

DEPARTAMENTO DE
INGENIERIA TELEMATICA

DEPARTAMENTO DE INGENIERIA TELEMATICA

Áreas de conocimiento:

- INGENIERIA TELEMATICA

ÁREA DE CONOCIMIENTO: INGENIERIA TELEMATICA

Actividades de investigación

Tesis Doctorales

- A Stress-Awareness Approach to Safer Decision Making in the Trading Process Integrating Biometric Sensor Technology
Autores: MARTINEZ, J.
Director: SEEPOLD, R. E.
Año: 2012
- Arquitectura multidestino para extensiones MANET a redes IP fijas
Director: LARRABEITI, D.
Año: 2012
- Avanced Techniques for Multicast Service Provision in Core Transport Networks
Autores: FERNANDEZ DEL, G.M.
Director: LARRABEITI, D.
Año: 2012
- Contribuciones al diseño de redes opticas de nueva generación: protección, calidad de servicio y eficiencia energética
Autores: SEOANE, I.
Director: HERNANDEZ, J.A.; LARRABEITI, D.
Año: 2012
- Contribution to improve mobility uses through context-awareness
Autores: YNDURAIN, E.
Director: CAMPO, C.
Centro donde se presentó: ESCUELA POLITECNICA SUPERIOR
Año: 2012
- Mejoras al aprovechamiento de dispositivos multiconectados
Autores: CORTES, A.
Director: GARCIA-RUBIO, C.
Centro donde se presentó: ESCUELA POLITECNICA SUPERIOR
Año: 2012
- Peer to peer television for the ip multimedia subsystem
Autores: BIKFALVI, A.
Director: GARCIA, J. J.
Año: 2012

- Vanet based optimization of infotainment and traffci efficiency vehicular services
Autores: GRAMAGLIA, M.
Director: BERNARDOS, C. J. ; CALDERON, Maria
Año: 2012

Publicaciones y actividades de difusión de resultados

Publicaciones en revistas científicas nacionales

- BASANTA, P. ; GARCIA, M.S.; ESTEVEZ-AYRES, I.; MARTIN, M.J.
Módulo empresarial para la validación formal de ejercicios aplicado a la programación concurrente en Java = Enterprise Module for Exercise Formal Validation applied on Java Concurrent Programming , *Revista iberoamericana de automática e informática industrial*, Vol. 9, Núm. 3, 2012, pp. 290-299, ESPAÑA.
- BASANTA, P. ; GARCIA, M.S.; MORILLAS, H.; CANO, J.A.
Distributed Java Auction Module on real-time CORBA, *Revista iberoamericana de automática e informática industrial*, Vol. 9, 2012, pp. 406-416, ESPAÑA.
- Delgado Kloos, Carlos ; PARDO, A. ; MUÑOZ, M.; IBAÑEZ, M. B. ; MUÑOZ, P. ; CARMEN FERNÁNDEZ-PANADERO; CRESPO, R. ; GARCIA, J. J. ; FUENTE, L.; PEREZ, M.D.M.; PARADA, H.A.; Derick Leony; GUTIERREZ, I.; MAROTO, D.
Gradient, UC3M, *Revista Iberoamericana de Informática Educativa*, Núm. 15, 2012, pp. 75-84, ESPAÑA.
- VILLENA, J. ; MORENO, L. ; MARTINEZ, P.
Sistema SAGAS: herramienta de soporte al subtítulo para personas sordas , *Procesamiento del lenguaje natural*, Núm. 49, 2012, pp. 217-220, ESPAÑA.

