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## Preface

This work summarizes the theoretical and algorithmic basis of *optimized probabilistic advising*. It developed from a series of targeted research projects supported both by the European Commission and Czech grant bodies.

The source text has served as a common basis of communication for the research team. When accumulating and refining the material we found that the text could also serve as

- a grand example of the strength of dynamic Bayesian decision making,
- a practical demonstration that computational aspects do matter,
- a reference to ready particular solutions in learning and optimization of decision-making strategies,
- a source of open and challenging problems for postgraduate students, young as well as experienced researchers,
- a departure point for a further systematic development of advanced optimized advisory systems, for instance, in multiple participant setting.

These observations have inspired us to prepare this book.

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