

**DEPARTAMENTO DE**  
**INGENIERIA TELEMATICA**

## **DEPARTAMENTO DE INGENIERIA TELEMATICA**

### **Áreas de conocimiento:**

- INGENIERIA TELEMATICA

## **ÁREA DE CONOCIMIENTO: INGENIERIA TELEMATICA**

### **Actividades de investigación**

#### **Tesis Doctorales**

- Descubrimiento dinámico de servidores basado en Información de localización usando una tabla de HASH distribuida balanceada  
*Autores:* CUEVAS, R.  
*Director:* GUERRERO, M. C.  
*Año:* 2010
- Evaluación de la Introducción de Internet de Objetos en Espacios de Aprendizaje  
*Autores:* RAMIREZ, G.A.  
*Director:* MUÑOZ, M.  
*Año:* 2010
- Tesis Diseño y evaluación de la interconexión de redes Peer-to-Peer estructuradas usando una topología jerárquica  
*Autores:* MARTINEZ, I.  
*Director:* GUERRERO, M. C.  
*Año:* 2010

### **Publicaciones y actividades de difusión de resultados**

#### **Publicaciones en revistas científicas internacionales**

- ARACIL, J.; HERNANDEZ, J.A.; ELIZONDO, A.J.; DUQUE, R.; GONZÁLEZ DE DIOS, O. On local CAC schemes for scalability of high-speed networks, *Journal of Networks*, Vol. 5, 2010, pp. 225-229, FINLANDIA.
- ARIAS FISTEUS, J. ; FERNANDEZ, N. ; SANCHEZ, L. ; DELGADO, C. Hashing and canonicalizing Notation 3 graphs, *JOURNAL OF COMPUTER AND SYSTEM SCIENCES*, Vol. 76, Núm. 7, 2010, pp. 663-685.
- AZCORRA, A. ; KRYCZKA, M.; GARCÍA-MARTÍNEZ, A. Integrated Routing and Addressing for Improved IPv4 and IPv6 Coexistence, *IEEE Communications letters*, Vol. 14, Núm. 5, 2010, pp. 477-479, ESTADOS UNIDOS DE AMERICA.
- BANCHS, A. ; SERRANO, P. ; VOLERO, L. Providing Service Guarantees in 802.11e EDCA WLANs with Legacy Stations, *IEEE Transactions on Mobile Computing*, Vol. 9, Núm. 8, 2010, pp. 1057-1071, ESTADOS UNIDOS DE AMERICA.
- BASANTA, P. ; ESTEVEZ, I. M. ; GARCIA, M. D. L. S. ; ALMEIDA, L. A Synchronous Scheduling Service for Distributed Real-Time Java, *IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS*, Vol. 21, Núm. 4, 2010, pp. 506-519.

- BASANTA, P. ; GARCIA, M. D. L. S. ; ESTEVEZ, I. M.  
NO-Heap Remote Objects for Distributed Real-Time Java, *ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS*, Vol. 10, Núm. 1, 2010, ESTADOS UNIDOS DE AMERICA.
- BERNARDOS, C. J. ; CALDERON, M. C. ; SOTO, I. ; SOLANA, A.B.; WENIGER, K.  
Building an IP-based community wireless mesh network: Assessment of PACMAN as an IP address autoconfiguration protocol, *Computer networks* (1999), Vol. 54, Núm. 2, 2010, pp. 291-303, HOLANDA.
- BERNARDOS, C. J. ; FESTAG, A.; MAXEMCHUCK, N.F.; PINART, C.; WEISS, C.  
Advances in vehicular communications networks, *IEEE Network magazine*, Vol. 24, Núm. 1, 2010, pp. 4-5, ESTADOS UNIDOS DE AMERICA.
- BERNARDOS, C. J. ; GRAMAGLIA, M.; CONTRERAS, L. M. ; CALDERON, M. C. ; SOTO, I.  
Network-based Localized IP mobility Management: Proxy Mobile IPv6 and Current Trends in Standardization, *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications* , Vol. 1, Núm. 2/3, 2010, pp. 16-35, REPUBLICA DE COREA.
- BIKFALVI, A.; GARCIA, J. J. ; VIDAL, I. ; VALERA, F. ; AZCORRA, A.  
P2P vs. IP Multicast: Comparing Approaches to IPTV Streaming Based on TV Channel Popularity, *Computer networks* (1999), 2010, HOLANDA.
- BIKFALVI, A.; GARCIA, J. J. ; VIDAL, I.; VALERA, F.  
A peer-to-peer IPTV service architecture for the IP multimedia subsystem, *INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS*, Vol. 23, 2010, pp. 780-801.
- BOUTABA, R.; MURPHY, S.; BANCHS, A.  
Special issue on "Wireless Multi-Hop Networking for Infrastructure Access", *Computer networks* (1999), Vol. 54, Núm. 2, 2010, pp. 175-177, HOLANDA.
- CARRAL, J.A.; IBAÑEZ, G. A. ; MARSA, I.; GARCÍA-MARTÍNEZ, A.  
TRE plus : Extended Tree-Based Routing Ethernet, *ETRI JOURNAL*, Vol. 32, Núm. 1, 2010, pp. 157-159, REPUBLICA DE COREA.
- CUEVAS, A.; URUEÑA, M. ; ROMERAL, R. ; LARRABEITI, D.  
Data Centric Storage Technologies: Analysis and Enhancement, *Sensors (Basel)*, Vol. 10, Núm. 4, 2010, pp. 3023-3056.
- CUEVAS, R.; CUEVAS, A.; CABELLOS, A.; JAKAB, L.; GUERRERO, M. C.  
A collaborative P2P scheme for NAT Traversal Server discovery based on topological information, *Computer networks* (1999), Vol. 54, Núm. 12, 2010, pp. 2071-2085, HOLANDA.
- CUEVAS, R.; CUEVAS, A.; URUEÑA, M. ; BANCHS, A.  
Applying Low Discrepancy Sequences for Node-ID Assignment in P2PSIP, *IEEE Communications letters*, Vol. 99, 2010, pp. 1-3, ESTADOS UNIDOS DE AMERICA.
- DELGADO, C.; MUÑOZ, M. ; MUÑOZ, P. ; RAMIREZ, G.A.  
Analyzing Convergence in e-Learning Resource Filtering Based on ACO Techniques: A Case Study With Telecommunication Engineering Students, *IEEE Transactions on Education*, 2010, ESTADOS UNIDOS DE AMERICA.
- DIAZ, D. ; MARIN, A. ; ALMENAREZ, F.; CORTES, A.  
Social Applications in the Home Network, *IEEE Transactions on consumer electronics*, Vol. 56, Núm. 1, 2010, pp. 220-225, ESTADOS UNIDOS DE AMERICA.

