Computable Models of the Law
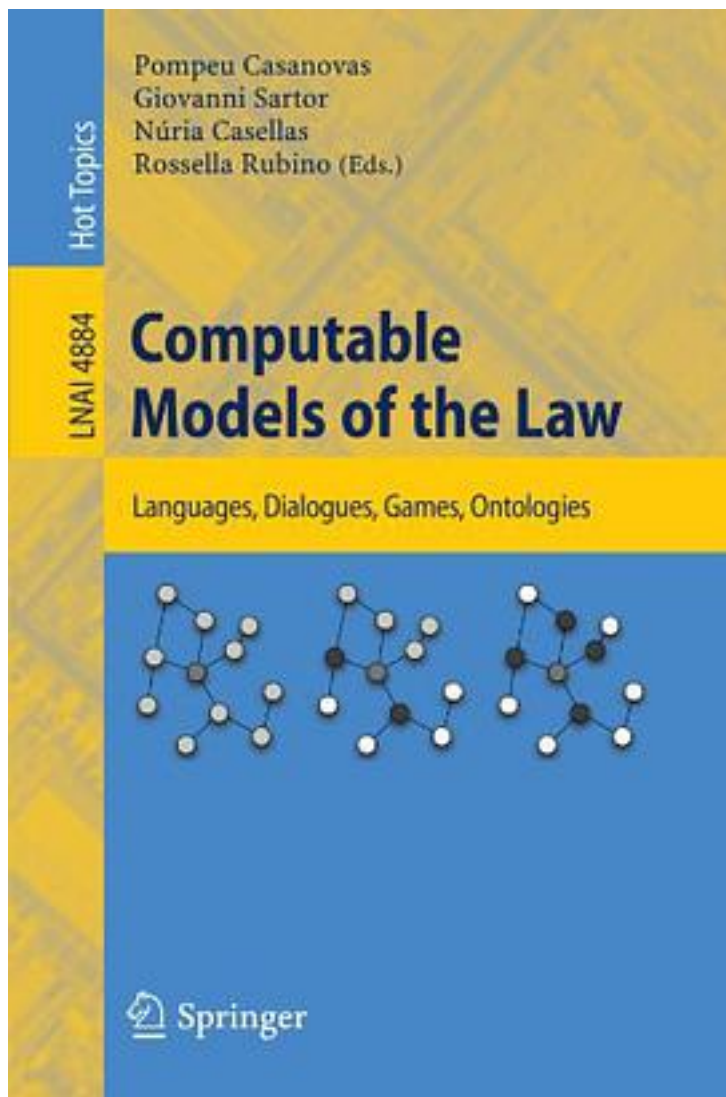
Computable Models of the Law_下载链接1_

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Information technology has now pervaded the legal sector, and the very modern concepts of e-law and e-justice show that automation processes are ubiquitous. European policies on transparency and information society, in particular, require the use of technology and its steady improvement.

Some of the revised papers presented in this book originate from a workshop held at the European University Institute of Florence, Italy, in December 2006. The workshop was devoted to the discussion of the different ways of understanding and explaining contemporary law, for the purpose of building computable models of it -- especially models enabling the development of computer applications for the legal domain. During the course of the following year, several new contributions, provided by a number of ongoing (or recently finished) European projects on computation and law, were received, discussed and reviewed to complete the survey.

This book presents 20 thoroughly refereed revised papers on the hot topics under research in different EU projects: legislative XML, legal ontologies, semantic web, search and meta-search engines, web services, system architecture, dialectic systems, dialogue games, multi-agent systems (MAS), legal argumentation, legal reasoning, e-justice, and online dispute resolution. The papers are organized in topical sections on knowledge representation, ontologies and XML legislative drafting; knowledge representation, legal ontologies and information retrieval; argumentation and legal reasoning; normative and multi-agent systems; and online dispute resolution.

作者介绍:

Keywords » AI and law - OWL - XML - acceptability - attack - case law - concept-based search - copyright law - decision making - defeasibility - dialogue - drafting - genetic algorithms - hybrid methodologies - information management - information retrieval - jurisdiction - knowledge engineering - knowledge representation - law - legal concepts - legal informatics - legal ontologies - legal systems - machine learning - metadata - ontologies - regulation - relational justice - restorative justice - rule-based system - semantic Web - semantic indexation - temporal model

Related subjects » Artificial Intelligence - Database Management & Information Retrieval - General Issues - Information Systems and Applications - Law

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