

▼ Introduction to Knowledge Discovery Minitrack

Mark T. Elmore, Chair
Oak Ridge National Laboratory
ElmoreMT@ornl.gov

Knowledge discovery provides new sights and understanding from data. It is the drawing out of previously unknown information from data to provide new understanding. It encompasses a wide variety of topics related to data, algorithms, architectures, dissemination, and application areas.

The need for knowledge discovery results from a tsunami of data which overwhelms the processing abilities of humans and machines and obscures the knowledge represented within the data. This digital tsunami comes in a variety of media types, formats, languages, and disciplines, and across a growing number of interrelated problem domains.

This minitrack seeks to bring together researchers and practitioners from multiple problem domains to exchange ideas and foster

discussion of new approaches and breakthroughs in knowledge discovery.

This inaugural year of this Knowledge Discovery minitrack will include an open discussion. The discussion will begin with brief opening comments by key consumers of Knowledge Discovery, seeding the discussion with the key challenges they find in their domain area. We will then open the discussion to the floor, encouraging a fast-moving exchange of ideas that will help to define directions of research for the coming year or two to solve problems in a variety of domain areas. Your participation is solicited.

Please see
KnowledgeDiscoveryConference.org
for more information.