

THE CAMBRIDGE HANDBOOK OF LAWYERING IN THE DIGITAL AGE

With increasing digitalization and the evolution of artificial intelligence, the legal profession is on the verge of being transformed by technology (legal tech). This handbook examines these developments and the changing legal landscape by providing perspectives from multiple interested parties, including practitioners, academics, and legal tech companies from different legal systems. Scrutinizing the real implications posed by legal tech, the book advocates for an unbiased, cautious approach for the engagement of technology in legal practice. It also carefully addresses the core question of how to balance fears of industry takeover by technology with the potential for using legal tech to expand services and create value for clients. Together, the chapters develop a framework for analyzing the costs and benefits of new technologies before they are implemented in legal practice. This interdisciplinary collection features contributions from lawyers, social scientists, institutional officials, technologists, and current developers of e-law platforms and services.

LARRY A. DIMATTEO is the Huber Hurst Professor of Contract Law at the Warrington College of Business and Levin College of Law, University of Florida. He was the Editor-in-Chief of the American Business Law Journal, a 2012 Fulbright Professor, and author of fourteen books. His most recent publications include The Cambridge Handbook of Smart Contracts, Blockchain Technology and Digital Platforms (with Michel Cannarsa and Cristina Poncibò, Cambridge, 2019) and The Cambridge Handbook of Judicial Control of Arbitral Awards (with Marta Infantino and Nathalie M-P Potin, Cambridge, 2021).

ANDRÉ JANSSEN is a chair for (European) Private Law professor at Radboud University, The Netherlands. He has held previous positions at multiple international institutions, including the Universities of Münster, Turin, and the City University of Hong Kong. Professor Janssen is also a member of several international research networks and has published more than 150 books and articles in the fields of private, European, comparative and international sales law, and artificial intelligence and law. He is the co-editor-in-chief of the European Review of Private Law (ERPL) and is a member of the editorial board of the International Arbitration Law Review (IALR).

PIETRO ORTOLANI is Professor of Digital Conflict Resolution at Radboud University, The Netherlands. Before joining Radboud University, he was a Senior Research Fellow at the Max Planck Institute Luxembourg for Procedural Law and a Law Research Associate at Queen Mary, University of London. In 2016, Pietro won the James Crawford Prize. He has also contributed to a European Parliament Study concerning the legal instruments and practice of arbitration in the EU.

FRANCISCO DE ELIZALDE is the Chair of Legal Studies at IE Law School, IE University (Spain). He focuses on Comparative Private Law, especially Contracts and the Law of Property. He is a Visiting Professor at Koç University (Turkey) and has lectured at the City University of Hong Kong and FGV Sao Paulo (Brazil). He is a member of the Madrid Bar Association, the American Society of Comparative Law and the European Law Institute. Professor Elizalde is also the head of the EUfinanced Jean Monnet Module 'Liability of Robots: a European Vision for a New Legal Regime'.

MICHEL CANNARSA is Professor and Dean of Law at UCLy. His areas of research include product liability, law of new technologies, comparative law, consumer law and law of obligations. He has published recent books and articles on the interaction between law and technology, contract law and products liability law.



MATEJA DUROVIC is a Reader in Contract and Commercial Law and Deputy Director of the Centre for Technology, Ethics, Law and Society at King's College London. He had held previous positions at the City University of Hong Kong, the EUI, Italy, Stanford Law School, USA, and the Max Planck Institute of Private International and Comparative Law, Hamburg, Germany.



The Cambridge Handbook of Lawyering in the Digital Age

Edited by

LARRY A. DIMATTEO

University of Florida

ANDRÉ JANSSEN

Radboud University Nijmegen

PIETRO ORTOLANI

Radboud University Nijmegen

FRANCISCO DE ELIZALDE

IE University Madrid

MICHEL CANNARSA

Lyon Catholic University (UCLy)

MATEJA DUROVIC

King's College London





CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314-321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi - 110025, India

103 Penang Road, #05-06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning, and research at the highest international levels of excellence.

www.cambridge.org Information on this title: www.cambridge.org/9781108837460 DOI: 10.1017/9781108936040

© Cambridge University Press 2021

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2021

A catalogue record for this publication is available from the British Library.

Library of Congress Cataloging-in-Publication Data

NAMES: Lawyers in the Digital Age (Conference) (2019: Amsterdam, Netherlands) | DiMatteo, Larry A., editor. | Janssen, Andre, 1972- editor. | Ortolani, Pietro, editor. | Elizalde, Francisco de, editor. | Cannarsa, Michel, editor. | Durovic, Mateja, editor.

