

Special Notice: 11-SN-0001

Santa Fe Institute Business Network for Complex Research

The Office of Naval Research intends to purchase a one-year membership in the Santa Fe Institute's Business Network. Santa Fe Institute is a non-profit research organization that uses multidisciplinary collaboration to study behavior and structure of complex systems, with emphasis on complex systems that exhibit adaptation and learning. Santa Fe Institute's research into computer simulation systems builds on a broad base of studies in complex adaptive systems. The simulation programs, and more general computational approaches, are built on the concept of adaptive agents capable of learning in response to experience. Many of the approaches incorporate processes that mimic biological systems and organisms, including mutation, generic crossover, evolution and co-evolution and differential retention of successful genotypes. Areas of work include use of genetic algorithms, classifier systems, neural networks, genetic programming and other related machine learning methods. A Firm-Fixed Price Purchase Order using Simplified Acquisition Procedures will provide one membership in the Santa Fe Institute Business Network for Complex Systems Research for a period of one year. The participant will participate in research visits, workshops, technical meetings and seminars, and receive copies of working papers and books resulting from these research programs. This purchase is considered sole source to Santa Fe Institute. Therefore, no solicitation will result from this announcement.