- DIAZ, D. ; SANVIDO, F.; PROSERPIO, D.; MARIN, A.  
DLNA, DVB-CA and DVB-CPCM Integration for Commercial Content Management, *IEEE Transactions on consumer electronics*, Vol. 56, Núm. 1, 2010, pp. 79-87, ESTADOS UNIDOS DE AMERICA.
- FERNANDEZ, F. ; BORRAJO, F.; PABLO, I.D.; SANTOS, B.; GARCIA, J.; SAGREDO, I.  
A simulator for business education and research, *DECISION SUPPORT SYSTEMS*, Núm. 48(3), 2010, pp. 498-506.
- FERNANDEZ, N. ; FUENTES, D.; SANCHEZ, L. ; ARIAS FISTEUS, J.  
The NEWS ontology: Design and applications, *Expert systems with applications*, Vol. 37, Núm. 12, 2010, pp. 8694-8704, REINO UNIDO.
- FORNE, J.; HINAREJOS, F.; MARIN, A. ; ALMENAREZ, F.; LOPEZ, J.; MONTENEGRO, J.A.; LACOSTE, M.; DIAZ, D.  
Forecasting industrial production in Brazil: Evidence from a wavelet approach , *Expert systems with applications*, Vol. 37, Núm. 9, 2010, pp. 6345-6351, REINO UNIDO.
- GUTIERREZ, I.; CRESPO, R. ; LEONY, D.; PARDO, A. ; DELGADO, C.  
Course evaluation study in Europe: the current picture, *Communications in computer and information science*, Vol. 73, 2010, pp. 351-356, ALEMANIA.
- GUTIERREZ, I.; LEONY, D.; FRANCO, A.; CRESPO, R. ; PARDO, A. ; DELGADO, C.  
Course evaluation study in Europe: the current picture, *Lecture notes in computer science*, Vol. 6386, 2010, pp. 139-150, ALEMANIA.
- IBAÑEZ, G. A. ; GARCÍA-MARTÍNEZ, A. ; CARRAL, J.A.; GONZALEZ, P.A.; AZCORRA, A. ; ARCO, J.M.  
HURP/HURBA: Zero-configuration hierarchical Up/Down routing and bridging architecture for Ethernet backbones and campus networks, *Computer networks (1999)*, Vol. 54, Núm. 1, 2010, pp. 41-56, HOLANDA.
- JAHNERT, J.; MANDIC, P.; CUEVAS, A. ; WESNER, S.; MORENO, J. Ignacio; VILLAGRA, V.; OLMEDO, V.; STILLER, B.  
A prototype and demonstrator of Akogrimo's architecture: An approach of merging grids, SOA, and the mobile Internet, *Computer communications*, Vol. 33, Núm. 11, 2010, pp. 1304-1317, HOLANDA.
- LAGE, E.; TAPIAS, G.; VILLENA, J. ; DESC0, M.; VAQUERO, J.J.  
Data acquisition electronics for gamma ray emission tomography using width-modulated leading-edge discriminators, *PHYSICS IN MEDICINE AND BIOLOGY*, Vol. 55, Núm. 15, 2010, pp. 4291-4308, ESTADOS UNIDOS DE AMERICA.
- LAUBE, A.; SORNIOTTI, A.; GÓMEZ, L.; EL-KHOURY, P.; CUEVAS, A.  
Security Patterns for Untraceable Secret Handshakes with Optional Revocation, *International journal on advances in security*, Vol. 3, 2010, pp. 68-79.
- LEONY, D.A.; FUENTE, L.; PARDO, A. ; DELGADO, C.  
Adaptación de material educativo guiada por IMS Learning Design: experiencias con .LRN, *Revista Iberoamericana de Educación*, Vol. 13, 2010, pp. 209-235.
- LOPEZ, V.; HERNANDEZ, J.A.; GONZALEZ, O.; FERNANDEZ , J.; ARACIL, J.  
Multilayer Traffic Engineering for IP Over WDM Networks Based on Bayesian Decision Theory, *Journal of optical communications and networking*, Vol. 8, Núm. 2, 2010, pp. 515-519, ESTADOS UNIDOS DE AMERICA.