TITLE: The Cambridge handbook of lawyering in the digital age / edited by Larry A. DiMatteo, André Janssen, Radboud Universiteit Nijmegen; Pietro Ortolani, Radboud Universiteit Nijmegen; Francisco de Elizalde, IE University Madrid; Michel Cannarsa, Catholic Lyon University; Mateja Durovic, King's College London.

DESCRIPTION: Cambridge, United Kingdom; New York, NY: Cambridge University Press, 2021. | Series: Cambridge law handbooks

IDENTIFIERS: LCCN 2021025008 (print) | LCCN 2021025009 (ebook) | ISBN 9781108837460 (hardback) | ISBN 9781108936040 (epub)

SUBJECTS: LCSH: Lawyers–Effect of technological innovations on–Congresses. | Legal services–Technological innovations–Congresses. | Practice of law–Technological innovations–Congresses. | LCGFT: Conference papers and proceedings

classification: LCC K120 .L395 2019 (print) | LCC K120 (ebook) | DDC 340.0285–DC23

LC record available at https://lccn.loc.gov/2021025008

LC ebook record available at https://lccn.loc.gov/2021025009

ISBN 978-1-108-83746-0 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.



Contents

Detailed Contents		page vii
List	t of Figures	xvii
List	t of Contributors	xix
Prej	face	XXV
1	Lawyering in the Digital Age Pietro Ortolani and Larry A. DiMatteo	1
	PART I EFFECTS OF TECHNOLOGY ON LEGAL PRACTICE	
2	Disruptive Effects of Legal Tech Jiaying Christine Jiang, Larry A. DiMatteo, and Robert E. Thomas	9
3	The Effects of Technology on Legal Practice: From Punch Card to Artificial Intelligence? André Janssen and Tom J. Vennmanns	38
4	Legal Drafting and Automation Benjamin Werthmann	57
5	Emerging Rules on Artificial Intelligence: Trojan Horses of Ethics in the Realm of Law? Florian Möslein and Maximilian Horn	77
	PART II LEGAL TECH AND ADR	
6	Legal Tech in ADR Mateja Durovic and Franciszek Lech	99
7	A Blockchain-Based Smart Dispute Resolution Method Alessandro Palombo, Raffaele Battaglini, and Luigi Cantisani	122
8	Digital Dispute Resolution: Blurring the Boundaries of ADR Pietro Ortolani	140

V



vi Contents

	PART III LEGAL TECH IN CONSUMER RELATIONS AND SMALL CLAIMS	
9	Legal Tech in Consumer Relations and Small-Value Claims: A Survey Francisco de Elizalde	159
10	Regulation of Legal Services and Access to Justice in the Digital Age: A War Report Jin Ho Verdonschot and Max Houben	179
11	Legal Tech and EU Consumer Law Martin Ebers	195
12	The Two Faces of Legal Tech in B ₂ C Relations Eric Tjong Tjin Tai	220
	PART IV LEGAL TECH AND PUBLIC LAW	
13	Blockchain's Heterotopia: Technological Infrastructures and Lawyering in the Public Sector Georgios Dimitropoulos	239
14	Fundamental Rights and the Use of Artificial Intelligence in Court Jean-Marc van Gyseghem	257
15	Legal Tech in Public Administration: Prospects and Challenges Antonios Kouroutakis	272
	PART V LEGAL ETHICS AND SOCIETAL VALUES CONFRONT TECHNOLOGY	
16	Ethics Guidelines for Trustworthy AI Michel Cannarsa	283
17	Ethical Digital Lawyering: From Technical to Philosophical Insights Mathieu Guillermin, Arnaud Billion, Carine Copain-Héritier, and Emmanuel de Vaujany	298
18	Law, Disintermediation and the Future of Trust Christoph Kletzer	312
	PART VI FATE OF THE LEGAL PROFESSIONS	
19	Lawyering Somewhere between Computation and the Will to Act: A Digital Age Reflection Jeffrey M. Lipshaw	3 2 7
20	Surviving the Digital Transformation: A Method for Lawyers to Approach Legal Tech Paw Fruerlund and Sebastian Peters	358
21	Road Forward: Promise and Danger Larry A. DiMatteo and Pietro Ortolani	372



