



Special Track on

Artificial Intelligence in Healthcare Informatics

Healthcare informatics focuses on the efficient and effective acquisition, management, and use of information in healthcare. Advancing health informatics has been declared a Grand Challenge by the National Academy of Engineering and is a major area of emphasis for agencies such as the Centers for Medicare and Medicaid Services. As such, it has been identified as an area of national need. Sample uses of AI in health informatics include expert systems for decision support, machine learning and data mining to discover patterns across patients, image analysis to assist in diagnosis, and natural language processing to extract information from free text medical documents.

The goal of this track is to provide a forum for researchers to share current projects and experimental studies in applying artificial intelligence in the healthcare informatics. Papers in this track should identify, investigate, and, hopefully, resolve health-related challenges using artificial intelligence. Since this track encompasses a broad scope, ranging from direct patient care (such as clinical informatics) to more basic research in biological sciences (such as bioinformatics), it is intended to bring together a diverse set of scientists to share ideas from multiple perspectives.