

CURRICULUM VITAE

CONTACT INFORMATION

Name: **José Luis González Campeán.**
Address: Joan Guell No 150 piso 3 puerta 2
Barcelona, España

Rio Usumacinta 1505 fracc. Altavista.
cd. Valles, S.L.P. Mexico.
Telephone: + 34 93 4016783.(BCN)
+ 52 48 13819095 (MEX)
Cell Phone: +34 687090933 (BCN)
+52 4811189275 (MEX)
e-mail: joseluig@ac.upc.edu
web: www.adaptivez.org.mx

PERSONAL INFORMATION

Date of Birth: 31 Jul 1973.
Place of Birth: Cd. Valles, S.L.P. Mexico
Citizenship: Mexican
Marital Status: Married
Children: 2

EDUCATION

2008: **PhD. Thesis:** "Optimization and functional Improvement of Disk Arrays (RAID systems)"
Thesis Advisor: Dr. Toni Cortes Rossello.
Reading Place: Technical University of Catalonia (UPC), Barcelona, Spain.
Reading Date: November 2008
2004-2005: Achieving ASD (Advanced Studies Diploma) at UPC.
2002-2004: Achieving 100% of PhD academic courses, UPC Barcelona, Spain.
1996: Graduate: Computer Systems Engineer, University of Tamaulipas. Cd. Mante, Mexico.

RESEARCH SKILLS

Extensive Knowledge of Parallel disks systems, block distributions on homogeneous and heterogeneous storage systems in distributed environments, design of adaptive data placement methods for disk arrays, architecture of storage-systems simulators and building modules for distributing blocks on RAID systems.

PUBLICATIONS

- J.L. Gonzalez and Toni Cortes. **Distributing Orthogonal Redundancy on Adaptive Disk Arrays** In the proceedings book: International Conference on Grid Computing, High-performance and Distributed Applications" GADA'08.

- J.L. Gonzalez and Toni Cortes. **Adaptive data placement based on deterministic zones (AdaptiveZ)** In the proceedings book: Lecture Notes in Computer Science Book Series: Lecture Notes in Computer Science, Springer Berlin / Heidelberg ISSN 0302-9743 (Print) 1611-3349 (Online) Volume 4804/2007.
- J.L. Gonzalez and Toni Cortes. **Adaptive data placement based on deterministic zones (AdaptiveZ)** In the proceedings book: International Conference on Grid computing, high-performance and Distributed Applications (GADA'07). Vilamoura, Algarve, Portugal, Nov 29 - 30, 2007
- J.L. Gonzalez and Toni Cortes. **Evaluating the Effects of Upgrading Heterogeneous Disk Arrays.** In the proceedings book: International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2006) Calgary, Canada, July 31 - August 2, 2006.
- J.L. Gonzalez and Toni Cortes. **Increasing the capacity of Raid5 by online gradual assimilation.** In the proceedings book: International Workshop on Storage Network Architecture and Parallel I/Os. Antibes Juan-les-pins, France, September 30, 2004.
- J.L. Gonzalez, Toni Cortes, V. Arce and Ryan P. A Case of Adaptive Orthogonal Arrays of Inexpensive mid-ranged Raid. Technical report UPC.
- J.L. Gonzalez and Toni Cortes. Upgrading Heterogeneous disk Arrays. Technical report UPC.
- J.L. Gonzalez and Toni Cortes Expanding online Raid5 systems. Technical report UPC.

AWARDS RECEIVED

Best Paper Award for Computers Systems area to "Evaluating the Effects of Upgrading Heterogeneous Disk Arrays" in the Summer Simulation Multi-Conference 2006 (SPECTS06) of supported by the society for Modeling and Simulation International (SCS), at Calgary, Canada.

EMPLOYMENT HISTORY

- Professor at Technical Institute of Cd. Valles, (Instituto Tecnológico Cd. Valles) S.L.P, Mexico since 1998.
- Chief of Computer Center at Technical Institute of Cd. Valles, S.L.P 2000-2001.
- Manager of Internet Site at Technical Institute of Cd. Valles, S.L.P 1999-2001.
- Chief of computer Laboratory at Technical Institute of Cd. Valles, S.L.P 1998-2000.
- Chief of computer Laboratory at COBACH 16 Cd. Valles, S.L.P 1996-1998.

LANGUAGES

Spanish	Mother tongue
Catalan	Understanding, Speaking, and Writing.
English	Understanding, Speaking, and Writing.
Italian	Understanding and Speaking at basic level.

TEACHING EXPERIENCE

Imparted classes:

- Applications for distributed environments
- Distributed Data Bases
- Programming topics
- Systems Analysis and design (part I and II).
- Basic concepts of Computer Networks.
- Computer Networks.

- Management of Computer Networks.
- Operating Systems (part I and II).
- Data structures (part I and II).
- Computer Maths
- C Programming.
- Data Bases.

CURRENT AND FUTURE WORK

I am currently working on designing data block placement method for adaptive disk arrays, which is able to manage several redundancy schemes even on the same disk array. This method adapts the data layout to the capacity/performance demands while preserving a deterministic data location. This method also has been explained at the invited talks such as *Adapting RAID technology to large heterogeneous clusters* at HeteroPar Workshop, Austin, Texas, September 20, 2007 and *Handling Heterogeneous Storage Devices in Clusters* at IEEE Conference on Cluster Computing (Cluster 2007), Austin, Texas, September 17, 2007

My objectives, in the near future, are to explore the impact of heterogeneity and adaptability on global data location methods for storage systems in widely distributed environments and study in detail those environments in order to propose blocks placement methods for delivering strong data availability.

REFERENCES

Dr. Toni Cortes

Associate Professor at the Computer Architecture Department (DAC) in the Universitat Politècnica de Catalunya (UPC).

e-mail: toni.cortes@bsc.es and toni@ac.upc.edu

telf: +34 934016950

fax: +34 9340170553

Regular-mail:

Computer Architecture Department
UPC - Campus Nord - C6/118
C/ Jordi Girona 1-3
08034 Barcelona
Spain.

Dr.-Ing. André Brinkmann

Prof. Dr.-Ing. at Heinz Nixdorf Institut.

Universität Paderborn, Germany

E-Mail: Andre.Brinkmann@hni.uni-paderborn.de and brinkman@uni-paderborn.de

Telefon: +49 (0) 5251 | 60-6613

Telefax: +49 (0) 5251 | 60-6351

Raum: F2.108

Regular-mail:

Heinz Nixdorf Institut Universität Paderborn
Fürstenallee 11
33102 Paderborn.