

Guangmin Hu and Rocky Chang

Forwarding State Scalability-Aware Multicast Routing

Chiara Taddia, Alessandra Giovanardi, Gianluca Mazzini, and Michele Zorzi

On the Impact of Distributed Power Control over Multicast Routing Protocols

Huaqun Guo, Lek Heng Ngoh, and Lawrence Wong

A DINloop-based Inter-domain Multicast Using MPLS

Jun-Hong Cui, Li Lao, M. Y. Sanadidi, and Mario Gerla

Dynamic On-line Group-Tree Matching for Large Scale Group Communications: A Performance Study

TRACK B – Salon Mirador

Session 16: Security I

Time: 11:00 –12:45

Session Chair: TBD

Patroklos G. Argyroudis, and Donal O'Mahony

Towards Flexible Authorization Management

BR Cha, Binod Vaidya, and Seungjo Han

Anomaly Intrusion Detection for System Call using the Soundex Algorithm and Neural Networks

Errin W. Fulp, and Stephen J. Tarsa

Trie-Based Policy Representations for Network Firewalls

Ji Hu, Dirk Cordel, and Christoph Meinel

Virtual Machine Management for Tele-Lab °IT-Security?Server

Session 17: Security II

Time: 14:15 –16:00

Session Chair: TBD

Juan M. Estévez-Tapiador, Pedro García-Teodoro, and Jesús Díaz-Verdejo

Detection of Web-based Attacks through Markovian Protocol Parsing

Ye Wang, and Hussein Abdel-Wahab

A Correlative Context-based Framework for Network Intrusion Detection System

Christos Siaterlis, and Basil Maglaris

Detecting Incoming and Outgoing DDoS Attacks at the Edge using a Single Set of Network Characteristics

Pratima Adusumilli, and Xukai Zou

KTDCM-SDC: A Distributed Conference Key Management Scheme for Secure Dynamic Conferencing

Angel Martin del Rey

Design of a Cryptosystem Based on Reversible Memory Cellular Automata

Session 18: Traffic Engineering and Dimensioning

Time: 16:30 –18:00

Session Chair: TBD

Javier Aracil, Daniel Morato, Eduardo Magaña, and Mikel Izal

MinMax Bandwidth Allocation for Time-slotted Systems with Internet Traffic

Marcelo Bagnulo, Alberto García Martínez, Carlos Jesus Bernardos, Isafías Martínez, and Arturo Azcorra

Traffic Engineering in Multihomed Sites

Yong-Jin Lee, and M. Atiquzzaman

Optimal Delay-Constrained Minimum Cost Loop Algorithm for Local Computer Network

Sergey Gorinsky, Anshul Kantawala, and Jonathan Turner

Link Buffer Sizing: a New Look at the Old Problem

TRACK C – Salon Levante

Session 19: Optical Communications I

Time: 11:00 –12:45

Session Chair: TBD

Georgios Papadimitriou, and Amalia Miliou

An Optically Controlled Module for Wavelength Conversion Circuits

Pablo Pavon-Marino, Cristina Lopez-Bravo, Joan Garcia-Haro, and F. J. González-Castaño

Knockout Packet Loss Probability Analysis of SCWP Optical Packet Switching Wavelength Distributed Knockout Architecture

Ming Cai, Luying Zhou, and Mohan Gurusamy

Dynamic Routing of Dependable Connections with Different QoP Grades in WDM Optical Networks

Mustafa Matalgah, and Redha Radaydeh

Power-Efficient Multi-Level Modulation Scheme for High-Speed Optical Communications

Session 20: Optical Communications II

Time: 14:15 –16:00

Session Chair: TBD

Sofia Paredes, and Trevor Hall

Flexible Bandwidth Provision in a Sected Packet Switch with an Optical Core

Amund Kvalbein, Audun Hansen, Tarik Cicic, Stein Gjessing, and Olav Lysne

Fast Recovery from Link Failures using Resilient Routing Layers

Anna Urra, Jose Marzo, Mateu Sbert, and Eusebi Calle Ortega

Estimation of the Probability of Congestion using Monte Carlo method in OPS Networks

Session 21: Mobile Agents

Time: 16:30 –18:00

Session Chair: TBD

Qusay Mahmoud, and Mosaab Daoud

Estimating the Task Route Reliability of Mobile Agent-based Systems using Monte Carlo Simulation

Suphithat Songsiri

A New Approach for Computation Result Protection in the Mobile agent paradigm

Orazio Tomarchio, Mario Bisignano, and Giuseppe Di Modica

A JXTA compliant framework for mobile handheld devices in ad-hoc networks

TRACK D – Salon Consejo

Session 22: Multimedia

Time: 11:00 –12:45

Session Chair: TBD

Sven Hessler, and Michael Welzl

An Empirical Study of the Congestion Response of RealPlayer, Windows MediaPlayer and Quicktime

