



Special Track:

Machine Learning

Machine learning (ML) is a necessary component for most approaches to AI, just as human learning is necessary to human intelligence. The role of the FLAIRS Machine Learning special track is to bring together ML researchers and practitioners and provide an international forum for discussing their latest results in the general framework of AI. Every year since 2001, when it was organized for the first time, this special track has been an important part of the FLAIRS conference. In contrast to specialized ML conferences, the FLAIRS track has been more dynamic and responsive to changes in the field and to new ideas. Recently, it has been focusing on topical areas such as data mining, web learning, machine learning for bioinformatics, and real-life applications. The 2007 issue of the ML track covers timely topics in lifelong learning, semisupervised classification and imbalanced datasets. There are also papers in traditional machine learning areas such as reinforcement learning, decision trees, Bayesian learning and instance-based learning. ML applications have always been a substantial part of the track. This year we have applications for discovering qualitative chemical laws, robot navigation and natural language processing. We look forward to a stimulating 2007 program.