

Vassilios Vassiliadis has a diploma on Financial Engineering and Management (University of the Aegean, 2005). Since 2007, he is a candidate PhD of the same faculty. His doctorate thesis is "Nature-Inspired Intelligence in Financial Decision Making", under the supervision of professor George Dounias (Associate Professor on the Department of Financial Engineering and Management). Specifically, the main field of his expertise is the development of nature-inspired algorithmic methodologies (neural networks, genetic algorithms, swarm intelligence etc.) and the use of these methods in solving dynamic financial problems (dynamic portfolio management).

From 2006 till today, he has been working as a researcher in a program, whose main aim is the development of models and algorithms for the study of financial markets and the development of investment strategies

Publications

- "Nature-Inspired Intelligence: A review of selected methods and applications" (Vassiliadis Vassilios, Dounias George, International Journal on Artificial Intelligence Tools, World Scientific Publishing Company, December 2008)
- "Applications of Nature-Inspired Intelligence in Finance" (Vassiliadis Vassilios, Dounias George, 4th IFIP Conference on Artificial Intelligence Applications & Innovations, Athens, September 2007)
- "Investigating Interrelations of major international stock markets with the use of econometric and intelligent approaches" (Vassiliadis V., Thomaidis N., Marinakis Y., Michalopoulos M., Dounias G., XIV Congress of International Association for Fuzzy-Set Management and Economy: *Computational Intelligence Applied to New Digital Economy and Business Ecosystems*, SIGEF, November 2007)
- "Intra-day Returns Transmissions between US and European Equity markets" for submission in the journal "(Thomaidis Nikolaos, Kondakis Nikolaos, Vassiliadis Vassilios, Journal of Financial Decision Making, September 2008)
- "Active portfolio management with cardinality constraints: an application of particle swarm optimization", N. S. Thomaidis, T. Angelidis, V. Vassiliadis, G. Dounias, *New Mathematics and Natural Computation*, (December 2007)
- "A Bee Colony Optimization Algorithm for the Constrained Portfolio Optimization Problem", V. Vassiliadis, G. Dounias, *5th Hellenic Conference on Artificial Intelligence*, (October 2008)

Email address: v.vassiliadis@fme.aegean.gr