# Long Island University's 1987 Computer Technology Symposium: Knowledge Engineering Using Forth

The theme for Long Island University's 1987 Computer Technology Symposium was Knowledge Engineering Using Forth. Dr James Basile, Associate Professor of Computer Science at Long Island University's C. W. Post Campus, organized the symposium to provide an opportunity for engineers and technical managers to learn about tools and techniques for real-time artificial intelligence applications using Forth. The Symposium was sponsored by the University in collaboration with The Institute for Applied Forth Research.

The symposium was chaired by Dr. Basile and featured presentations by Dr. William Dress of Oak Ridge National Laboratory, Mr. Dennis Feucht of Innovatia Laboratories, and Mr. Lawrence Forsley of the Laboratory for Laser Energetics. In addition, tutorials on various aspects of using Forth-based artificial intelligence techniques were held. The symposium concluded with a panel discussion on the future of Forth in knowledge engineering.

In order to provide a wider dissemination of the content of these papers, Long Island University and the Institute agreed to initially publish the refereed work here in the Journal. The result is embodied in the following two papers, "Alternative Knowledge Acquisition: Developing A Pulse Coded Neural Network" by Dr. Dress and "List Processing and Object-Oriented Programming Using Forth" by Mr. Feucht. In response to one of the working groups, Mr. Feucht developed a technical note describing an implementation for a Prolog interpreter in Forth.