- MANOLOVA, A.V.; RUEPP, S.R.; ROMERAL, R. ; RODRÍGUEZ, S.  
Routing protocol extension for resilient GMPLS multi-domain networks, *Wseas Transactions on Communications*, Vol. 9 (3), 2010, pp. 185-195, VENEZUELA.
- MUÑOZ, M. ; DELGADO, C.; MUÑOZ, P.  
Personalized Service-Oriented E-Learning Environments, *IEEE Internet Computing*, Vol. 14(2), 2010, pp. 62-67.
- MUÑOZ, M. ; MUÑOZ, P. ; DELGADO, C.  
Student Behavior and Interaction Patterns With an LMS as Motivation Predictors in E-Learning Settings, *IEEE Transactions on Education*, Vol. 53, Núm. 3, 2010, pp. 463-470, ESTADOS UNIDOS DE AMERICA.
- MUÑOZ, M. ; RAMIREZ, G.A.; MUÑOZ, P. ; DELGADO, C.  
Analyzing Convergence in e-Learning Resource Filtering Based on ACO Techniques: A Case Study With Telecommunication Engineering Students, *IEEE Transactions on Education*, Vol. 53, Núm. 4, 2010, pp. 542-546, ESTADOS UNIDOS DE AMERICA.
- MUÑOZ, M. ; RAMIREZ, G.A.; MUÑOZ, P. ; DELGADO, C.  
A Collaborative Recommender System Based on Space-Time Similarities, *IEEE pervasive computing*, Vol. 9(3), 2010, pp. 81-87, ESTADOS UNIDOS DE AMERICA.
- NEUMANN, S.; KLEBL, M.; GRIFFITHS, D.; HERNANDEZ, D.; FUENTE, L.; HUMMEL, H.; BROUNS, F.; DERNTL, M.; OBERHUEMER, P.  
Report of the Results of an IMS Learning Design Expert Workshop, *International Journal of Emerging Technologies in Learning*, 2010, pp. 58-72.
- OLIVA, A.; SOTO, I.; GARCÍA-MARTÍNEZ, A. ; BAGNULO, M.G.; AZCORRA, A.  
Analytical characterization of failure recovery in REAP, *Computer communications*, Vol. 33, Núm. 4, 2010, pp. 485-499, HOLANDA.
- REVIRIEGO, P. ; MAESTRO, J.A.; HERNANDEZ, J.A.; LARRABEITI, D.  
Burst Transmission for Energy-Efficient Ethernet , *IEEE Internet Computing*, Vol. 14, Núm. 4, 2010, pp. 50-57.
- RICO, M.; GARCIA, F.; GOMEZ, J.M.; VALENCIA, R.; FERNANDEZ, J.T.  
Enabling Intelligent Service Discovery with GGODO, *Journal of information science and engineering*, Vol. 26, Núm. 4, 2010, pp. 1161-1180, CHINA.
- RODRIGUEZ, A.; GARCIA-RUBIO, C. ; CAMPO, C.  
Performance Evaluation of LZ-Based Location Prediction Algorithms in Cellular Networks, *IEEE Communications letters*, Vol. 14, Núm. 8, 2010, pp. 707-709, ESTADOS UNIDOS DE AMERICA.
- SANTACRUZ, L.P.; NAVARRO, A.; AEDO, I. ; DELGADO, C.  
Comparison of knowledge during the assembly process of learning objects, *JOURNAL OF INTELLIGENT INFORMATION SYSTEMS*, Vol. 35, Núm. 1, 2010, pp. 51-74.
- SANTIAGO DEL RÍO, P.M.; HERNANDEZ, J.A.; ARACIL, J.; LÓPEZ DE VERGARA, J.E.; DOMZAL, J.; WOJCIK, R.; CHOLDA, P.; WAJDA, K.; FERNÁNDEZ DE PALACIOS, J.P.; GONZÁLEZ DE DIOS, O.; DUQUE, R.  
A reliability analysis of Double-Ring topologies with Dual Attachment using p-cycles for optical metro networks, *Computer networks (1999)*, Vol. 54, 2010, pp. 1328-1341, HOLANDA.

