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Research Interest May 2017

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My research interest is Soft Computing technology Expert System, Artificial Intelligence for simulation and rule based techniques for business and medicine industry field.

The first research interest is Expert systems

For development of ES the rule based model representation of knowledge is chosen by using knowledge of experience specialists and different medical and business references, the knowledge based constructed. Knowledge in a rule-based ES is represented by IF-THEN production rules. The considered ES is realized on the base of Esplan and VP expert system shell.

Second research interest is Artificial Natural Network

Models in time series forecasting. The information provided by the forecasting process can be used in many ways. An important concern in forecasting is the problem of evaluating the nature of the forecast error by using the appropriate statistical tests.

Third research interest is Soft Computing

Soft computing is based on natural as well as artificial ideas, it is a computational intelligence. SC aims at accommodation with the imprecision of the real world. Actually, soft computing based concepts and techniques have already been playing an essential role in the conception design and manufacturing of high Machine Intelligence Quotient (MIQ) products and systems. Application areas of soft computing are: Computer, Civil engineering, Economics and Computer Programming.

Another research of interest is Artificial Intelligence for industry and medicine. Any AI system is designed based on rules, sensors and programs. For example AI system facilitates the lives of disabled people by using some analogue, digital signals, sensors and software programming. Another example can be designing of a mobile robot such as line follower.