Curriculum Vitae

Gorka Guardiola Múzquiz

paurea@lsub.org
Caleruega 45 piso 18D
28033 Madrid, Spain
Tlf: +34 675248646

Birth date: 12/25/1977
Born in: Pamplona, Spain

Current situation:

- Fourth year of PHD., writing up my thesis at Rey Juan Carlos University where I work as teaching assistant of operating systems, mainly Plan 9 and Inferno. Form part of GSYC, Operating Systems & Networking Group. Working on Plan B, a new operating system which we are developing based on Plan 9.

Studies:

School at Willoughby English school

Bachiller and Selectividad (Spanish preunivesity studies) C.E.U.

Telecomunication Engineering, a five year degree at Carlos III University, Madrid, Spain.

Aditional education:

Given and received various Linux, LaTeX and other Linux related short courses and seminaries as a member of the Carlos III University Linux user group.

Languages:

Proficiency. Cambridge University

First Certificate. Cambridge University

Computer usage:

Several programing languages: C, Limbo, C++, Java, Gofer, SR, some assemblers and Lisp.

Deep knowledge as developer, sysadmin and user of the Linux operating system.

Deep knowledge as developer and sysadmin of Plan 9 and Inferno.

Experience:

- Grant at the Department of Telematic Engineering Carlos III University, Madrid, Spain.
- Implementation of CompositeCalls on Linux kernel. Computer Science Department. Carlos III University.
- Collaborator at the Systems and Communications Group at Carlos III Univ.
- Design and implementation with Francisco Ballesteros of an improvement on the NFS filesystem on Linux.
- Taught computer architecture and operating systems at an academy called Pepe.
- Graduating project; video card driver for Plan 9 for a SiS vide card.
- Implemented a student assigns program checker for Inferno.
- Developed part of Curoco, the context architecture of Plan B.
- Implemented the first version of the user interface for Plan B, which anounces a widget filesystem to the net using libcontrol.
- Summer internship at IBM Austin Research Lab. Rewrote recoverfs for Plan 9 4th edition and wrote a shared memory communication channel for Xen hypervisor.
- Second summer internship at IBM Austin Research Lab. programmed a stackable block device.
- Currently porting parts of Plan B to Plan 9 ports.

Prizes:

- Grant award for high grades on:
  - Computer Architecture Laboratory
  - Microprocessors Laboratory
  - Net Computing.

Publications:

Paper "SHAD: A Human Centered Security Architecture for the Plan B Operating System", Enrique Soriano, Francisco J. Ballesteros, Gorka Guardiola. Accepted for IEEE PerCom 2007.

Article "Plan B: Boxes for network resources." F. J. Ballesteros, G. Guardiola, K. Leal, E.Soriano, P. Heras, E. M. Castro, S. Arévalo. Journal of the Brazilian Computer Society, special issue on Adaptive Software Systems ISSN 0104-6500.

Paper "A P2P Single Sign-On which remains Single on Smart Spaces", Enrique Soriano, Francisco J. Ballesteros, Gorka Guardiola. Second International Workshop on Ubiquitous Computing and Ambient Intelligence, WUCAMI 06.

Article "The Plan B OS for Ubiquitous Computing. Voice, Security, and Terminals as Case Studies." Francisco J. Ballesteros, Enrique Soriano, Gorka Guardiola Muzquiz, Katia Leal Algara. Elsevier Pervasive and Mobile Computing Journal. 2(2006), 472-488. 2006.

Paper "Plan B: An Operating System for Ubiquitous Computing Environments." Francisco J. Ballesteros, Enrique Soriano, Katia Leal, Gorka Guardiola. PerCom 2006.

Paper "Omero: Ubiquitous User Interfaces in the Plan B Operating System." Francisco J Ballesteros, Gorka Guardiola, Katia Leal, Enrique Soriano. PerCom 2006.

TechRep "The Design and Implementation of Plan B 3rd edition. A dynamic distributed computing environment." Francisco J. Ballesteros, Katial Leal, Gorka Guardiola, and Enrique Soriano. GSyC Tech. Rep 2004-05 Percom 2005.

Paper "UbiTerm: A hand-held control-center for user's activity mobility." Katia Leal, Francisco J. Ballesteros, Enrique Soriano, and Gorka Guardiola. IEEE International Conference on Pervasive Services 2005.

Paper "CUROCO: a distributed architecture for the dynamic generation, composition and use of context in highly dynamic and heterogeneous environments", Proceedings of teh 1st international doctoral symposium on Middleware, Pages 287-289, 2004, Gorka Guardiola.

Paper "Traditional Systems can Work Well for Pervasive Applications. A Case Study: Plan 9 from Bell Labs Becomes Ubiquitous.", Francisco J. Ballesteros, Gorka Guardiola, Enrique Soriano and Katia Leal. IEEE Percom 2005.

Paper "A Mobile and ubiquitous system for the new millennium. Doing new things with ancient technology from the 70s!.", Gorka Guardiola Muzquiz and Katia Leal Algara. Demonstration at WMCSA 2004 Francisco Ballesteros, Gorka Guardiola, Enrique Soriano, and Katia Leal.

Paper "/net. A Network Abstraction for Mobile and Ubiquitous Computing Environments in the Plan B Operating System." Francisco J. Ballesteros, Eva M. Castro, Gorka Guardiola Muzquiz, Katia Leal Algara, and Pedro de las Heras Quiros. Accepted for WMCSA, 2004.

Demo "A Mobile and ubiquitous system for the new millennium. Doing new things with ancient technology from the 70s!." Gorka Guardiola Muzquiz and Katia Leal Algara. Demonstration at WMCSA 2004.

Hobbies:

Reading, Maths, rock climbing, travelling, karate-do, computers in general.