

Pedro Díaz

1.05 Informatics Forum. 10 Crichton Street.
EH8 9AB. Edinburgh, United Kingdom
+44-131-650-6013 (office) +44-789-6925-884 (mobile)
pedro.diaz@ed.ac.uk

Education

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| 2006 - present | PhD student, School of Informatics. <i>Expected to finish in May 2010</i>
University of Edinburgh, UK. |
| 2005 | Master of Sciences in Computer Engineering.
Universidad Politécnica de Madrid, Spain. |
| 2004 - 2005 | Exchange student. European SOCRATES/Erasmus student mobility program.
Helsinki University of Technology, Finland. |
| 1999 - 2005 | Undergraduate studies in Computer Engineering.
Universidad Politécnica de Madrid, Spain. |

Research Experience

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| 2006 - present | PhD student at the School of Informatics, University of Edinburgh, UK.
Research topic: Timeliness analysis in data prefetching for second level caches.
Thesis advisor: Prof. Marcelo Cintra (mc@inf.ed.ac.uk). |
| 2005 | Computer Architecture Department. Universidad Politécnica de Madrid, Spain.
Research topic: Parallel evolutionary algorithms.
Contact: Prof. José María Peña (jmpena@fi.upm.es). |
| 2004 | Collaboration with prof. Belén Palop and Diego R. Llanos. Universidad de Valladolid, Spain.
Research topic: Parallelization of geometric algorithms.
Contact: Prof. Belén Palop (b.palop@infor.uva.es). |
| 2003 - 2004 | Computer Architecture Department. Universidad Politécnica de Madrid, Spain.
Research topic: Parallelization of data mining algorithms.
Contact: Prof. José María Peña (jmpena@fi.upm.es). |

Publications

- “Stream Chaining: Exploiting Multiple Levels of Correlation in Data Prefetching”. Pedro Díaz and Marcelo Cintra. 36th International Symposium on Computer Architecture (ISCA). pp 81-92, June 2009.
<http://www.pedrodiaz.com/cs/papers/isca09.pdf>
- “Design and implementation of a parallel evolutionary algorithms library”. Pedro Díaz. Master’s Thesis (In Spanish). Facultad de Informática. Universidad Politécnica de Madrid. November 2005.
<http://www.pedrodiaz.com/cs/papers/masters.thesis.pdf>
- “Parallelizing 2D-Convex Hulls on clusters: Sorting matters”. Pedro Díaz, Diego R. Llanos and Belén Palop. Proceedings of the XV Spanish Conference on Parallelism. Vol XV, pp. 247-252. September 2004.
<http://www.pedrodiaz.com/cs/papers/parachull04.pdf>

Grants and Awards

2009	European Union HiPEAC Paper Award for “Stream Chaining: Exploiting Multiple Levels of Correlation in Data Prefetching”.
10/2004 - 05/2005	European Union SOCRATES/Erasmus mobility grant to visit as an exchange student the Helsinki University of Technology, Finland.
10/2001 - 04/2002	RAIL project developer grant. Universidad Politécnica de Madrid, Spain. Contact: Prof. Jesús Carretero (jcarrete@arcos.inf.uc3m.es).

Society Memberships

Member of the Association for Computing Machinery since 2003. President of the local ACM chapter at the Computer Science School, Universidad Politécnica de Madrid, from September 2004 to December 2005.

Professional Experience

01/2009 - 06/2009	Six month internship at <i>Intel Research Labs</i> , Braunschweig, Germany. Development of a memory controller for a chip multiprocessor system. Contact: Tor Lund-Larsen (tor.lund-larsen@intel.com)
12/2005 - 04/2006	Contracted work for <i>Telefónica Data / Universidad Politécnica de Madrid</i> , Spain. Optimization of a CORBA ORB server. Contact: Prof. José María Peña (jmpena@fi.upm.es).
07/2003 - 09/2003	Two month internship at <i>Plettac Seguridad y Sistemas</i> . Madrid, Spain. Development of a Java conguration tool for CCTV surveillance systems. Contact: Agustín González (agonzalez@plettac-seguridad.com).
07/2002 - 09/2002	Two month internship at <i>Plettac Seguridad y Sistemas</i> . Madrid, Spain. Server systems administration. Contact: Agustín González (agonzalez@plettac-seguridad.com).
07/2001 - 08/2001	One month internship at <i>Delcom Comunicaciones y Sistemas</i> . Madrid, Spain. Development and testing of microcontroller software. Contact: Javier de la Fuente (delcom-jdelafuente@telefonica.net).

Personal

Born on August 22, 1981. Spanish citizen.

Spanish citizen.

Native Spanish speaker. Intermediate French. Fluent English.

09/2005	ETS Test of English as a Foreign Language (TOEFL). Computer-based test. Score: 280/300
11/2003	Cambridge ESOL First Certificate in English. Grade: A