



W-FIERRO 2012
July 19-20, 2012
Cartagena, Spain



2nd Workshop “Future Internet: Efficiency in High-Speed Networks”

Time	Thu 19	Fri 20
9:00 - 9:30	Opening	
9:30 - 11:00	Session 1	Session 5
11:00 - 11:30	Coffee break	
11:30 - 12:00	Session 2	Coffee break
12:00 - 13:30		Plenary session
13:30 - 15:00	Lunch	Lunch
15:00 - 17:00	Session 3	
17:00 - 17:30	Coffee break	
17:30 - 19:00	Session 4	
21:00 -	Gala Dinner	

Session 1

Location: “Salón de Grados” (Conference Main Room)

1. *AWG-based Optical Switches Performance using Crosstalk Limiting Schedulers under Uniform*

- D. Fernández Hermida (Universidade de Vigo, Spain)
- M. Rodelgo Lacruz (GRADIANT, Spain)
- A. Bianco (Politecnico di Torino, Italy)
- D. Cuda (Politecnico di Torino, Italy)
- G. Gavilanes Castillo (Istituto Superiore Mario Boella, Italy)
- C. López Bravo (Universidade de Vigo, Spain)
- F.J. González Castaño (Universidade de Vigo, Spain)

2. *Self-similar traffic generation with Perlin Noise and Burst cloning techniques for video over OBS*

- Mikel Izal (Public University of Navarre, Spain)
- Iria Prieto (Public University of Navarre, Spain)
- Félix Espina (Public University of Navarre, Spain)
- Daniel Morató (Public University of Navarre, Spain)
- Eduardo Magaña (Public University of Navarre, Spain)

3. *Optimal Virtual Optical Network (VON) Embedding for Inter-Connecting Data Centers*

- Jordi Perelló (Universitat Politècnica de Catalunya, Spain)
- Pablo Pavón-Mariño (Universidad Politécnica de Cartagena, Spain)
- Salvatore Spadaro (Universitat Politècnica de Catalunya, Spain)

Session 2

Location: “Salón de Grados” (Conference Main Room)

1. *Traffic Analysis in High-Speed Networks: A Research Line for Designing and Modelling Traffic Monitoring Solutions*

- Armando Ferro (University of the Basque Country, Spain)
- Luis Zabala (University of the Basque Country, Spain)
- Alberto Pineda (University of the Basque Country, Spain)
- Iker Blanco (University of the Basque Country, Spain)

2. *A first measurement study of Online Cloud Gaming*

- M. Manzano (University of Girona, Spain)
- J.A. Hernández (Universidad Carlos III de Madrid, Spain)
- M. Urueña (Universidad Carlos III de Madrid, Spain)
- E. Calle (University of Girona, Spain)

3. *Virtual Network Allocation Over Shared Optical Infrastructure*

- Albert Pàges (Universitat Politècnica de Catalunya, Spain)
- Jordi Perelló (Universitat Politècnica de Catalunya, Spain)
- Salvatore Spadaro (Universitat Politècnica de Catalunya, Spain)
- Joan A. García-Espín (i2CAT Foundation, Spain)
- Jordi Ferrer Riera (i2CAT Foundation, Spain)
- Sergi Figuerola (i2CAT Foundation, Spain)

4. *Queuing Discipline in the Head-dropping Policy for OBS/BS with Minimal Packet Misordering*

- Vicente Casares-Giner (Universitat Politècnica de Valencia, Spain)
- Javier Aracil Rico (Universidad Autónoma de Madrid, Spain)

Session 3

Location: “Salón de Grados” (Conference Main Room)

1. *OPNET Modeler and SP Guru Transport Planner: Overview and Utilization by the Optical Communications Group at University of Valladolid*

- Noemí Merayo (University of Valladolid, Spain)
- Ignacio de Miguel (University of Valladolid, Spain)
- Tamara Jiménez (University of Valladolid, Spain)
- Natalia Fernández (University of Valladolid, Spain)
- Ramón J. Durán (University of Valladolid, Spain)
- Juan Carlos Aguado (University of Valladolid, Spain)
- Patricia Fernández (University of Valladolid, Spain)
- Rubén M. Lorenzo (University of Valladolid, Spain)
- Evaristo J. Abril (University of Valladolid, Spain)

