

Curriculum Vitae

Name: Andreas Michaelides

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Personal:

Birthday: 07/07/1960
Marital status: Married
(optional)

Education:

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|--|---------|
| Goethe Oberschule, Leipzig, Germany | 67 - 71 |
| American Academy, Larnaca Cyprus | 71 - 78 |
| Technische Universität Ilmenau Germany | 80 - 88 |

Graduate work:
(Degree, Date received)

MS, Power Engineering, 1985
PhD, Power Engineering, 1988

Positions Held:
(reverse chronological order)

1990 - Employment Intercollege Larnaca, computer engineering program coordinator
2008 - University of Nicosia, developing the courses and experimental facilities for the specialization area of ' Electric Power '
Ranked as Assistant Professor

Areas of Concentration/ Research Interests:

- 1 Construction of an instant shooting result targeting system in collaboration with the National Guard of Cyprus.
'Sniper-System' Webpage: www.sniper-system.com
- 2 Construction of an integrated inductive-capacitive component for absorbing harmonic modulation in the power grid. Proposed as IBE project, spring 2008. Presented at Conference 2015, IEEE sponsored.
- 3 Wireless digital signal transmission.
- 4 Electric Machines Control.

Professional Associations

| Organization/field | Title |
|--|--------------|
| ETEK (Chamber for Scientific & Technical Activities) | Member |
| IEEE | Member |

Awards/Distinctions:

(For teaching, research, service)

- 1991 Lefkaritis Award for Research

Languages:

(Fluent Proficient Competent)

| | |
|---------|-----------|
| English | Fluent |
| Greek | Fluent |
| German | Fluent |
| Polish | Competent |
| Russian | Competent |

Research & Publications

- 1991 Transmission of information signals through the power grid.
1992 Design and construction of a Robotic Arm to assist lectures on mechanics, statics and microprocessor controlled systems.
1993 Wireless door phones for domestic application.
1994 - 2017 Targeting System 'Sniper-System'.

Doctoral Dissertation:

Power factor correction and quality improvement of distorted voltage signals in the grid by absorbing harmonic modulations with filters.

Technical University of Ilmenau, Thuringen-Germany 1988

Written Material

Operational manual of the instant targeting system (in greek for the National Guard).

Presentations of Research Results

Presentations of the targeting system in front of high ranking military committee in the presence of the General of the National Guard on the shooting ground in full functional mode.

Conferences

“ Integrated Inductive-Capacitive Component used as a Filter for Harmonic Modulations in the Grid “. 11-12th of June in the 13th International Conference on Engineering of Modern Electric Systems (EMES) ICEMES 2015 Oradea, Romania, IEEE sponsored.

“ Electrical Equivalent of Wound Aluminium Foils” 23-25th of March in the 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017 in Bucharest, IEEE sponsored.

“ Starting and Running the Induction Motor with a Variable Capacitor “. 01-02nd of June in the 14th International Conference on Engineering of Modern Electric Systems (EMES) ICEMES 2017 Oradea, Romania, IEEE sponsored.

Other Activities

Reviewed five conference submissions for medpower2012@diee.unica.it conference.

Providing the targeting system for training sessions prima to army units ahead of shooting competitions of the National Guard.

Regular shooting exercises with the National Guard, the last on 20 -21st September 2017

Experience:

Administrative (projects managed, committees served etc)

Coordinator of the Computer Engineering program in Intercollege Larnaca 1994-2008.

Advisory (students supervised, theses directed etc)

Personal Advisor to students, University of Nicosia

Supervising one PhD student in the topic “Solid State Transformers”

Supervisor of senior year projects (40 projects since 2008).

Teaching (seminars designed, courses taught)

Digital Systems

Signals and Systems

Electronics

Network Analysis

Mathematics

Physics

Electric Machines

Power System Analysis

Power Generation-Transmission-Distribution

Power System Protection
Power Electronics