

INTRODUCTION TO DECISION TECHNOLOGIES FOR MANAGEMENT TRACK

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The goal of DTM is to present topic areas involving the adoption of innovative technology for management decision making:

Data and Process Mining. This Minitrack continues to investigate the broad theory and application issues relating to data mining, machine learning, knowledge acquisition, knowledge discovery, information retrieval, data base and inductive decision-making.

E-Services. E-services refer to electronic services delivered through wireless or land-based Internet. Conceptual models for e-services, theory or framework construction and e-service application solutions are presented.

Intelligent Decision Support for E-Logistics and Supply Chain Management E-logistics and supply chain management require advanced decision technologies for their successful implementation. This Minitrack examines some of these technologies, e.g., agent-based simulation, data mining, optimization, and heuristics, in the context of this class of important applications.

Intelligent Systems and Soft Computing. Soft computing techniques are the focus here, including active DSS, fuzzy logic, genetic algorithms, and probabilistic models in the development of intelligent decision systems for the support of managers and knowledge workers.

Mobile Commerce: Core Business Technology and Intelligent Support.

Examines systems solutions for integrated production and distribution of m-commerce products and services, the associated demand side for these services and products, and the enabling technologies required to make those applications profitable.

Mobile Computing and Public Services in Delicate or Emergency Situations.

This Minitrack examines the requirements, architectures, practices, and implementations of systems which use mobile technology to facilitate basic emergency activities such as information search, communication, coordination, and situational awareness.

Modeling Knowledge Intensive Processes.

Knowledge management has again emerged as an important paradigm for the IT-based, learning-based organization. This Minitrack explores multiple facets of this problem, including the capture and retention of implicit knowledge, and organizational incentives for creating and using process knowledge.

Modeling Nonlinear Natural and Human Systems.

A premier presentation forum for examining recent advances in the areas of agent-based adaptive simulation, system dynamics-based simulation and other approaches to modeling complex, nonlinear systems.

VEAM: Virtual Environments for Advanced Modeling.

The focus of this minitrack is recent advances in the area of "virtual worlds" and modeling. The three main threads underlying this theme are distributed decision technologies, knowledge science and management, and collaborative modeling as applied to real world problems.