Publicaciones en revistas científicas internacionales

- AGUILAR, J.; BAGNULO, M.G.; BELLAVISTA, P.; BOCCI, M.; BRISK, P.; BRUNGARD, D.; BURAKOWSKY, W.; CHOUDHURY, G.; D'SOUZA, K.; GREACO, P.; KAVEHRAD, M.; KIHIL, M.; LITTLE, T.; O'BRIEN, D.; O'DROMA, M.; SARGENTO, S.; SAVOLA, R.; SHARAFEDDINE, S.; SHI, M.
New data communication standards, *IEEE Communications magazine*, Vol. 50, Núm. 3, 2012, pp. 70-71, ESTADOS UNIDOS DE AMERICA.
- ARIAS FISTEUS, J. ; PARDO, A. ; FERNANDEZ, N.
Grading multiple choice exams with low-cost and portable computer-vision techniques, *Journal of science education and technology*, 2012, HOLANDA.
- ARIAS, P.; ALMENARES, F. ; MARIN, A. ; DIAZ, D. ; SANCHEZ, R.M.
A Metric-Based Approach to Assess Risk for "On Cloud" Federated Identity Management, *Journal of Network and Systems Management*, Vol. 20, Núm. 4, 2012, pp. 513-533, ESTADOS UNIDOS DE AMERICA.
- ARIAS, P.; ALMENARES, F. ; SANCHEZ, R.M.; MARIN, A. ; DIAZ, D.
SuSSo: seamless and ubiquitous single sign-on for cloud service continuity across devices, *IEEE Transactions on consumer electronics*, Vol. 58, Núm. 4, 2012, pp. 1425-1433, ESTADOS UNIDOS DE AMERICA.
- BAGNULO, M.G.; GARCÍA-MARTÍNEZ, A. ; VAN BEIJNUM, I.
The NAT64/DNS64 Tool Suite for IPv6 Transition, *IEEE Communications magazine*, Vol. 50, Núm. 7, 2012, pp. 177-183, ESTADOS UNIDOS DE AMERICA.

- CORUJO, D.; AGUIAR, R.L.; VIDAL, I. ; GARCIA, J. J.
A Named Data Networking Flexible Framework for Management Communications, *IEEE Communications magazine*, Vol. 50, Núm. 12, 2012, pp. 36-43, ESTADOS UNIDOS DE AMERICA.
- CUEVAS, A. ; NICOLL, W.
The Challenges of IMS Deployment at Telefonica Germany, *IEEE Communications magazine*, Vol. 50, 2012, pp. 120-127, ESTADOS UNIDOS DE AMERICA.
- CUSTODIO, V.; HERRERA, F.J.; LOPEZ, G.I.; MORENO, J.I.
A Review on Architectures and Communications Technologies for Wearable Health-Monitoring Systems, *Sensors*, Vol. 12, 2012, pp. 13907-13946, SUIZA.
- Delgado Kloos, Carlos ; HERNANDEZ, D.; ASENSIO, J.I.
Technology for Learning across Physical and Virtual Spaces J.UCS Special Issue, *Journal of universal computer science*, Vol. 18, 2012, pp. 2093-2096, AUSTRIA.
- DI SERIO, A.; IBAÑEZ, M. B. ; Delgado Kloos, Carlos
Impact of an augmented reality system on students' motivation for a visual art course, *Computers and Education*, 2012, HOLANDA.
- ESTEVEZ-AYRES, I.; BASANTA, P. ; GARCIA, M.S.
Composing and scheduling service-oriented applications in time-triggered distributed real-time Java environments, *Concurrency and computation*, 2012, REINO UNIDO.
- FAMILIAR, M.S.; MARTINEZ, J.F.; CORREDOR, I.; GARCIA-RUBIO, C.
Building service-oriented Smart Infrastructures over Wireless Ad Hoc Sensor Networks: A middleware perspective, *Computer networks*, Vol. 56, Núm. 4, 2012, pp. 1303-1328, HOLANDA.
- FERNANDEZ, N. ; ARIAS FISTEUS, J. ; SANCHEZ, L. ; FUENTES, D.
WikiIdRank: an unsupervised approach for entity linking based on instance co-occurrence, *International journal of innovative computing, information and control*, Vol. 8, Núm. 11, 2012, pp. 7519-7541, JAPON.
- FERNANDEZ, N. ; ARIAS FISTEUS, J. ; SANCHEZ, L. ; LOPEZ, G.
IdentityRank: Named entity disambiguation in the news domain, *Expert systems with applications*, Vol. 39, Núm. 10, 2012, pp. 9207-9221, REINO UNIDO.
- GARCIA, A.; SERRANO, P.; BANCHS, A.; HOLLICK, M.A.
Balancing energy efficiency and throughput fairness in IEEE 802.11 WLANs, *Pervasive and Mobile Computing*, Vol. 8, Núm. 5, 2012, pp. 631-645, HOLANDA.
- GARCIA, M.S.; ALONSO, A.; PUENTE, J.A.
A dual-band priority assignment algorithm for dynamic QoS resource management, *Future generation computer systems*, Vol. 28, Núm. 6, 2012, pp. 902-912, HOLANDA.
- GARCÍA-MARTÍNEZ, A. ; BAGNULO, M.G.
An Integrated Approach to Prevent Address Spoofing in IPv6 Links, *IEEE Communications letters*, Vol. 16, Núm. 11, 2012, pp. 1900-1902, ESTADOS UNIDOS DE AMERICA.
- GRAMAGLIA, M.; URUEÑA, M. ; MARTINEZ, I.
Off-line incentive mechanism for long-term P2P backup storage, *Computer communications*, Vol. 35, Núm. 12, 2012, pp. 1516-1526, HOLANDA.
- IBAÑEZ, M. B. ; GARCIA, J. J. ; MORILLO, D.; Delgado Kloos, Carlos
Creating Test Questions for 3D Collaborative Virtual Worlds: the WorldOfQuestions Authoring Environment, *Journal of universal computer science*, Vol. 18, Núm. 18, 2012, pp. 2556-2575, AUSTRIA.

