

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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EDUCATION

Ph.D in Photonic Fiber Devices, Department of Informatics and Telecommunications,
National and Kapodestrian University of Athens (2009)

M.Sc in Electronics and Radioelectrology, Departments of Informatics and
Telecommunications & Physics, National and Kapodestrian University of Athens (2002)

Diploma in Physics, Department of Physics, National and Kapodestrian University of
Athens (2000)

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

- Research Associate, TPCI/NHFR (9/2013 -).
- Technical Project Coordinator ICCS/NTUA (9/2012 – 8/2013).
- External Senior Technology Consulting Partner, NOMITECH LTD (1/2010 – 6/2013).
- Head of Technology Projects Section, ICC S.A. (INTRAKAT subsidiary) (10/2010 – 6/2011).
- Head of Technology Department, Praxilla S.A. (6/2009 – 9/2010).
- R&D Project Manager, INTRACOM TELECOM (11/2007 – 5/2009).

- Research & Teaching Assistant, Department of Informatics and Telecommunication/NKUA (5/2004 – 11/2007).

MAIN RESEARCH INTERESTS

High-speed all-optical transmission systems, nonlinear effects in optical fibers, all-optical signal processing, photonic devices and sensors

EXTERNAL FUNDING

Participation in National and European research projects. (National: PAVET, SINERGASIA European: FP6, FP7, MED)

CONFERENCES AND INVITED TALKS

6 international conferences

PUBLICATIONS

5 publications in refereed journals, 6 publications in conference proceedings.

SELECTED RECENT PUBLICATIONS

1. "Impact of dispersion fluctuations on the noise properties of fiber optic parametric amplifiers.", P. Velanas, A. Bogris, D. Syvridis, IEEE/OSA, Journal of Lightwave Technology, Vol. 24, No. 5, (2006).
2. "Operation Properties of a Reconfigurable Photonic Logic Gate Based on Cross Phase Modulation on Highly Non linear Fibers", P. Velanas, A. Bogris, D. Syvridis, Elsevier, Fiber Optical Technology, vol 15, issue 1, pp. 65-73 (2009)
3. "High Speed All-Optical First- and Second-order Differentiators based on Cross Phase Modulation in Fibers" ,P. Velanas, A Bogris, A. Argyris, D. Syvridis, IEEE/OSA Journal of Lightwave Technology, vol 26, no 18, September 15, pp. 3269-3276 (2008)