A major goal of Schlumberger Doll's Systems Science Department is to give computers the ability to interpret well logging data and to develop programs that will enable computers to achieve and exceed human-level performance in analyzing information and in solving problems.

Our computer scientists and artificial intelligence experts carry out their research in an ultra-modern academic atmosphere in the historical and beautiful town of Ridgefield, Connecticut fifty miles from New York City.

We are seeking computer science professionals with Master's and PhD degrees to contribute to the state of the art in artificial intelligence, advanced computing environments, and geometrical modeling. Some post-doctoral and visiting scientists positions are also available.

Current projects include Expert systems, embodying causal geometric/geological reasoning, Learning, Automatic programming especially for novel architectures, Distributed problem solving and knowledge bases, Three-dimensional multispectral/multiscalar modeling, Qualitative process theory and Systems architecture. Expansion into multispectral image processing and pattern recognition is also possible. Our substantial computing environment includes Xerox D-machines, VAXes* a CYBER* and soon a CRAY* Some available tools are Interlisp* UNIX* STROBE (an object-oriented knowledge representation language), and MAINSail, Prolog and LCF are being investigated. Persons interested should contact Peter Will, David Barstow, or Reid Smith at Schlumberger-Doll Research.

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