- IBAÑEZ, M. B. ; MAROTO, D.; GARCIA, J. J. ; Derick Leony; Delgado Kloos, Carlos
Architecture for Collaborative Learning Activities in Hybrid Learning Environments, *Journal of universal computer science*, Vol. 18, Núm. 15, 2012, pp. 2187-2202, AUSTRIA.
- KRISHNAN, S.; LAGANIER, J.; BONOLA, M.; GARCÍA-MARTÍNEZ, A.
Secure Proxy ND Support for SEcure Neighbor Discovery (SEND), *RFC (Request for Comments)*, Núm. RFC 6496, 2012, pp. 1-24.
- LOPEZ, G.I.; MOURA, P.; KANTSEPOLSKY, B.; SIKORA, M.; MORENO, J.I.; DE ALMEIDA, A.
European FP7 Project ENERSip: Bringing ICT and Energy Together, *IEEE Communications magazine*, 2012, ESTADOS UNIDOS DE AMERICA.
- MARTINEZ, J.
A stress-awareness approach to safer decision making in the trading process integrating biometric sensor technology, *Journal of ambient intelligence and smart environments*, Vol. 4, 2012, pp. 477-478, HOLANDA.
- MARTINEZ, J.; AUGUSTO, J.C.; SPEEPOLD, R.; MARTINEZ, N.
A Sensor Technology Survey for a Stress-Aware Trading Process, *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, Vol. 42, 2012, pp. 809-824, ESTADOS UNIDOS DE AMERICA.
- MUÑOZ, M.; MUÑOZ, P. ; Delgado Kloos, Carlos
Sending Learning Pills to Mobile Devices in Class to Enhance Student Performance and Motivation in Network Services Configuration Courses, *IEEE Transactions on Education*, Vol. 55, Núm. 1, 2012, pp. 83-87, ESTADOS UNIDOS DE AMERICA.
- MUÑOZ, M.; MUÑOZ, P. ; Delgado Kloos, Carlos
Using bluetooth to implement a pervasive indoor positioning system with minimal requirements at the application level, *Journal of mobile information systems*, Vol. 8, Núm. 1, 2012, pp. 73-82, HOLANDA.
- MUÑOZ, P. ; FERNANDEZ, M.; MUÑOZ, M.; Delgado Kloos, Carlos
An adaptive and innovative question-driven competition-based intelligent tutoring system for learning, *Expert systems with applications*, Vol. 39, Núm. 8, 2012, pp. 6932-6948, REINO UNIDO.
- MUÑOZ, P. ; MARTINEZ, F.; MUÑOZ, M.; Delgado Kloos, Carlos
Magiclearning: a serious game for learning based in a magic world, *International journal of innovative computing, information and control*, Vol. 8, Núm. 11, 2012, pp. 7781-7791, JAPON.
- OLIVA, A.; BANCHS, A.; SERRANO, P. F.
Throughput and energy-aware routing for 802.11 based mesh networks, *Computer communications*, Vol. 35, Núm. 12, 2012, pp. 1433-1446, HOLANDA.
- OLIVA, A.; BANCHS, A.; SERRANO, P.; ZDARSKY, F.A.
Providing throughput guarantees in heterogeneous wireless mesh networks, *Wireless Communications and Mobile Computing*, 2012.
- OLIVA, A.; CALDERON, Maria; BERNARDOS, C. J. ; WAKIKAWA, R.
Client and network-based dual stack mobility management, *IEEE wireless communications*, Vol. 19, Núm. 5, 2012, pp. 74-82, ESTADOS UNIDOS DE AMERICA.
- PARDO, A. ; ARIAS FISTEUS, J. ; Delgado Kloos, Carlos
A Distributed Collaborative System for Flexible Learning Content Production and Management, *Journal of Research and Practice in Information Technology*, Vol. 44, Núm. 2, 2012, pp. 203-221, AUSTRALIA.

