Contents

Preface v
Antonino Rotolo

Conference Organization vii

The Power Laws of the Italian Constitutional Court, and Their Relevance for Legal Scholars 1
Tommaso Agnoloni and Ugo Pagallo

Cases and Stories, Dimensions and Scripts 11
Trevor Bench-Capon and Floris Bex

Improvements in Information Extraction in Legal Text by Active Learning 21
Cristian Cardellino, Laura Alonso Alemany, Serena Villata and Elena Cabrio

Burden of Compliance and Burden of Violation 31
Guido Governatori

Mapping Recitals to Normative Provisions in EU Legislation to Assist Legal Interpretation 41
Llio Humphreys, Cristiana Santos, Luigi di Caro, Guido Boella, Leon van der Torre and Livio Robaldo

Influence and Responsibility: A Logical Analysis 51
Emiliano Lorini and Giovanni Sartor

Conditional Permissions in Contracts 61
Gordon J. Pace, Fernando Schapachnik and Gerardo Schneider

The Force of EU Case Law: A Multi-Dimensional Study of Case Citations 71
Yannis Panagis and Urška Šadl

Judges Predict Directors' Liability 81
Thy Pham

A Linked Term Bank of Copyright-Related Terms 91
Víctor Rodriguez-Doncel, Cristiana Santos, Pompeu Casanovas and Asunción Gómez-Pérez

Applying an Interactive Machine Learning Approach to Statutory Analysis 101
Jaromír Šavelka, Gaurav Trivedi and Kevin D. Ashley

Temporal Properties of Legal Decision Networks: A Case Study from the International Criminal Court 111
Fabien Tarissan and Raphaëlle Nollez-Goldbach

Explaining Legal Bayesian Networks Using Support Graphs 121
Sjoerd T. Timmer, John-Jules Ch. Meyer, Henry Prakken, Silja Renooij and Bart Verheij

Representing the Quality of Crime Scenarios in a Bayesian Network 131
Charlotte S. Vlek, Henry Prakken, Silja Renooij and Bart Verheij

Treaty Texts as Data – Developing New Tools for Negotiators and Litigators to Compare Bilateral Investment Treaties 141
Wolfgang Alschner and Dmitriy Skougarevskiy

Comprehensive Framework Embracing the Complexity of Statutory Interpretation 145
Michał Araszkiewicz and Tomasz Zurek

Business Process Management for Legal Domains: Supporting Execution and Management of Preliminary Injunctions 149
Federico Capuzzimati, Andrea Violato, Matteo Baldoni and Guido Boella

Modelling the Law Through Argument Maps: Legal Analysis and Design 153
Giuseppe Contissa

On Modeling Cognitive and Affective Factors in Legal Decision-Making 157
Bipin Indurkhya and Joanna Misztal-Radecka

No Match-Making but Biconditionals: Agents and the Role of the State in Legal Relations 161
Réka Markovich

Implementation of ECLI – State of Play 165
Marc van Opijnen and Alexander Ivantchev

Bridging Representations of Laws, of Implementations and of Behaviours 169
Giovanni Sileno, Alexander Boer and Tom van Engers

Capturing Critical Questions in Bayesian Network Fragments: Extended Abstract 173
Sjoerd T. Timmer, John-Jules Ch. Meyer, Henry Prakken, Silja Renooij and Bart Verheij

Two Tools for Prototyping Legal CBR 177
Trevor Bench-Capon and Thomas Gordon

Passing a USA National Bar Exam – A First Experiment 179
Biralatei Fawei, Adam Wyner and Jeff Z. Pan

Permissions in Deontic Event-Calculus 181
Guido Governatori and Mustafa Hashmi

Annotation of a German Legal Decision Corpus for Argumentation Mining 183
Florian Kuhn

Towards Meaningful Maps of Polish Case Law 185
Michał Jungiewicz and Michał Łopuszyński

Search and Discovery in Legal Document Networks 187
Nada Mimouni, Adeline Nazarenko and Sylvie Salotti

Extracting Hohfeldian Relations from Text 189
Wim Peters and Adam Wyner

The Role of AI & Law in Legal Data Science 191
Erich Schweighofer

A Data Science Environment for Legal Texts 193
Bernhard Waltl, Marin Zec and Florian Matthes

Subject Index 195

Author Index 197