

# Ioannis A. Papadopoulos

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## CONTACT INFORMATION

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## PERSONAL INFORMATION

- Born in Thessaloniki at 11th June 1982
- Greek Nationality and Citizenship
- Single, no children
- Currently, graduate student in the Department of Computer and Communication Engineering, University of Thessaly {[www.inf.uth.gr](http://www.inf.uth.gr)}

## EDUCATION

- **October 2005 – today**  
Pursuing M.Sc. degree in the *Department of Computer and Communication Engineering*, University of Thessaly
- **September 2000 – October 2005**  
Undergraduate student in the *Department of Computer and Communication Engineering*, University of Thessaly

Diploma thesis (completed October 2005)

Title: "Carrier Phase Estimation in Satellite Systems"

Description: Study of existing QPSK-based satellite systems. Performed analysis of NDA estimation methods, such as Viterbi & Viterbi estimators and barycenter estimators. Simulations were created to evaluate the performance of each estimator.

Projects

- Course "Microprocessors" (team of 2 students - 2005)  
"Presentation of the AMD K6 and AMD K7 family of processors"
  - Course "Advanced laboratory topics on networks" (2005)  
"Frequency and Timing Synchronization Issues in OFDM"
  - Course "Computer Architecture" (team of 4 students - 2004)  
"ARM processor simulator in C programming language"
  - Course "Digital Circuit Design with CAD II" (2003)  
"PERT method implementation in C to recognize loops in digital circuits"
  - Course "Wireless Communications" (team of 2 students - 2003)  
"Third generation telecommunication networks UMTS and CDMA2000"
- **September 1994 – July 2000**  
Student in *Collège De La Salle*, Thessaloniki

## SPOKEN LANGUAGES

**Greek** Mother tongue  
**English** Michigan Proficiency, Oxford Oral Proficiency  
**French** Sorbonne II, DELF A1,A2,A4

## AWARDS

- University of Thessaly, Computer and Communication dept. Award, 2000-2001, 2001-2002 and 2002-2003  
(for total academic achievements during academic years 2000-2001, 2001-2002 and 2002-2003)
- Technical Chamber of Greece (TEE) Award, Summer 2004  
(for total academic achievements)

## AREAS OF INTEREST

- **Embedded systems:**  
Embedded systems software, Wireless Sensor Networks
- **Distributed systems:**  
Real-time distributed systems
- **Wireless communications:**  
OFDM, Ultra Wide Band, Power control, Satellite systems
- **Artificial Intelligence:**  
Genetic Algorithms, Neural Networks, Fuzzy logic
- **Signal Processing:**  
Digital Signal Processing, Image and Video Processing
- **Computer architecture:**  
Processor instruction sets, Computer architecture
- **Hardware design:**  
VLSI design, Testing and verification

## SKILLS

- **Programming languages:**  
C/C++, Java (JNI, JavaServlets, SAX, DOM), Prolog, LISP, COOL (CLIPS expert system), Bash scripting, MIPS assembly
- **Hardware Description Languages:**  
VHDL
- **Mathematic software:**  
MatLab
- **Hardware CAD:**  
ModelSim, Altera MAX PLUS II, spice, Electric
- **Operating systems:**  
GNU/Linux, Windows, FreeBSD (some experience), Solaris (little experience)
- **Software IDEs and tools:**  
Eclipse, JBuilder, JUnit
- **Applications:**  
The GIMP!, Macromedia Flash MX

## PROFESSIONAL EXPERIENCE

- University of Thessaly, Computer and Communications eng. dept. Volos, GREECE  
*Software developer* July 2004 - October 2004  
Developed a JSR-82-compatible OBEX layer using the openobex library and JNI. Summer job under the supervision of Dr. Spiros Lalis {lalis@inf.uth.gr}.
- University of Thessaly, Computer and Communications eng. dept. Volos, GREECE  
*Software developer* July 2003 - September 2003  
Worked on a peer-2-peer real-time racing game, implemented in Java2 language, as

member of a four student development team. The game was optimized to run on 802.11b wireless networks. Summer job under the supervision of Dr. Spiros Lalis {lalis@inf.uth.gr}.

Delta-Singular S.A., R&D dept.  
*Software developer*

Athens, GREECE

July 2001 - September 2001

Implemented various parts of existing Delphi-based Application Server in Java2 language and tested them using JUnit, as a member of the R&D team in Delta-Singular S.A. Also developed performance tests for cryptographic libraries, including Sun's JCE.