

Pietro Terna
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Pietro Terna (born in 1944) is retired professor of Economics of the University of Torino (Italy), formerly Department of Economics, Sociology, Mathematics and Statistics. His recent works are in the fields (i) of artificial neural networks and economic and financial modeling and (ii) of social simulation with agent based models, where he has been pioneering the use of Swarm.

He has been developing an original simulation system to reproduce enterprise and organization behavior, named java Enterprise Simulator, visible at <http://web.econ.unito.it/terna/jes> and he is now developing a new Python based version both of Swarm and jES, named SLAPP (Swarm-Like Agent Protocol in Python), visible at <http://web.econ.unito.it/terna/slapp>.

He is teaching both an advanced course on Simulation Models for Economics and an introductory one, on Microeconomics. It also carries out a seminar activity in the field of applications of simulation in economics, developing a school in the discipline. He teaches the course of Economic simulation for the students of the PhD School of Economics of the University of Torino.

He is the author of numerous papers in journals and collective volumes, published in Italy and abroad, and co-author of a book on application of artificial neural networks to economics and finance.

The scientific production covers the following topics: applications of Monte Carlo analysis of estimators in econometrics; the quantitative analysis of economic phenomena; the quantitative methodology in economics. He devoted much of recent research, in addition to the theme of neural networks for the construction of agents capable of learning and choices, to the use of advanced simulation techniques for the construction of economic models.

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