- SEOANE, I. ; RODRIGUEZ DE LOS SANTOS, G.; HERNANDEZ, J.A.; URUEÑA, M. ; ROMERAL, R. ; CUEVAS, A.; LARRABEITI, D.  
Analysis of delay mean and variance of collision-free WDM rings with segment recirculation of blocked traffic, *Photonic network communications*, 2010, ESTADOS UNIDOS DE AMERICA.
- SERRANO, P. ; BANCHS, A. ; PATRAS, P.; AZCORRA, A.  
Optimal Configuration of 802.11e EDCA for Real-Time and Data Traffic , *IEEE transactions on vehicular technology*, Vol. 59, Núm. 5, 2010, pp. 2511-2528, ESTADOS UNIDOS DE AMERICA.
- SERRANO, P. ; BANCHS, A. ; TARGON, V.; KUKIELKA, J. F.  
Detecting Selfish Configurations in 802.11 WLANs, *IEEE Communications letters*, Vol. 14, Núm. 2, 2010, pp. 142-144, ESTADOS UNIDOS DE AMERICA.
- SERRANO, P. ; BERNARDOS, C. J. ; OLIVA, A.; BANCHS, A. ; SOTO, I. ; ZINK, M.  
FloorNet: Deployment and Evaluation of a Multihop Wireless 802.11 Testbed, *EURASIP Journal on Wireless Communications and Networking*, 2010, EGIPTO.
- SERRANO, P. ; HOLICK, M.A.; BANCHS, A.  
On the Trade-Off between Throughput Maximization and Energy Consumption Minimization in IEEE 802.11 WLANs, *Journal of Communications and Networks*, Vol. 12, Núm. 2, 2010, pp. 150-157, REPUBLICA DE COREA.
- SOTO, I. ; BERNARDOS, C. J. ; CALDERON, M. C. ; MELIA, T.  
PMIPv6: A Network-Based Localized Mobility Management Solution, *The Internet Protocol Journal* , Vol. 13, Núm. 3, 2010, pp. 2-15, ESTADOS UNIDOS DE AMERICA.
- VIDAL, I. ; GARCIA, J. J. ; OLIVA, A.; SOTO, I. ; BIKFALVI, A.  
Supporting mobility in an IMS-based P2P IPTV service: A proactive context transfer mechanism, *Computer communications*, Vol. 33, Núm. 14, 2010, pp. 1736-1751, HOLANDA.
- VIDAL, I. ; GARCIA, J. J. ; SOTO, I. ; VALERA, F.  
Evaluating Extensions to IMS Session Setup for Multicast-based Many-to-Many Services, *Computer networks (1999)*, 2010, HOLANDA.
- ZDARSKY, F.; ROBITZSCH, S.; BANCHS, A.  
Security analysis of wireless mesh backhauls for mobile networks, *Journal of Network and Computer Applications*, 2010, ESTADOS UNIDOS DE AMERICA.

## Colaboraciones en obras colectivas

- CRESPO, R. ; GARCIA, J. J.  
*Redes sociales: la madeja tecnificada*, en: Aprendizaje con redes sociales. Tejidos educativos para los nuevos entornos, mad(eduforma), ESPAÑA, pp. 63-90, 2010.
- VALERA, F. ; BEIJNUM, I.; GARCÍA-MARTÍNEZ, A. ; BAGNULO, M.G.  
*Multi-path BGP: motivations and solutions*, en: Next Generation Internet Architectures and Protocols, 2010.
- VILLASCLARAS-FERNANDEZ, E.; ASENSIO, J.I.; HERNANDEZ, D.; DIMITRIADIS, Y.; FUENTE, L.; MARTINEZ-MONES, A.  
*Techniques for Fostering Collaboration in Online Learning Communities Theoretical and Practical Perspectives*, en :Techniques for Fostering Collaboration in Online Learning Communities Theoretical and Practical Perspectives, pp. 261-277, 2010.