- PATRAS, P.; BANCHS, A.; SERRANO, P.
A Control Theoretic Scheme for Efficient Video Transmission over IEEE 802.11e EDCA WLANs, *ACM transactions on multimedia computing communications and applications*, Vol. 8, Núm. 3 (article 29), 2012, pp. 1-23, ESTADOS UNIDOS DE AMERICA.
- PEREZ, M.D.M.; HERNANDEZ, D.
4SPPIces: Factors in the Design of Adaptive and Intelligent Systems for CL Scripts Blending Spaces, *IEEE Learning Technology Newsletter*, Vol. 14, Núm. 1, 2012, GRECIA.
- PEREZ, M.D.M.; MARTINEZ, A.; Delgado Kloos, Carlos
EtiquetAR: a Tool for Designing Tag-based Mobile Augmented Reality Experiences, *Bulletin of the Technical Committee on Learning Technology*, Vol. 14, Núm. 4, 2012, pp. 27-30.
- PEREZ, M.D.M.; RAMIREZ, G.A.; HERNANDEZ, D.; MUÑOZ, M.; SANTOS, P.; BLAT, J.; Delgado Kloos, Carlos
Discovering the Campus Together: a mobile and computer-based learning experience, *Journal of Network and Computer Applications*, Vol. 35, Núm. 1, 2012, pp. 176-188, ESTADOS UNIDOS DE AMERICA.
- PEREZ, M.D.M.; SANTOS, P.; HERNANDEZ, D.; BLAT, J.
4SPPIces: a case study of factors in a scripted collaborative-learning blended course across spatial locations, *International Journal of Computer-Supported Collaborative Learning*, Vol. 7, Núm. 3, 2012, pp. 443-465.
- REVIRIEGO, P. ; MAESTRO, J.A.; HERNANDEZ, J.A.; LARRABEITI, D.
Study of the potential energy savings in Ethernet by combining Energy Efficient Ethernet and Adaptive Link Rate, *Transactions on Emerging Telecommunications Technologies*, Vol. 23, Núm. 3, 2012, pp. 227-233.
- RODRIGUEZ-CARRION, A.; GARCIA-RUBIO, C. ; CAMPO, C. ; CORTES, A.; GARCIA, E.M.; NORIEGA, P.D.
Study of LZ-Based Location Prediction and Its Application to Transportation Recommender Systems, *Sensors*, Vol. 12, Núm. 6, 2012, pp. 7496-7517, SUIZA.
- ROMERO, V.A.; PARDO, A. ; BURGOS, D.; Delgado Kloos, Carlos
Monitoring student progress using virtual appliances: a case study, *Computers and Education*, Vol. 58, Núm. 4, 2012, pp. 1058-1067, HOLANDA.
- SANCHEZ, R.M.; ALMENARES, F. ; ARIAS, P.; DIAZ, D. ; MARIN, A.
Enhancing Privacy and Dynamic Federation in IdM for Consumer Cloud Computing, *IEEE Transactions on consumer electronics*, Vol. 58, Núm. 1, 2012, pp. 95-103, ESTADOS UNIDOS DE AMERICA.
- SANCHEZ, R.M.; ALMENARES, F. ; DIAZ, D. ; MARIN, A. ; ARIAS, P.; SANVIDO, F.
An Event Driven Hybrid Identity Management Approach to Privacy Enhanced e-Health, *Sensors*, Vol. 12, Núm. 5, 2012, pp. 6129-6154, SUIZA.
- SANDONIS, V.; CALDERON, Maria; SOTO, I.; BERNARDOS, C. J.
Design and performance evaluation of a PMIPv6 solution for geonetworking-based VANETs, *Ad Hoc Networks*, 2012, HOLANDA.
- SANTOS, P.; HERNANDEZ, D.; PEREZ, M.D.M.; BLAT, J.
Modeling the Computing Based Testing domain extending IMS QTI: Framework, models and exemplary implementations, *Computers in Human Behavior*, Vol. 28, Núm. 5, 2012, pp. 1648-1662, HOLANDA.
- SEOANE, I. ; CALLE, E.; HERNANDEZ, J.A.; SEGOVIA, J.; ROMERAL, R. ; VILA, P.; URUEÑA, M. ; MANZANO, M.
Failure propagation in GMPLS optical rings: CTMC model and performance analysis, *Optical switching and networking*, Vol. 9, Núm. 1, 2012, pp. 39-51, HOLANDA.

