

# Olgert Denas

## Vita

### **Personal**

**Nationality:** Albanian **Status:** Single

**Address:** Emory University, 400 Dowman Dr., Atlanta, GA 30322 **Email:** [odenas@emory.edu](mailto:odenas@emory.edu)

**Phone:** (+1) 404-727-5603 **Cell:** (+1) 678-662-9025

**Current position:** Ph.D. student, Mathematics and Computer Science, Emory University

### **Education**

2007, Laurea Magistrale in Ingegneria Informatica, Universita' di Padova, Padova, Italy (*summa cum laude*)

2004, Laurea Triennale in Ingegneria dell'Informazione, Universita' di Padova, Padova, Italy

### **Positions**

**May-July 2008:** Visiting Researcher, Partner Institute for Computational Biology between Max Plank G and the Chinese Academy of Sciences; Shanghai, P. R. China

**January-May 2008:** Teaching Assistant for Computability and Algorithms in the joint master program between the Georgia Institute of Technology and Korea University; Seoul, South Korea

**September-December 2007:** Research Trainee, Georgia Institute of Technology; Atlanta, GA

**July-August 2006:** Exchange Student, the University of Michigan; Ann-Arbor, Dearborn, MI

### **Scientific Production**

“Algorithms and Applications for Pattern Discovery”; B.S. Thesis, 2004. Advisor: Alberto Apostolico

“Compositional Approaches to Genomic Analysis and Classification”; M.S. Thesis 2007. Advisor: Alberto Apostolico

“Efficient Tools for Comparative Subword Analysis”; Tech. Report, submitted for publication with A. Apostolico, A. Dress, B. Hao. 2008

“Sequence Distances Based on Exhaustive Substring Composition”; *Keynote*, Proceedings of IEEE Information Theory Workshop, Porto, Portugal, May 6-9, 2008 (in press)

“Sequence Distances Based on Exhaustive Substring Composition”; A. Apostolico and O. Denas, *Algorithms for Molecular Biology* 3:13 (28 October 2008)

### **Research Experience**

Algorithms for string matching, text statistics and information extraction; implementation of text indexing data structures; development of tools for pattern discovery and sequence comparison on a genomic scale.

### **Other Experiences**

Implementation of a magnetic badge authentication system for the C.L.A at the University of Padua.

Currently maintaining the web interface on tools developed at the Laboratory of Computation Biology at the DEI (<http://bcb.dei.unipd.it>)

### **Languages**

**Albanian:** native

**Italian:** excellent written and spoken

**English:** very good written and spoken

### **Hobbies**

Soccer, reading, volleyball