

TC on Expert and Knowledge Based Systems

Knowledge is playing an ever increasing role in the growth and development of our new economy. No doubt we are seeing more and more research in the use of IT for the discovery, organization, distribution and sharing of knowledge. Expert and Knowledge Based Systems (EKBS) constitutes a key component in this progression towards knowledge based economy. While EKBS has been around for quite some time, progress in areas such as fuzzy systems, knowledge discovery, computational intelligence, networking and the web have given new perspectives and directions to studies and applications in this area. An important goal of our TC has been to promote and share ideas in the development of EKBS in this new social-technological environment, particularly in view of the maturing of electronic commerce and new vision of semantic web.

In pursuing this goal our TC has actively participated in the organization of conferences and paper sessions. In particular we are a key player in organizing the International Conference in Machine Learning and Cybernetics (ICMLC) which is now in its third year running. This conference, first of its kind in China, has received great attention and support by researchers and academics in the field. This year the conference (ICMLC 2004) will be held in Shanghai, China. The conference has received an overwhelming 1600-odd paper submissions from which about 50% will be selected and we are looking forward to another very success conference this August. Our TC will continue to participate in the organization of this conference in future years, as a way to advance EKBS in the context of machine learning and cybernetics research. Apart from this we have also organized special sessions in the annual IEEE SMC conferences in the last three years.

In the coming year, apart from the ICMLC and IEEE SMC participations mentioned above, we are planning publication of special issues in various journals, particularly in the area of EKBS in the context of machine learning and semantic web. If you should be interested in helping with these activities, we would certainly welcome your participation in our committee.

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