- SEOANE, I. ; HERNANDEZ, J.A.; ROMERAL, R. ; LARRABEITI, D.
Analysis and simulation of a delay-based service differentiation algorithm for IPACT-based PONs, *Photonic network communications*, Vol. 24, Núm. 3, 2012, pp. 228-236, ESTADOS UNIDOS DE AMERICA.
- SERRANO, P.; OLIVA, A.; PATRAS, P.; MANCUSO, V.; BANCHS, A.
Greening wireless communications: Status and future directions, *Computer communications*, Vol. 35, Núm. 14, 2012, pp. 1651-1661, HOLANDA.
- URUEÑA, M. ; MUÑOZ, A.; LARRABEITI, D.
Analysis of privacy vulnerabilities in single sign-on mechanisms for multimedia websites, *Multimedia Tools and Applications*, 2012, ESTADOS UNIDOS DE AMERICA.
- UTRAY, F.; CASTRO, M.D.; MORENO, L. ; RUIZ, M.B.
Monitoring Accessibility Services in Digital Television, *International Journal of Digital Multimedia Broadcasting*, Núm. 2012, 2012, EGIPTO.
- YNDURAIN, E.; BERNHARDT, D.; CAMPO, C.
Augmenting Mobile Search Engines to Leverage Context Awareness, *IEEE Internet Computing*, Vol. 16, Núm. 2, 2012, pp. 17-25, ESTADOS UNIDOS DE AMERICA.

Colaboraciones en obras colectivas

- BASANTA, P. ; ANDERSON, J.S.
Using Real-Time Java in Distributed Systems: Problems and Solutions, en: Distributed and Embedded Real-Time Java Systems, SPRINGER , pp. 23-43, 2012.
- DE LA FUENTE-VALENTIN, L.; PEREZ, M.D.M.; SANTOS, P.; HERNÁNDEZ-LEO, D.; PARDO, A.; Delgado Kloos, Carlos ; BLAT, J.
System Orchestration Support for a Collaborative Blended Learning Flow, en: Intelligent Adaptation and Personalization Techniques in Computer-Supported Collaborative Learning, (1), SPRINGER , REINO UNIDO, pp. 29-46, 2012.
- LOPEZ, G.I.; MORENO, J.I.; MOURA, P.; DE ALMEIDA, A.
Plataforma para aumento da eficiencia energética e otimização de microrredes, en: Casas Inteligentes. Electricidade Moderna, BRASIL, 2012.
- RODRIGUEZ-CARRION, A.; CAMPO, C. ; GARCIA-RUBIO, C.
Recommendations on the Move, en: Recommender Systems for the Social Web, SPRINGER VERLAG GMBH, ALEMANIA, pp. 179-194, 2012.
- SERRANO, P.; BANCHS, A.; LESSMANN, J.; LOUREIRO, P.; FITZPATRICK, J.; ROBITZSCH, S.
Towards Carrier-Grade Quality in Heterogeneous Wireless Mesh Networks, en: Wireless Multi-Access Environments and Quality of Service Provisioning: Solutions and Applications, IGI GLOBAL, ESTADOS UNIDOS DE AMERICA, pp. 187-217, 2012.
- VAZQUEZ, M. C. ; MONTALVO, J. ; AHMED, J.; BOLT, D.; CAUCHETEUR, C.; FRANZL, G.; GRAVEY, P.; LARRABEITI, D.; LAZARO, J.A.; LOUKINA, T.; MOEYAERT, V.; PRAT, J.; WOSINSKA, L.; YUKSEL, K.
Signal Processing, Management and Monitoring in Transmission Networks, en: Optical Transmission: The FP7 BONE Project Experience, SPRINGER , pp. 53-122, 2012.

Ponencias y Comunicaciones a congresos

- ARIAS, P.; ALMENARES, F. ; SANCHEZ, R.M.; MARIN, A. ; DIAZ, D.
Multi-Device Single Sign-on for Cloud Service Continuity; en: 2012 IEEE International Conference on Consumer Electronics (ICCE), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

- BASANTA, P. ; GARCIA, M.S.
Towards a Reconfiguration Service for Distributed Real-Time Java, International Workshop on Real-Time and Distributed Computing in Emerging Applications (REACTION 2012) Co-located with IEEE RTSS 2012, SAN JUAN, PUERTO RICO, 2012.

- BERNARDOS, C. J. ; ZUÑIGA, J.C.; REZNIK, A.
Towards Flat and Distributed Mobility Management: a 3GPP Evolved Network Design; en: IEEE International Conference on Communications (ICC 2012), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

- COSTA, R.; MELIA, T.; EZNARRIAGA, L.; GIUST, F.; OLIVA, A.; BERNARDOS, C. J.
Wireless Multi-Access Delivery for SVC-based Video Applications, 4th International Conference on Mobile Networks and Management (MONAMI 2012), HAMBURGO, ALEMANIA, 2012.

