

# Preface

Data mining has experienced an explosion of interest over the last two decades. It has been established as a sound paradigm to derive knowledge from large, heterogeneous streams of data, often using computationally intensive methods. It continues to attract researchers from multiple disciplines, including computer sciences, statistics, operations research, information systems, and management science. Successful applications include domains as diverse as corporate planning, medical decision making, bioinformatics, web mining, text recognition, speech recognition, and image recognition, as well as various corporate planning problems such as customer churn prediction, target selection for direct marketing, and credit scoring. Research in information systems equally reflects this inter- and multidisciplinary approach. Information systems research exceeds the software and hardware systems that support data-intensive applications, analyzing the systems of individuals, data, and all manual or automated activities that process the data and information in a given organization.

The *Annals of Information Systems* devotes a special issue to topics at the intersection of information systems and data mining in order to explore the synergies between information systems and data mining. This issue serves as a follow-up to the *International Conference on Data Mining (DMIN)* which is annually held in conjunction within *WORLDCOMP*, the largest annual gathering of researchers in computer science, computer engineering, and applied computing. The special issue includes significantly extended versions of prior DMIN submissions as well as contributions without DMIN context.

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Data Mining

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