

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 μ 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 3 years (2018-2021) 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) 1993-2021 Science and Technology, University of Peloponnese.
Research Associate, Institute of Microelectronics, National
Center for Scientific Research "DEMOKRITOS".
- g) 2018-2021 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 Xe¹³⁵ and Sm¹⁴⁹ 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 450 citations (without self-citations).