- Derick Leony; CRESPO, R. ; PEREZ, M.D.M.; PARADA, H.A.; FUENTE, L.; PARDO, A.
Coverage Metrics for Learning-Event Datasets on Client-Side Monitoring; en: Proceedings of the: 12th IEEE International Conference on Advanced Learning Technologies (ICALT 2012), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, ESTADOS UNIDOS DE AMERICA, 2012.

- Derick Leony; PARDO, A. ; FUENTE, L.; QUIÑONES, I.; Delgado Kloos, Carlos
Learning Analytics in the LMS: Using Browser Extensions to Embed Visualizations into a Learning Management System, Towards Theory and Practice of Teaching Analytics, TaPTA Workshop at EC-TEL 2012, SAARBRÜCKEN, ALEMANIA, 2012.

- Derick Leony; PARDO, A. ; FUENTE, L.; SANCHEZ DE, D.; Delgado Kloos, Carlos
GLASS: A First Look through a Learning Analytics System, Second International Conference on Learning Analytics and Knowledge (LAK12), VANCOUVER, CANADA, 2012.

- Derick Leony; PARDO, A. ; PARADA, H.A.; Delgado Kloos, Carlos
A Cloud-Based Architecture for an Affective Recommender System of Learning Resources, 1st International Workshop on Cloud Education Environments (WLOUD 2012), ANTIGUA, GUATEMALA, 2012.

- Derick Leony; PARDO, A. ; PARADA, H.A.; Delgado Kloos, Carlos
A Widget to Recommend Learning Resources Based on the Learner A ective State, 3rd International Workshop on Motivational and Affective Aspects of Technology Enhanced Learning (MATEL 2012), SAARBRÜCKEN, ALEMANIA, 2012.

- DIAZ, D. ; MARIN, A. ; ALMENARES, F. ; SANCHEZ, R.M.; ARIAS, P.
A Distributed Transcoding System for Mobile Video Delivery; en: 2012 5th Joint IFIP Wireless and Mobile Networking Conference (WMNC), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

- DIAZ, D. ; SANCHEZ, R.M.; MARIN, A. ; ALMENARES, F. ; ARIAS, P.
A H.264 SVC Distributed Content Protection System with Flexible Key Stream Generation; en: 2012 IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

- GARCIA, A.; BANCHS, A.; SERRANO, P.; WIDMER, J.
Distributed Opportunistic Scheduling: A Control Theoretic Approach; en: 2012 Proceedings IEEE INFOCOM, IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- GARCIA, A.; SERRANO, P.; BANCHS, A.; BIANCHI, G.
Energy Consumption Anatomy of 802.11 Devices and its Implication on Modeling and Design; en: Proceedings of the 8th International Conference on Emerging Networking Experiments and Technologies, ACM, ESTADOS UNIDOS DE AMERICA, 2012.
- GARCIA, E.M.; CAMPO, C. ; GARCIA-RUBIO, C. ; CORTES, A.
Bandwidth Efficient Broadcasting in VANETs; en: Wireless Communications and Mobile Computing Conference (IWMCM), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- GARCIA, E.M.; CAMPO, C. ; GARCIA-RUBIO, C. ; CORTES, A.; RODRIGUEZ-CARRION, A.; NORIEGA, P.D.
An Efficient, Eco-Friendly Approach for Push-Advertising of Services in VANETs; en: Ubiquitous Computing and Ambient Intelligence: 6th International Conference, UCAmI 2012, Vitoria-Gasteiz, Spain, December 3-5, 2012. Proceedings, SPRINGER , , 2012.
- GARCIA, M.S.; BASANTA, P.
A Practical Solution for Functional Reconfiguration of Real-Time Service Based Applications through Partial Schedulability, International Workshop on Real-Time and Distributed Computing in Emerging Applications (REACTION 2012) Co-located with 33rd IEEE Real-Time Systems Symposium, *SAN JUAN, PUERTO RICO*, 2012.
- GARCIA, M.S.; CASTRO, R.; ESTEVEZ-AYRES, I.; BASANTA, P. ; RODRIGUEZ, I.
A Bounded-time Service Composition Algorithm for Distributed Real-time Systems; en: 2012 IEEE 14th International Conference on High Performance Computing and Communication & 2012 IEEE 9th International Conference on Embedded Software and Systems (HPCC-ICISS), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- GARCIA, M.S.; IBAÑEZ, F.
Integrating Middleware for Timely Reconfiguration of Distributed Soft Real-Time Systems with Ada DSA; en: Reliable Software Technologies &- Ada-Europe 2012: 17th Ada-Europe International Conference on Reliable Software Technologies, Stockholm, Sweden, June 11-15, 2012. Proceedings, SPRINGER , 2012.
- HERNANDEZ, J.A.; SEOANE, I. ; ROMERAL, R. ; LARRABEITI, D.
A Note on Potential Energy Savings by Extending the Average Cycle Times in Passive Optical Networks; en: 2012 17th European Conference on Networks and Optical Communications (NOC), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, , 2012.
- LARRABEITI, D.; HERNANDEZ, J.A.; SEOANE, I. ; ROMERAL, R.
Managing Delay in the Access; en: 2012 17th European Conference on Networks and Optical Communications (NOC), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, , 2012.
- LOPEZ, F.; MORENO, J.I.; BRITO, A.; EINSIEDLER, H.J.; AGUIAR, R.L.; JESUS, V.; GALVEZ, R.
Challenges in the implementation of seamless mobility in the current and future telecommunication infrastructure, ITG Fachtagung Mobilkommunikation, *Osnabrück, ALEMANIA*, 2012.
- LOPEZ, G.I.; MOURA, P.; CUSTODIO, V.; MORENO, J.I.
Modeling the Neighborhood Area Networks of the Smart Grid, IEEE ICC 2012 SAC Smart Grid, *Ottawa, CANADA*, 2012.
- MANZANO, M.; HERNANDEZ, J.A.; URUEÑA, M. ; CALLE, E.
A First Measurement Study of Online Cloud Gaming, 2nd Workshop "Future Internet: Efficiency in high-speed networks" (W-FIERRO 2012), *CARTAGENA, ESPAÑA*, 2012.