## Ponencias y Comunicaciones a congresos

- BAGNULO, M.G.; FORD, A.; EARDLEY, P.; GARCÍA-MARTÍNEZ, A. ; KOSTOPOULOS, A.; RAICIU, C.; VALERA, F.  
*Boosting mobility performance with Multi-Path TCP*, Future Network & Mobile Summit 2010, FLORENCIA, ITALIA, 2010.
- BASANTA, P. ; GARCIA, M. D. L. S. ; ESTEVEZ, I. M.  
*Using Switched-Ethernet and Linux-TC for Distributed Real-Time Java Infrastructures*, SUIZA, 2010.
- BASANTA, P. ; GARCIA, M. D. L. S. ; ESTEVEZ, I. M.  
*A Neutral Architecture for Distributed Real-Time Java based on RMI and RTSJ*, In IEEE ETFA 2010 (Emerging Technologies and Factory Automation, BILBAO, ESPAÑA, 2010.
- BASANTA, P. ; GARCIA, M. D. L. S. ; ESTEVEZ, I. M.  
*Towards a Cyber-Physical Architecture for Industrial Systems via Real-Time Java Technology*, International Symposium on Advanced Topics on Embedded Systems and Applications (ESA2010) Publicación:, BRADFORD, REINO UNIDO, 2010.
- BEIJNUM, I.V.; AZCORRA, A. ; BAGNULO, M.G.  
*OmTCP: increasing performance in server farms*, 2010 IEEE International Conference on Communications (ICC), CAPE TOWN, REPUBLICA SUDAFRICANA, 2010.
- CARMEN FERNÁNDEZ-PANADERO; VILLENA, J. ; DELGADO, C.  
*Impact of Learning Experiencies Using LEGO Mindstorms® in Engineering Courses*; en: Actas del congreso IEEE, , 2010.
- CASTRO, M.D.; RUIZ, M. B. ; GONZALEZ, F.  
*Procedure to measure subtitling time in DTT and IPTV channels*, International Conference on Telecommunications and Multimedia, TEMU 2010, 2010.
- CASTRO, M.D.; RUIZ, M. B. ; MARTIN, C.A.; GARCIA, L.; MENENDEZ, J.M.  
*Monitoring accessibility in digital television. Subtitling, Audiodescription and EPG* , 49th FITCE CONGRESS, ESPAÑA, 2010.
- CASTRO, M.D.; RUIZ, M. B. ; UTRAY, F.  
*TV digital interactiva y accesibilidad*, III Congreso de Televisión Digital Interactiva, ESPAÑA, 2010.
- CRESPO, R. ; NAJJAR, J.; DERNTL, M.; LEONY, D.; NEUMANN, S.; OBERHUEMER, P.; TOTSCHNIG, M.; SIMON, B.; GUTIERREZ, I.; DELGADO, C.  
*Aligning Assessment with Learning Outcomes in Outcome-based Education*; en: Actas del congreso IEEE, , 2010.
- CRESPO, R. ; PARDO, A.  
*A Supporting System for Adaptive Peer Review based on Learners Profile*, Proceedings of the Workshop on Computer-Supported Peer Review in Education CSPRED-2010, Pittsburgh Pennsylvania, ESTADOS UNIDOS DE AMERICA, 2010.
- CUEVAS, A.; URUEÑA, M. ; VECIANA, G.  
*Dynamic Random Replication for Data Centric Storage*, 13th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems, (MSWiM' 10), BODRUM, TURQUIA, 2010.
- CUEVAS, R.; KRYCZKA, M.; CUEVAS, A.; KAUNE, S.; GUERRERO, M. C. ; REJAIE, R.  
*Is Content Publishing in BitTorrent Altruistic or Profit-Driven?*, 6th ACM International Conference on emerging Networking Experiments and Technologies (ACM CoNEXT 2010), PHILADELPHIA, ESTADOS UNIDOS DE AMERICA, 2010.