Tariq Al-Khasib, Hussein Alnuweiri, Hossam Fattah, and Victor Leung

Fair and Efficient Frame-Based Scheduling Algorithm for Multimedia Networks

Abed Elhamid Lawabni, and Ahmed H. Tewfik

Resource Management and Quality Adaptation in Distributed Multimedia Networks

Jan Coppens, Tim Wauters, Filip De Turck, Bart Dhoedt, and Piet Demeester

Evaluation of a Monitoring based Architecture for Delivery of High Quality Multimedia Content

Thomas Mundt

Location Dependent Digital Rights Management

Session 23: TCP, Performance Evaluation

Time: 14:15 –16:00

Session Chair: TBD

Luis Lopez, Antonio Fernandez, and Vicent Cholvi

A Game Theoretic Analysis of Protocols Based on Fountain Codes

Sandor Molnar

On The Effect of The Background Traffic on TCP's Throughput

Andrzej Chydzinski and Ryszard Winiarczyk

Distribution of the First Buffer Overflow Time in a Deterministic Service Time Queue

Christos Bouras and Afrodite Sevasti

Performance enhancement of an AF service using TCP-aware marking and dynamic WRED

Session 24: MAC Layer

Time: 16:30 –18:00

Session Chair: TBD

Arash Shokrani, Jerome Talim, and Ioannis Lambadaris

On Modeling of Fair Rate Calculation in Resilient Packet Rings

Kuei-Ping Shih, Chien-Min Chou, Muying Lu, and Szu-Min Chen

A Distributed Spatial Reuse (DSR) MAC Protocol for IEEE 802.11 Ad-Hoc Wireless LANs

Sebastian Fischmeister

Describing Multidimensional Schedules for Media-Access Control in Time-Triggered Communication

Tiantong You, Chi-Hsiang Yeh, and Hossam Hassanein

DRCE: A High Throughput QoS MAC Protocol for Wireless Ad Hoc Networks

THURSDAY JUNE 30, 2005.

TRACK A – Salon Mar Menor

Session 25: Multicast II

Time: 11:00 –12:45

Session Chair: TBD

Mozafar Bag-Mohammadi, Nasser Yazdani, and Siavash Samadian-Barzoki

On the Efficiency of Explicit Multicast Routing Protocols

Pedro Ruiz, and Antonio Gomez-Skarmeta

Approximating Optimal Multicast Trees in Wireless Multihop Networks

Lucy Cherkasova

Optimizing the Reliable Distribution of Large Files within CDNs

Taghrid Asfour-Block, and A. Serhrouchni

Reliable Multicast over Satellite Networks

J. William Atwood, Omar Banimelhem, and Anjali Agarwal

Deploying Multicast Communication Over MPLS Networks Using Tree Numbering

Session 26: Multicast III

Time: 14:15 –16:00

Session Chair: TBD

George Apostolopoulos and Ioana Ciurea

State Efficient Point-to-Multipoint Trees using MPLS Multicast

Gabriel Maciá, Jesús Díaz-Verdejo, and Juan M. Estévez-Tapiador

PIM-DM Cost Analysis in Loop Free Topologies

Marinho Barcellos and Andre Detsch

Congestion Control with ECN Support in Poll-based Multicast Protocols

Javier Munoz Kirschberg, Marta Solera-Delgado, and Sebastià Sallent Ribes

RCCMP: A TCP-friendly Reliable Multicast Transport Protocol

Session 27: MPLS

Time: 16:30 –18:00

Session Chair: TBD

Bela Berde, Hanine Abdelkrim, Martin Vigoureux, Richard Douville, and Dimitri Papadimitriou

Improving Network Performance through Policy-based Management applied to Generalized Multi-Protocol Label Switching

Fernando Solano Donado, Ramon Fabregat Gesa, Yezid Donoso, and Jose Marzo

A Label Space Reduction Algorithm for P2MP LSPs using Asymmetric Tunnels

Anna Urra, Eusebi Calle Ortega, and Jose Marzo

Enhanced Protection using Shared Segment Backups in a Multiservice GMPLS-based Networks

Mina Amin, Kin-Hon Ho, George Pavlou, and Michael Howarth

Improving Survivability Through Traffic Engineering in MPLS Networks

TRACK B – Salon Mirador

Session 28: CAC/QoS I

Time: 11:00 –12:45

Session Chair: TBD

Polychronis Koutsakis

Scheduling and Call Admission Control for Burst-Error Wireless Channels

Wu-Hsiao Hsu, Cheng-Lin Yang, Li-Yuan Wu, and Chiun-Sheng Hsu

An Integrated Anycast End-to-End QoS Routing on DiffServ Networks

Dario Bruneo, Luca Paladina, Maurizio Paone, and Antonio Puliafito

Call Admission Control in Hierarchical Mobile Networks

Giuseppe Razzano, Hung Tran, and Camilla Cantarella

17 GHz Wireless LAN: Performance Analysis of CAC Algorithms

Ashraf D. Elbayoumy, and Simon J. Shepherd

QoS control using an End-Point CPU capability detector in a secure VoIP system

Session 29: CAC/QoS II

Time: 14:15 –16:00

Session Chair: TBD

Hamed Khanmirza, Sajjad Zarifzadeh, and Naser Yazdani

ADPQ: An Adaptive Approach for Expedited Forwarding Traffic Scheduling

Yuh-Shyan Chen, Keng-Shau Liu, and Yun-Wei Lin

A Credit-Based On-Demand QoS Routing Protocol over Bluetooth WPANs

Hanan Elazhary, Swapna Gokhale, and Reda Ammar

An Efficient QoS Distribution Monitoring Scheme

Qiang Wang, Qing Ye, and Liang Cheng

An Inter-application and Inter-client Priority-based QoS-Proxy Architecture for Heterogeneous Networks