- MANZANO, M.; HERNANDEZ, J.A.; URUEÑA, M. ; CALLE, E.
An Empirical Study of Cloud Gaming, 11th Annual Workshop on Network and Systems Support for Games (NetGames 2012), VENEZIA, ITALIA, 2012.
- MARIN, A. ; DIAZ, D. ; ALMENARES, F. ; ARIAS, P.; SANCHEZ, R.M.; SANVIDO, F.
Private Cloud and Media Privacy in Social Networks; en: 2012 IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- MOURA, P.; LOPEZ, G.I.; DE ALMEIDA, A.; MORENO, J.I.
Evaluation Methodologies and Regulatory Issues in Smart Grid Projects with Local Generation-Consumption Matching, International Workshop on Energy Efficiency for a More Sustainable World 2012, *Sao Miguel*, PORTUGAL, 2012.
- MOURA, P.; LOPEZ, G.I.; DE ALMEIDA, A.; MORENO, J.I.
Monitorização e Controlo de Cargas em Edifícios Residenciais para a Redução de Consumos e Otimização da Geração Local, PCEEE2012, *Coimbra*, PORTUGAL, 2012.
- NORIEGA, P.D.; CAMPO, C. ; GARCIA-RUBIO, C. ; RODRIGUEZ-CARRION, A.
MOFETA: A Network Architecture Based on MOBILE FEmtocells to Enhance Cellular Connectivity on TrAins; en: Communication Technologies for Vehicles: Proceedings 4th International Workshop. Nets4Cars/Nets4Trains 2012, SPRINGER VERLAG GMBH, 2012.
- OLIVA, A.; MORELLI, A.; CICONETTI, C.; MANCUSO, V.; DRAEXLER, M.; HENTSCHEL, T.; MELIA, T.; SEITE, P.
Denser Networks for the Future Internet, the CROWD Approach, 4th International Conference on Mobile Networks and Management (MONAMI 2012). Workshop Open Connectivity Services , *HAMBURGO*, ALEMANIA, 2012.
- PARDO, A. ; PEREZ, M.D.M.; PARADA, H.A.; Derick Leony
Flip with Care, SoLAR Southern Flare Conference, *SIDNEY*, AUSTRALIA, 2012.
- PEREZ, M.D.M.; EMIN, V.; HERNANDEZ, D.
Considering the space in the design of learning activities: the ISIS and 4SPPIces models applied to science inquiries; en: Proceedings of the: 12th IEEE International Conference on Advanced Learning Technologies (ICALT 2012), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, ESTADOS UNIDOS DE AMERICA, 2012.
- SALVADOR, P.; GRINGOLI, F.; MANCUSO, V.; SERRANO, P.; MANNOCCHI, A.; BANCHS, A.
VoIPiggy: Implementation and Evaluation of a Mechanism to Boost Voice Capacity in 802.11 WLANs; en: 2012 Proceedings IEEE INFOCOM, IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- SANCHEZ, R.M.; ALMENARES, F. ; DIAZ, D. ; ARIAS, P.; MARIN, A.
A Model for Dimensioning a Secure Event-Driven Health Care System; en: 2012 5th Joint IFIP Wireless and Mobile Networking Conference (WMNC), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, ESTADOS UNIDOS DE AMERICA, 2012.
- SANCHEZ, R.M.; ARIAS, P.; ALMENARES, F. ; DIAZ, D.
Trust-Aware Federated IdM in Consumer Cloud Computing; en: 2012 IEEE International Conference on Consumer Electronics (ICCE), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