- CUEVAS, R.; LAOUTARIS, N.; XIAO, Y.; SIGANOS, G.; RODRIGUEZ, P.  
*Deep Diving into BitTorrent Locality*; en: Proceedings ACM Sigmetrics 2010, 2010.
- DELGADO, C. ; PARDO, A. ; MUÑOZ, M. ; IBAÑEZ, M. B. ; CRESPO, R. ; MUÑOZ, P. ; FUENTE, L.; LEONY, D.; GUTIERREZ, I.  
*Some Research Questions and Results of UC3M in the eMadrid Excellence Network*; en: Actas del congreso IEEE, , 2010.
- DIAZ, D. ; ALMENARES, F. ; MARIN, A. ; MIKOCZY, E.; WEIK, P.; MAGEDANZ, T.  
*An Identity Management Infrastructure for Secure Personalized IPTV Services*, ONIT Workshop, Testbeds and Research Infrastructures. Development of Networks and Communities - 6th International ICST Conference, TridentCom, BERLIN, ALEMANIA, 2010.
- DOMZAL, J.; WOJCIK, R.; WAJDA, K.; JAJSZCZYK, A.; LÓPEZ, V.; HERNANDEZ, J.A.; ARACIL, J.; CÁRDENAS, C.; GAGNAIRE, M.  
*A Multi-layer recovery strategy in FAN over WDM architectures*, Int. Conf. Design of Reliable Communication Networks (DRCN), WASHINGTON DC, ESTADOS UNIDOS DE AMERICA, 2010.
- ESTEVEZ, I. M. ; GARCIA, M. D. L. S. ; BASANTA, P.  
*On the reconfiguration of service-based real-time applications*, RTAS 2010 WiP., SUIZA, 2010.
- FERNANDEZ, N. ; ARIAS FISTEUS, J. ; SANCHEZ, L. ; MARTIN, E.  
*WebTLab: A coocurrency-based approach to KBP 2010 Entity-Linking task*, Text Analysis Conference TAC 2010, Gaithersburg Maryland, ESTADOS UNIDOS DE AMERICA, 2010.
- FUENTE, L.; PEREZ, M.; SANTOS, P.; HERNANDEZ, D.; PARDO, A. ; DELGADO, C. ; BLAT, J.  
*System Orchestration Support for a Flow of Blended Collaborative Activities*, IWASCL 2010, THESSALONIKI, GRECIA, 2010.
- GACIMARTIN, C.; HERNANDEZ, J.A.; URUEÑA, M. ; LARRABEITI, D.  
*On detecting Internet-based criminal threats with XplicoAlerts: Current design and next steps*, IEEE Multimedia Communications, Services and Security (MCSS2010), CRACOVIA, POLONIA, 2010.
- GARCIA, J. J. ; DIEZ, D.; GARCÍA-MARTÍNEZ, A. ; BIKFALVI, A.; VIDAL, I.  
*Distributed Management of Application Layer Multicast Trees for IPTV Services*, IX Jornadas de Ingenieria Telematica (JITEL 2010), VALLADOLID, ESPAÑA, 2010.
- GARCIA, M. D. L. S. ; BASANTA, P. ; ESTEVEZ, I. M.  
*Towards a homogeneous model for implementation of service-based distributed real-time applications*, In Proc. of International workshop on Distribute Architecture modeling for Novel Component based Embedded systems, TOZEUR, TUNEZ, 2010.
- GARCIA, M. D. L. S. ; BASANTA, P. ; ESTEVEZ, I. M.  
*Adaptive real-time video transmission over DDS*, OSAKA, JAPON, 2010.
- GARCIA, M. D. L. S. ; ESTEVEZ, I. M. ; BASANTA, P.  
*Dynamic priority assignment scheme for contract-based QoS resource Management*, In Proc. of the 7th IEEE International Conference on Embedded Software and Systems (ICESS 2010)  
Publicación:, BRADFORD, REINO UNIDO, 2010.
- GARCIA, M. D. L. S. ; RODRIGUEZ, I.; BASANTA, P. ; ESTEVEZ, I. M. ; FERNANDEZ, L.  
*Towards a middleware architecture for deterministic reconfiguration of service-based networked applications*, In IEEE ETFA 2010 (Emerging Technologies and Factory Automation)., BILBAO, ESPAÑA, 2010.

- GUTIERREZ, I.; CRESPO, R. ; LEONY, D.; PARDO, A. ; DELGADO, C.  
*Course evaluation study in Europe: the current picture*, First International Conference TECH EDUCATION 2010, ATENAS, GRECIA, 2010.
- GUTIERREZ, I.; DELGADO, C.  
*Authoring Learning Contents, Assessments and Outcomes in an Integrated Way*; en: Actas del congreso IEEE, , 2010.
- GUTIERREZ, I.; LEONY, D.; CRESPO, R. ; PARDO, A. ; DELGADO, C. ; FRANCO, A.  
*Management of Assessment Resources in a Federated Repository of Educational Resources*, EC-TEL 2010: Sustaining TEL: From Innovation to Learning and Practice, BARCELONA, ESPAÑA, 2010.
- HASSAPIS, G.; TZORTZIDOU, S.; ALEXANDROV, V.; DELGADO, C.  
*A Trans-European, Multi-Departmental Course on Network and e-Business Centered Computing*, 1st WIETE Annual Conference on Engineering and Technology Education, PATTAYA, TAILANDIA, 2010.
- IBAÑEZ, M. B. ; CRESPO, R. ; DELGADO, C.  
*Assessment of Knowledge and Competencies in 3D Virtual Worlds: A Proposal*, In KCKS 2010 Key Competencies in the Knowledge Society World Computer Congress, BRISBANE, AUSTRALIA, 2010.
- IBAÑEZ, M. B. ; GARCIA, J. J. ; GALAN, S.; MAROTO, D.; MORILLO, D.; DELGADO, C.  
*Multi-User 3D Virtual Environment for Spanish Learning: A Wonderland Experience*; en: Actas del congreso IEEE, 2010.
- KAUNE, S.; GUERRERO, M. C. ; CUEVAS, R.; TYSON, G.; MAUTHE, A.; STEINMETZ, R.  
*Unraveling BitTorrent's File Unavailability: Measurements and Analysis*, IEEE International Conference in Peer-to-Peer Computing (IEEE P2P'10), DELF, HOLANDA, 2010.
- KRYCKZA, M.; CUEVAS, R.; GUERRERO, M. C. ; YONEKI, E.; AZCORRA, A.  
*A First Step Towards User Assisted Online Social Networks*, 3rd ACM Workshop on Social Network Systems (co-located with EuroSys 2010), PARIS, FRANCIA, 2010.
- KUKEC, A.; BAGNULO, M.G.; OLIVA, A.  
*CRYPTRON: CRYptographic Prefixes for Route Optimization in Nemo*, ICC 2010 : IEEE International Conference on Communications, CAPE TOWN, REPUBLICA SUDAFRICANA, 2010.
- LAMPROPOULOS, K.; DIAZ, D. ; ALMENARES, F. ; WEIK, P.; DENAZIS, S.  
*Introducing a cross federation identity solution for converged network environments*, Principles, Systems and Applications of IP Telecommunications (IPTComm 2010), MUNICH, ALEMANIA, 2010.
- MARTÍN, E.; FUENTES, D.; SANCHEZ, L. ; MUÑOZ-DÍAZ, D.; CUADRA-SÁNCHEZ, A.; CUTANDA, M.  
*Integración de Bases de datos basada en Web Semántica*, XX Jornadas Telecom I+D, VALLADOLID, ESPAÑA, 2010.
- MARTINEZ, I.; GONZALEZ, R.; GUERRERO, M. C.  
*Benefits of an implementation of H-P2PSIP*, The Second International Conference on Advances in P2P Systems - AP2PS, FLORENCIA, ITALIA, 2010.
- MARTINEZ, I.; SEOANE, I. ; GUERRERO, M. C.  
*Fair Quality of Experience (QoE) measurements related with Networking Technologies*; en: Wired/Wireless Internet Communications, 2010.

