

Short CV

Name	Christos Volos
<i>Position</i>	Assistant Professor Member of the Laboratory of "Nonlinear Systems, Circuits & Complexity (LaNSCom)"
<i>Studies</i>	Ph.D. Physics, Dept. of Physics, Aristotle University of Thessaloniki (2008) M.Sc. Physics, Dept. of Physics, Aristotle University of Thessaloniki (2002) B.Sc. Physics, Dept. of Physics, Aristotle University of Thessaloniki (1999)
<i>Scientific expertise</i>	<ul style="list-style-type: none"> ❖ Design and implementation of nonlinear chaotic circuits ❖ Study of the behavior and phenomena produced from chaotic nonlinear dynamical systems ❖ Study of various types of control and synchronization between coupled nonlinear dynamical systems/circuits ❖ Simulation of financial/biological/physical systems by using nonlinear systems ❖ Chaotic cryptography and secure communication ❖ Design of chaotic motion control of autonomous mobile robots by using linear and nonlinear systems
<i>Research activities</i>	<ul style="list-style-type: none"> ❖ 133 publications in peer reviewed journals ❖ 66 international conference presentations ❖ 20 presentations in Greek conferences ❖ 42 publications in peer reviewed volumes ❖ 2 books ❖ > 2000 non-self-citations, h-index = 25 ❖ Participation in 4 R&D projects ❖ Referee in peer reviewed journals (> 150 papers) ❖ Participation as a member of the organizing committees or referee in 30 international conferences ❖ 2 invited talks ❖ Editorial board member of 4 peer reviewed journals ❖ Lead Guest Editor of 5 special issues and Guest Editor of 14 special issues in peer reviewed journals ❖ Member of the advisory board in 4 PhD theses ❖ Supervisor in 2 PhD theses and in 1 Postdoc research
<i>Five most important publications</i>	<ol style="list-style-type: none"> 1. Pham, V.T., Kingni, S.T., Volos, C., Jafari, S. and Kapitaniak, T., 2017. A simple three-dimensional fractional-order chaotic system without equilibrium: Dynamics, circuitry implementation, chaos control and synchronization. <i>AEU-international Journal of Electronics and Communications</i>, 78, pp.220-227. 2. Jafari, S., Sprott, J.C., Pham, V.T., Volos, C. and Li, C., 2016. Simple chaotic 3D flows with surfaces of equilibria. <i>Nonlinear Dynamics</i>, 86(2), pp.1349-1358. 3. Pham, V.T., Volos, C., Jafari, S., Wei, Z. and Wang, X., 2014. Constructing a novel no-equilibrium chaotic system. <i>International Journal of Bifurcation and Chaos</i>, 24(05), p.1450073. 4. Volos, C.K., Kyprianidis, I.M. and Stouboulos, I.N., 2013. Image Encryption Process Based on Chaotic Synchronization phenomena. <i>Signal Processing</i>, 93(5), pp.1328-1340. 5. Volos, C.K., Kyprianidis, I.M. and Stouboulos, I.N., 2012. A chaotic path planning generator for autonomous mobile robots. <i>Robotics and Autonomous Systems</i>, 60(4), pp.651-656.