- SANTOS, P.; PEREZ, M.D.M.; HERNANDEZ, D.; BLAT, J.
Space-aware Design Factors for Located Learning Activities Supported with Smart Phones; en: Proceedings of the 6th Multimedia and Ubiquitous Engineering (MUE 2012), , 2012.
- SANVIDO, F.; DIAZ, D. ; SANCHEZ, R.M.; ALMENARES, F. ; ARIAS, P.
Privacy Enhanced Cloud Services Home Aggregator; en: 2012 IEEE International Conference on Consumer Electronics (ICCE), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- SCHEFFEL, M.; NIEMANN, K.; Derick Leony; PARDO, A. ; SCHMITZ, H.C.; WOLPERS, M.; Delgado Kloos, Carlos
Key Action Extraction for Learning Analytics, 7th European Conference on Technology Enhanced Learning (EC-TEL 2012), SAARBRÜCKEN, ALEMANIA, 2012.
- TYSON, G.; CUEVAS, R.; SASTRY, N.; RIMAC, I.; MAUTHE, A.
A Survey of Mobility in Information-Centric Networks: Challenges and Research Directions; en: Proceedings of the 1st ACM workshop on Emerging Name-Oriented Mobile Networking Design: Architecture, Algorithms, and Applications, ACM, ESTADOS UNIDOS DE AMERICA, 2012.
- VERMA, K.; GIANLUCA, R.; FERNANDEZ, A.; CUEVAS, R.; AZCORRA, A.
Greening the Internet: Energy-Optimal File Distribution; en: 2012 11th IEEE International Symposium on Network Computing and Applications (NCA), IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.
- WIDMER, J.; CAPALBO, A.; FERNANDEZ, A.; BANCHS, A.
Rate Allocation for Layered Multicast Streaming with Inter-Layer Network Coding; en: 2012 Proceedings IEEE INFOCOM, IEEE - THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, 2012.

Actividades de formación y movilidad de personal investigador

Estancias en otros centros

- ALBERT BANCHS ROCA
Título: Estudios de investigación
Centro Externo: 1. Swiss Federal Institute of Technology (ETHZ),
País: SUIZA
Duración: 01/05/2012 a 01/08/2012.
- CARLOS DELGADO KLOOS
Título: Estudios de investigación
Centro Externo: Universidad de Harvard
País: ESTADOS UNIDOS DE AMERICA
Duración: 28/06/2012 a 29/07/2012.
- IRIA MANUELA ESTEVEZ AYRES
Título: Investigación sobre middleware con calidad de servicio y redes.
Centro Externo: Lancaster University
País: REINO UNIDO
Duración: 03/12/2011 a 02/04/2012.

- **IVAN VIDAL FERNANDEZ**
Título: Information-Centric Networking
Centro Externo: Instituto de Telecomunicações
País: PORTUGAL
Duración: 23/02/2012 a 06/08/2012.

- **MANUEL URUEÑA PASCUAL**
Título: Beca de Movilidad en el Extranjero "José Castillejo" para jóvenes doctores
Centro Externo: Ericsson Research
País: FINLANDIA
Duración: 05/03/2012 a 29/08/2012.

- **PATRICIA ARIAS CABARCOS**
Título: Trust and reputation management over identity, management systems
Centro Externo: NEC Laboratories Europe
País: ALEMANIA
Duración: 01/09/2011 a 15/02/2012.

- **RUBEN CUEVAS RUMIN**
Título: Evolución de las Redes Sociales en Internet
Centro Externo: University of Oregon
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/01/2012 a 01/12/2012.