2. *Virtual Networks over linux (VNX)*

- David Fernández (Universidad Politécnica de Madrid, Spain)
- Luis Bellido (Universidad Politécnica de Madrid, Spain)
- Javier Ruiz (Universidad Politécnica de Madrid, Spain)
- Omar Walid (Universidad Politécnica de Madrid, Spain)
- Veronica Mateos (Universidad Politécnica de Madrid, Spain)
- Victor Villagra (Universidad Politécnica de Madrid, Spain)

3. *Educational and research-oriented tools for network planning*

- Jose-Luis Izquierdo-Zaragoza (Universidad Politécnica de Cartagena, Spain)
- Pablo Pavon-Marino (Universidad Politécnica de Cartagena, Spain)

4. *Herramientas de gestión multilayer*

- Wilson Ramirez (Universitat Politècnica de Catalunya, Spain)
- Anny Martinez (Universitat Politècnica de Catalunya, Spain)
- Marcelo Yannuzzi (Universitat Politècnica de Catalunya, Spain)
- Xavier Masip (Universitat Politècnica de Catalunya, Spain)

Session 4

Location: “Salón de Grados” (Conference Main Room)

1. *Una breve introducción a OMNeT++*

- Alfonso Ariza (Universidad de Málaga, Spain)

2. *Network Simulations with Supercomputing using NS-2*

- David Cortés-Polo (Extremadura Supercomputing, Technological Innovation and Research Center, Spain)
- José-Luis González-Sánchez (Extremadura Supercomputing, Technological Innovation and Research Center, Spain)

- Cesar Gómez-Martín (Extremadura Supercomputing, Technological Innovation and Research Center, Spain)
- Javier Corral-García (Extremadura Supercomputing, Technological Innovation and Research Center, Spain)

3. Multiple failure in telecommunication networks: robustness metrics and simulation tools

- Eusebi Calle (University of Girona, Spain)
- M. Manzano (University of Girona, Spain)
- J.L. Marzo (University of Girona, Spain)

Session 5

Location: “Salón de Grados” (Conference Main Room)

1. Experimental Assessment of the Dynamic Provisioning and Restoration of a GMPLS Unified Control Plane in Multi-Layer (MPLS-TP/WSON) Networks

- Ricardo Martínez (Centre Tecnològic de Telecomunicacions de Catalunya, Spain)
- Ramon Casellas (Centre Tecnològic de Telecomunicacions de Catalunya, Spain)
- Raül Muñoz (Centre Tecnològic de Telecomunicacions de Catalunya, Spain)

2. Concentration of ISDN access gateways in Next Generation Networks by TDM pseudo-wires

- Javier Muñoz-Calle (Universidad de Sevilla, Spain)
- Antonio J. Sierra (Universidad de Sevilla, Spain)
- Juan M. Vozmediano (Universidad de Sevilla, Spain)

3. QoE evaluation and adaptive transport for 3D mobile services

- Paola Guzmán (Universitat Politècnica de Valencia, Spain)
- Patricia Acelas (Universitat Politècnica de Valencia, Spain)
- Tito R. Vargas (Universitat Politècnica de Valencia, Spain)
- Pau Arce (Universitat Politècnica de Valencia, Spain)
- Juan Carlos Guerri (Universitat Politècnica de Valencia, Spain)
- Elsa Macias (Universidad de Las Palmas de Gran Canaria, Spain)
- Álvaro Suárez (Universidad de Las Palmas de Gran Canaria, Spain)

4. On the Benefits of a Cooperative Layer-2 Based Routing Approach for Hybrid Wireless Mesh Networks

- Alicia Triviño (Universidad de Málaga, Spain)
- Alfonso Ariza (Universidad de Málaga, Spain)
- Eduardo Casilari (Universidad de Málaga, Spain)
- Juan C. Cano (Universitat Politècnica de Valencia, Spain)