Session 30: Resource Reservation, Allocation, Management

Time: 16:30 –18:00

Session Chair: TBD

Rute Sofia, Roch Guerin, and Pedro Veiga

Enabling Scalable Inter-AS Signaling: a Load Reduction Approach

Maria-Dolores Cano, and Fernando Cerdan

Proportional Bandwidth Distribution in IP Networks implementing the Assured Forwarding PHB

Bushar Yousef, Doan B. Hoang, and Glynn Rogers

Partitioning and Differentiated Resource Allocation in Programmable Networks

TRACK C – Salon Levante

Session 31: Packet Processing

Time: 11:00 –12:45

Session Chair: TBD

Wencheng Lu, and Sartaj Sahni

Packet classification using two-dimensional multibit tries

Michael Kounavis, and Frank Berry

A Systematic Approach to Building High Performance, Software-based, CRC Generators

Rong-Tai Liu, and Nen-Fu Huang

FTSE: The FNP-Like TCAM Searching Engine

Vinod Rajan, and Yul Chu

An Enhanced Dynamic Packet Buffer Management

Session 32: WEB Services

Time: 14:15 –16:00

Session Chair: TBD

Devarshi Chatterjee, and Zahir Tari

A Task-Based Adaptive-TTL Approach for Web Server Load Balancing

Malik Agvemang, Ken Barker, and Rada S. Alhaji

Detecting Web Content Outliers from Web Documents

Luis Cardenas, José Gil, Josep Domènech, Julio Sahuquillo, and Ana Pont

Emulating Web Cache Replacement Algorithms versus a Real System

Session 33: Real-Time Services and Applications

Time: 16:30 –18:00

Session Chair: TBD

Georgios Pallas, Georgios Papadimitriou, and A. S. Pomportsis

A QoS approach to Hybrid TDMA with Heuristic Traffic Shaping for Time Critical Application Environments

Yuan-Cheng Lai

Some Schedulers to Achieve Proportional Junk Rate Differentiation

Panagiotis Papadimitriou, Vassilis Tsaoussidis, and Sofia Tsekeridou

The impact of network and protocol heterogeneity on Real-Time Application QoS

TRACK D – Salon Consejo

Session 34: Telecom policies, Charging

Time: 11:00 –12:45

Session Chair: TBD

Gerardo Chavez

Telecom Deregulation and Fast-changing Broadband Internetworking Technologies: Status, Impacts and Trends in the Mexican Market

David Hoeflin and Mostafa Hashem Sherif

An Integrated Defect Tracking Model for Product Deployment in Telecom Services

Leandro Carvalho, Ana Lima, Edjair Mota, Jose Neuman, and Regeane Aguiar

An E-Model Implementation for Speech Quality Evaluation in VoIP Systems

Vassilis Prevelakis, David Turner, and Angelos Keromytis

The Bandwidth Exchange Architecture

João Paulo Barraca, Susana Sargento, and Rui L. A. Aguiar

The Polynomial-Assisted Ad-hoc Charging Protocol

Session 35: Software Implementation, Middleware

Time: 14:15 –16:00

Session Chair: TBD

Andres Flores and Macario Polo

Dynamic Component Assessment on PvC Environments

Karthik Ramachandra and Hesham Ali

HYDRA: A New Approach for Integrating Various Wireless Environments

Luis Miguel Sanchez, Jose Maria Perez Menor, Felix Garcia Carballeira, Alejandro Calderon, and Jesus Carretero Perez

High Performance Java Input/Output for Heterogeneous Distributed Computing

Pedro Alipio, Solange Lima, and Paulo Carvalho

XML Service Level Specification and Validation

Session 36: Computer/OS Architectures

Time: 16:30 –18:00

Session Chair: TBD

K. Salah

An Analytical Model for Evaluating Interrupt-Driven System Performance of Gigabit Ethernet Hosts with Finite Buffer

Francisco Alfaro-Cortes, José-Luis Sanchez, and Jose Duato

Studying the Influence of the InfiniBand Packet Size to Guarantee QoS

David Valencia, Antonio Plaza, and Pablo Martinez

On the use of cluster computing architectures for implementation of hyperspectral image analysis algorithms

Alaa Amin, Reda Ammar, and Sanguthevar Rajasekaran

Maximizing Reliability while Scheduling Real-time Task-graphs on a Cluster of Computers