

## **Marios Kleanthous**

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### **EDUCATION**

- University of Cyprus, Pursuing PhD in Computer Science.
- University of Cyprus, MSc in Computer Science, June 2006.
- National and Kapodistrian University of Athens,  
BSc in Informatics and Telecommunications, June 2004.

### **WORK EXPERIENCE**

- 01/2007 - present, University of Cyprus, Computer Architecture Lab, Special Scientist.
- 09/2006 - 12/2006, ARM Ltd (United Kingdom, Cambridge), R&D Department,  
HiPEAC funded internship.
- 12/2004 - 08/2006, University of Cyprus, Computer Architecture Lab, Special Scientist.
- 12/2003 - 06/2004, Greek Ministry of Development, Collaborator of support and guidance "go-online".
- 04/2003 - 06/2004, National and Kapodistrian University of Athens,  
Centre of Energy Policy and Development, Computer Scientist Support Team.

### **TEACHING EXPERIENCE**

- 01/2011 - 04/2011, "EPL372: Parallel Processing", Teaching assistant.
- 09/2010 - 12/2010, "EPL605: Advanced Computer Architecture", Teaching assistant.
- 01/2009 - 04/2009, "EPL372: Parallel Processing", Teaching assistant.
- 01/2009 - 04/2009, "EPL655: Advanced Computer Architecture II", Teaching assistant.
- 09/2008 - 12/2008, "EPL605: Advanced Computer Architecture", Teaching assistant.
- 09/2007 - 12/2007, "EPL421: Computer Architecture", Teaching assistant.
- 01/2007 - 04/2007, "EPL499: Special topics in computer science: Emerging Potentials and Limitations of  
modern Computing Systems", Teaching assistant.
- 09/2005 - 12/2005, "EPL421: Computer Architecture", Teaching assistant.

## **PUBLICATIONS**

### **Refereed Journals**

- "CATCH: A Mechanism for Dynamically Detecting Cache-Content-Duplication in Instruction Caches", Marios Kleanthous and Yiannakis Sazeides, Transactions on Architecture and Code Optimization (Accepted and expecting publication).
- "Improving Branch Prediction by Considering Affectors and Affectees Correlations", Yiannakis Sazeides, Andreas Moustakas, Kipros Constantinides and Marios Kleanthous, Transactions on HiPEAC: 3(1):69-88, 2008

### **Refereed International Conference Proceedings**

- "CATCH: A Mechanism for Dynamically Detecting Cache-Content-Duplication and its Application to Instruction Caches", Marios Kleanthous and Yiannakis Sazeides, Design, Automation and Test in Europe, March 2008
- "The Significance of Affectors and Affectees Correlations for Branch Prediction", Yiannakis Sazeides, Andreas Moustakas, Kipros Constantinides and Marios Kleanthous, International Conference on High Performance Embedded Architectures and Compilers, January 2008

### **Patents**

- "Entry Replacement Within a Data Store", Marios Kleanthous, Sami Yehia, Patent submitted January 2007.

### **Workshops**

- "Extrinsic and Intrinsic Text Cloning", Marios Kleanthous, Yiannakis Sazeides and Marios D. Dikaiakos, WIOSCA 2010 Workshop (held in conjunction with ISCA-37), June 2010.

### **Posters**

- "Using Grid for Micro-Architecture Research", Liqiang He, Christiana Ioannou, Marios Kleanthous and Yiannakis Sazeides, EGEE 2007, October 2007.
- "A Replacement Policy Based on Dynamic Profiling and Hashed Data", Marios Kleanthous, Sami Yehia, Yiannakis Sazeides and Emre Ozer, Poster presentation, ACACES 2007, July 2007.
- "Cache-Content-Duplication for Valid Blocks", Marios Kleanthous and Yiannakis Sazeides, Poster presentation, ACACES 2006, July 2006.
- "CATCH: A method for Dynamically Detecting Cache-Content-Duplication", Marios Kleanthous and Yiannakis Sazeides, Poster presentation, ACACES 2005, July 2005.

## **Technical Reports**

- "Dynamically Detecting Cache-Content-Duplication in Instruction Caches", Marios Kleanthous and Yiannakis Sazeides, TR-CS-03-2007, February 2007.
- "The Duplication of Content in Instruction Caches and its Performance Implications", Marios Kleanthous, Yiannakis Sazeides, TR-CS-01-2005, January 2005.

## **OTHER**

- Selected from HiPEAC for a company internship at ARM Ltd (United Kingdom, Cambridge), 09/2006 - 12/2006.
- Master Thesis: "CATCH: A Method for Dynamically Detecting Cache-Content-Duplication and its Application to Instruction Caches", June 2006.
- Diploma Project: "A survey to Geographic Information Systems and implementation of a simple Geographic Information System", June 2004.