- MORILLO, D.; SANTOS, P.; PEREZ, D.; IBAÑEZ, M. B. ; DELGADO, C. ; HERNANDEZ, D.  
*Assessment in 3D Virtual Worlds: QTI in Wonderland*, IE 2010 Congreso Iberoamericano de Informática Educativa, SANTIAGO DE CHILE, CHILE, 2010.
- MUÑOZ, M. ; RAMIREZ, G.A.; MUÑOZ, P. ; DELGADO, C.  
*Evaluating the Effectiveness and Motivational Impact of Replacing a Human Instructor by Mobile Devices for Teaching Network Services Configuration to Telecommunication Engineering Students*, ICALT 2010 IEEE International Conference on Advanced Learning Technologies, SOUSSE, TUNEZ, 2010.
- MUÑOZ, P. ; DELGADO, C. ; MUÑOZ, M.  
*Behavior Effect of Hint Selection Penalties and Availability in an Intelligent Tutoring System*, ITS 2010 10th International Conference on Intelligent Tutoring Systems Bridges to Learning, PITTSBURG, ESTADOS UNIDOS DE AMERICA, 2010.
- MUÑOZ, P. ; PARDO, A. ; DELGADO, C. ; MUÑOZ, M. ; WOLPERS, M.; NIEMANN, K.; FRIEDRICH, M.  
*CAM in the Semantic Web World*; en: Proceedings of the 6th International Conference on Semantic Systems, ACM, ESTADOS UNIDOS DE AMERICA, 2010.
- MUÑOZ, P. ; WOLPERS, M.; FRIEDRICH, M.; DELGADO, C. ; MUÑOZ, M.  
*An Approach for the Personalization of Exercises based on Contextualized Attention Metadata and Semantic Web Technologies*; en: 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2010.
- PARDO, A. ; AGEA, A.; DELGADO, C.  
*Current Issues with Assessment Formats and Interoperability*; en: IEEE EDUCON 2010 Conference, UNIVERSIDAD POLITECNICA DE MADRID, , 2010.
- PARDO, A. ; BASANTA, P. ; FUENTES, D.; ESTEVEZ, I. M.  
*A Process for Improving Course Quality based on Mid-Semester Feedback*; en: Actas del Congreso. Communications in Computer and Information Science, 2010.
- PARDO, A. ; DELGADO, C.  
*CCOLAB UC3M: Events recorded in an undergraduate collaborative C Programming Course*, dataTEL en EC-TEL 2010: Sustaining TEL: From Innovation to Learning and Practice, BARCELONA, ESPAÑA, 2010.
- PARDO, A. ; ESTEVEZ, I. M. ; BASANTA, P. ; FUENTES, D.  
*Programación en C con aprendizaje activo, evaluación continua y trabajo en equipo caso de estudio*, Jornadas de Enseñanza Universitaria de la Informática JENUI, SANTIAGO DE COMPOSTELA, ESPAÑA, 2010.
- PRIETO, L.; CAMACHO, J.M.; VALERA, F.  
*Entornos de verificación de soluciones multi-path BGP*, IX Jornadas de Ingeniería Telemática (Jitel 2010), VALLADOLID, ESPAÑA, 2010.
- PROSERPIO, D.; SANVIDO, F.; ARIAS, P.; SANCHEZ, R.; ALMENARES, F. ; DIAZ, D. ; MARIN, A.  
*Introducing Infocards in NGN to Enable User-Centric Identity Management*, IEEE Global Communications Conferece (GLOBECOM 2010), MIAMI, ESTADOS UNIDOS DE AMERICA, 2010.

