



Darwin and Financial Services: July NYC Conference Examines Applications of Evolutionary Computing to the Banking Industry

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GECCO-2002

PALO ALTO, C.A. – June 27, 2002 – The upcoming Genetic and Evolutionary Computation Conference (GECCO) in New York will include the presentation of successful applications of techniques inspired by Darwinian evolution to difficult problems in the banking industry. GECCO-2002 will be held at the Roosevelt Hotel (45th and Madison Ave. in Manhattan) on July 9-13.

On July 11, Zbigniew Michalewicz, Chief Scientist of NuTech Solutions, Inc., will lead the banking applications session in which practitioners demonstrate how natural evolution can be of use in designing allocations of assets to auction sites, routing of checks and mail in distribution networks, and detection of fraud.

Tony Kaus, Financial Markets Director for NuTech, describes the use of Evolutionary Computing in fraud detection: "In the 1980's there was the rules-based approach; in the 1990's neural nets; but in the 2000's it is evolutionary tools that can best detect fraud and even predict fraud through software that learns while it monitors for criminal activity. As more and more customers turn on these new systems, initial results indicate that the savings will be in the millions of dollars in avoided losses."

GECCO-2002 will present the latest results in the growing field of genetic and evolutionary computation. GECCO continues the tradition of bringing together the entire spectrum of research in genetic and evolutionary computation, including genetic algorithms; classifier systems; genetic programming; evolvable hardware; DNA and molecular computing; evolutionary strategies; evolutionary programming; evolutionary design; evolutionary routing and scheduling; artificial life, adaptive behavior, agents, and ant colony optimization; as well as real-world applications of all of these areas.

GECCO features three days of peer-reviewed paper presentations, twelve in-depth workshops, twenty-nine tutorials presented by recognized experts, and seven sessions devoted to the industrial applications of evolutionary computation

For more information about GECCO-2002 visit www.isgec.org/GECCO-2002 or contact the conference chairman, Erick Cantu-Paz at cantupaz@llnl.gov or 925/424-2467.