

## Βιογραφικό Σημείωμα

<b>Name</b>	<b>Konstantia Kyritsi</b>
<i>Position</i>	Laboratory Teaching Staff Member of the Laboratory of “Nonlinear Systems, Circuits & Complexity (LaNSCom)”
<i>Studies</i>	Ph.D. Physics, Dept. of Physics, Aristotle University of Thessaloniki (2002) M.Sc. Physics, Dept. of Physics, Aristotle University of Thessaloniki (1997) B.Sc. Physics, Dept. of Physics, Aristotle University of Thessaloniki (1995)
<i>Scientific expertise</i>	“Nonlinear Phenomena in Circuits and Materials” -Study of the Negative Differential Resistance (NDR) in semiconductor devices with non-linear characteristic I-U -Study of chaotic oscillations in circuits with non-linear resistors and routes to chaos -Study of the behavior and phenomena produced from chaotic nonlinear dynamical systems -Chaotic cryptography and secure communication
<i>Research activities</i>	18 publications in peer reviewed journals 10 international conference presentations Participation in 4 R&D projects
<i>Five most important publications</i>	1. “ Coverage Performance of a Chaotic Mobile Robot Using an Inverse Pheromone Model” Petavratzis, E.K., Volos, C.K., Stouboulos, I.N., Kyritsi, K.G., Valavanis, K.P. 2019 8th International Conference on Modern Circuits and Systems Technologies, <b>MOCAST 2019</b> 2. “Characterization of a non-autonomous second-order non-linear circuit for secure data transmission” A.N. Miliou, A.P. Valaristos, S. Stavriniades, K. Kyritsi and A.N. Anagnostopoulos, <b>Chaos, Solitons &amp; Fractals</b> , 33, 1248 (2007) 3. “Oscillations in the $\alpha$ -Si/Si(n)/Si(p) device: Embedding and Correlation dimensions” K. Kyritsi, A.N. Anagnostopoulos and G.L. Bleris <b>Chaos, Solitons &amp; Fractals</b> , 21, 741 (2004) 4. “On the influence of noise in the evaluation of the oscillations in the $\alpha$ -Si/Si(n)/Si(p) device” K. Kyritsi and A.N. Anagnostopoulos <b>Chaos, Solitons &amp; Fractals</b> , 21, 651 (2004) 5. “The period doubling route to chaos of a second order non-linear non-autonomous chaotic oscillator-part I” S. Stavriniades, N. Deliolanis, K. Kyritsi, A.N. Anagnostopoulos, A. Tamasevicius, A. Cenys <b>Chaos, Solitons &amp; Fractals</b> , 20, 843 (2004)