- REVIRIEGO, P.; LARRABEITI, D. ; HERNANDEZ, J.A.; MAESTRO, J.A.  
*Energy efficiency in 10 Gbps Ethernet transceivers: Copper versus fiber*, Int. Conf. Optical Fiber Networks (OFC/INFOEC 2010), SAN DIEGO, ESTADOS UNIDOS DE AMERICA, 2010.
- SANDONIS, V.; CALDERON, M. C. ; BERNARDOS, C. J.  
*Integración de IP en redes vehiculares*, X Congreso Español sobre sistemas inteligentes de transporte, MADRID, ESPAÑA, 2010.
- SEOANE, I. ; HERNANDEZ, J.A.; ROMERAL, R. ; URUEÑA, M. ; CALLE, E.; MANZANO, M.  
*A CTMC-based characterisation of the propagation of errors in GMPLS Optical Rings*; en: Actas del congreso, , 2010.
- SERRANO, P. ; BERNARDOS, C. J. ; OLIVA, A.; SOTO, I.  
*Lessons Learned from the Deployment of a Multihop IEEE 802.11g Testbed Using COTS Devices*; en: Actas European Wireless, 2010.
- SERRANO, P. ; GARCIA, A.; BANCHS, A.  
*On the Energy Efficiency of IEEE 802.11 WLANs*, European Wireless 2010 - Invited Session – Greening of the Wireless Internet, LUCCA, ITALIA, 2010.
- TEJADA, V.; GARCIA, J. J. ; VIDAL, I. ; VALERA, F.  
*Un Servidor de Aplicación Distribuido para P2P IPTV en IMS*, IX Jornadas de Ingeniería Telemática (Jitel 2010), VALLADOLID, ESPAÑA, 2010.
- URUEÑA, M. ; BUSQUIEL, C.  
*Analysis of a Privacy Vulnerability in the OpenID Authentication Protocol*, IEEE Multimedia Communications, Services and Security (MCSS2010), CRACOVIA, POLONIA, 2010.
- URUEÑA, M. ; MACHNIK, P.; MARTÍNEZ, M.J.; NIEMIEC, M.; STOIANOV, N.  
*INDECT Advanced Security Requirements*, IEEE Multimedia Communications, Services and Security (MCSS2010), CRACOVIA, POLONIA, 2010.
- VILLENA, J. ; MARTINEZ-FERNANDEZ, J. L. ; GONZALEZ, J.C.; MORENO, L. ; MARTINEZ, P. ; DIAZ, J.  
*Proyecto SAGAS: Sistema Avanzado de generación automática de subtítulos*, AMADIS 2010 , V Congreso de Accesibilidad a los Medios Audiovisuales para Personas con Discapacidad, ESPAÑA, 2010.

## **Actividades de formación y movilidad de personal investigador**

### **Estancias en otros centros**

- LUIS DE LA FUENTE VALENTIN  
*Título:* FILLIN "Texto156" Adaptation of learning scenarios in the LRN platform based on Contextualized Attention Metadata (CAM)

*Centro Externo:* Fraunhofer Institute of Technology  
*País:* ALEMANIA  
*Duración:* 29/11/2010 a 20/12/2010.

- MARIA CARMEN GUERRERO LOPEZ  
*Título:* Content Distribution in Social Networks  
*Centro Externo:* Computer Lab  
*País:* REINO UNIDO

*Duración:* 01/07/2008 a 01/07/2010.

• **MARIA SOLEDAD GARCIA VALLS**

*Título:* Investigación en el proyecto conjunto ARTISTDesign NoE FP7

*Centro Externo:* Universidad Politécnica de Valencia

*País:* ESPAÑA

*Duración:* desde 01/05/2009.

• **PEDRO JOSE MUÑOZ MERINO**

*Título:* Integración de metadatos de atención de contexto en la Web semántica y su aplicación al e-learning

*Centro Externo:* Fraunhofer Institut of Technology

*País:* ALEMANIA

*Duración:* 01/08/2009 a 03/02/2010.

• **RAQUEL CRESPO GARCIA**

*Título:* Adaptation of learning scenarios in the LRN platform based on Contextualized Attention Metadata (CAM)

*Centro Externo:* Fraunhofer Institute for Applied Information Technology

*País:* ALEMANIA

*Duración:* 01/02/2010 a 12/02/2010.