



Machine Learning

Machine learning is important to AI in the same way that human learning is important to human intelligence. Machine learning methods and tools are used wherever we need an intelligent computer system. Thus the role of the Machine Learning special track is to bring together machine learning 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 — the Machine Learning track has been an important part of the FLAIRS conference. In contrast to specialized machine learning 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 topical areas covered this year are text classification, web mining and graph-based genetic programming. There are also papers in traditional machine learning areas such as reinforcement learning, decision trees, Bayesian learning and combining multiple models. Machine learning applications have always been a substantial part of the track, and this year we have applications for discovering causality in genes by Bayesian nets, analysis of galactic spectra and medical diagnosis