

# **CURRICULUM VITAE**

Name: Evangelos VALAMONTES  
Date of birth: 10 March 1963  
Place of birth: Athens, Greece  
Nationality: Greek  
Languages: Greek, English  
Current Status: Professor, Department of Electronics,  
Technological and Educational Institute of Athens.  
Professional address: Department of Electronics, Technological and Educational  
Institute of Athens, Ag. Spiridonos and Palicaridi,  
Aegaleo, GREECE.

## **EDUCATION**

### **1. Schooling:**

Attended High School in Athens, Greece. Matriculated in 1980 with distinction in Mathematics and Physics.

### **2. University education:**

- a) 1980-1985 B.Sc. in Physics. University of Athens, Greece. Awarded University scholarships for two undergraduate years.
- b) 1986-1987 M.Sc. in Solid State Physics. Institute of Materials Science, "DEMOKRITOS" National Research Center for Physical Sciences.
- c) 1988-1992 Ph.D. in Physics on Thin Film Microanalysis. University of Athens, Greece. Supervisor: Prof. A.G. Nassiopoulos, Institute of Microelectronics, National Center for Scientific Research "DEMOKRITOS". Ph.D. awarded in April 1992.

## **EXPERIENCE**

### **A. Research fields in Electronics**

- 1) Design of  $\mu$ C-based system.
- 2) Digital Hardware Design.

## **B. Research fields in Physics**

- 1) Electron beam, X-ray - Specimen interaction.
- 2) Specimen Preparation, Special Techniques and Applications of SEM.
- 3) Microanalysis of Thin Films.
- 4) Computational methods for Quantitative X-ray Analysis used in EPMA and SEM.
- 5) Monte-Carlo simulations.
- 6) Special Techniques and Applications of STM and AFM.

## **C. Teaching experience**

I have been teaching for 25 years (1993-2018) in the Department of Electronic Engineering of Technological and Educational Institute of Athens:

- 1) Digital Design.
- 2) Microcontrollers.
- 3) Classical Electrodynamics.

I have been teaching for 5 years (1993-1998) in the Department of Physics of Technological and Educational Institute of Chalkis:

- 1) Microelectronics.

I have been teaching for 2 years (2006-2008) in the Department of Telecommunications Science and Technology of University of Peloponnese:

- 1) Digital Design.
- 2) Physics

I have been teaching for 5 years (2018-2023) in Department of Electrical and Electronics Engineering of University of West Attica:

- 1) Digital Design.
- 2) Physics.
- 3) Introduction to Programming

## **D. Scientific Career**

- a) 1993-1998 Assistant Professor (on Contract), Department of Physics, Technological and Educational Institute of Chalkis.
- b) 1993-2001 Assistant Professor, Department of Electronics, Technological and Educational Institute of Athens.
- c) 2001-2005 Associate Professor, Department of Electronics, Technological and Educational Institute of Athens.
- d) 2005-2018 Professor, Department of Electronic Engineering, Technological and Educational Institute of Athens.
- e) 2006-2008 Associate Professor (on Contract), Department of Telecommunications

- f) 1993-2023 Science and Technology, University of Peloponnese.  
Research Associate, Institute of Microelectronics, National  
Center for Scientific Research "DEMOKRITOS".
- g) 2018-2023 Professor, Department of Electrical and Electronics Engineering,  
University of West Attica

### **E. Selected Research Projects**

- a) "RESIST 193-157, Photoresist development for 193nm lithography and below"  
(ESPRIT 33562, 1999-2001).
- b) "Critical Resist and Processing Issues at 157nm Lithography addressing the 70nm  
node (157 CRISPIES)".  
(IST 2000-30143, 2001-2004).
- c) "Development and Validation of Source, Optics and Resists in next generation EUV  
Lithography (SOARING)".  
(IST 2001-35254, 2002-2005).
- d) EU Project IST No. 2000-30129 FRENDECH "Front-End Models for Future  
Technology", Duration: 1/1/2004-31/12/2006.
- e) EU, Project IST No. 1-507754-IP MORE-MOORE "Exploring new limits to Moore's  
law", Duration: 1/1/2004-31/12/2006.
- f) General Secretariat for Research and Technology, "High aspect ratio metal  
NANOstructures with Proton Beam lithography on strippable resists (PB.NANO) 2006-  
2008".

### **"Diploma" Thesis**

"The influence of  $Xe^{135}$  and  $Sm^{149}$  in the efficiency of NCSR "Demokritos" nuclear  
reactor".  
University of Athens and Institute of Nuclear Technology NCSR "Demokritos", 1985.

### **Ph. D. Thesis**

"X-ray Microanalysis of Thin Films on Bulk Material. Quantification of the technique  
and Spatial Resolution".  
Institute of Microelectronics, NCSR Demokritos, presented at the University of Athens,  
Greece, 1992.

### **Publication record**

- 56 Journal Papers.
- 64 Papers in International Conference Proceedings.
- More than 500 citations (without self-citations).