Detailed Contents

1	Lawyering in the Digital Age	1
	1.1 Introduction	1
	1.2 Scope and Structure of the Book	2
	1.2.1 Effects of Technology on Legal Practice	3
	1.2.2 Legal Tech and Alternative Dispute Resolution	4
	1.2.3 Legal Tech in Consumer Relations and Small Claims	4
	1.2.4 Legal Tech and Public Law	5
	1.2.5 Legal Ethics and Societal Values Confront Technology	
	1.2.6 Fate of the Legal Professions	5 6
	PART I EFFECTS OF TECHNOLOGY ON LEGAL PRACTICE	
2	Disruptive Effects of Legal Tech	9
	2.1 Introduction	9
	2.2 Legal Practice before the Age of Information	12
	2.2.1 Dawning of a New Era: Pre-1970s	12
	2.2.2 Advent of the Internet and the First Legal Databases	12
	2.3 Twenty-First Century: Interface of Legal Practice and Technology	14
	2.3.1 Baby Steps: E-Discovery and Early Staged Automation	15
	2.3.2 Legal Tech: Augmenting the Lawyers' Work	16
	2.3.2.1 Drafting Legal Documents	17
	2.3.2.2 Analyzing Legal Documents	17
	2.3.2.3 Measuring Legal Performance	18
	2.3.2.4 Structuring and Management of Legal Workflows	18
	2.3.2.5 Legal Research	19
	2.3.3 Technology as a Legal Substitute	20
	2.3.3.1 Online Pseudo-law Services	20
	2.3.3.2 Internet Courts and the Use of Tamper-Proof Evidence	21
	2.3.3.3 Notary Publics and the Blockchain	23
	2.3.3.4 Smart Contracts and the Challenges of Implementation	25
	2.4 Future of Legal Practice	26
	2.4.1 Advanced AI: Thinking and Performing like a Lawyer?	27



viii Detailed Contents

	2.4.2 Smart Contracts and the Blockchain: Executable Law?	28
	2.4.3 Future of Legal Ethics	28
	2.5 Co-opting Legal Tech	30
	2.5.1 Using Technology to Make Lawyering More Efficient	31
	2.5.2 Retaining the Human Dimension of Lawyering	33
	2.5.3 Reforming Legal Education	35
	2.6 Conclusion	37
3	The Effects of Technology on Legal Practice: From Punch Card to Artificial	_
	Intelligence?	38
	3.1 Introduction	38
	3.2 Law and Technology: Two Opposing Worlds Colliding?	39
	3.2.1 Traditional Character of Law as an 'Analogous' Field of Expertise	39
	3.2.2 Entrenched Working Methods, Unwillingness to Change and	
	Scepticism: Prejudice or Real Phenomenon?	41
	3.2.3 Established Main Features of Working Methods and Methodology	
	within Legal Practice: Lack of Formal Logic	42
	3.2.4 Expectations of a Lawyer in the Course of Time: Yesterday and Tomorrow	43
	3.2.4.1 Legal Practitioners and Law Firms	43
	3.2.4.2 State Courts, Arbitral Tribunals and Other Means of Private	
	Dispute Resolution	44
	3.3 Artificial Intelligence: Lawyers in the Grip of Technological Change	46
	3.3.1 The Gradual Embedding of Technology in Legal Practice	46
	3.3.1.1 First Steps: Electronic Data Processing and Computing	46
	3.3.1.2 Big Data and Modern Telecommunication	48
	3.3.1.3 Artificial Intelligence, Algorithms and Automated	
	Decision-Making (Legal Tech 3.0, ODR and Robo-judges)	49
	3.4 Some Problems and Threats Identified	49
	3.4.1 Lack of Legislative Will to Prepare Legal Practice for the Digital Age:	
	The Example of Germany	49
	3.4.2 Failure to Make Full Use of the Existing Legal Possibilities	51
	3.4.3 Inequality of Arms: Disparities in Resources and Know-How for	
	Investment in Digital Infrastructure	52
	3.4.4 Possible Consequences for the Legal Service Market: The Human	
	Lawyer at Risk of Becoming a Discontinued Model?	53
	3.5 Outlook	55
4	Legal Drafting and Automation	57
	4.1 Introduction	57
	4.1.1 Automation and Legal Tech	57
	4.1.2 Automation in the Context of AI	58
	4.1.3 Automation and Blockchain	59
	4.2 Legal Drafting	6c
	4.2.1 Drafting Background	60
	4.2.1.1 Document Purposes	60
	4.2.1.2 Expectations	60
	4.2.1.3 Contract Logic	61



		Detailed Contents	13
	4.2.2	Quality Criteria for Contracts	61
		4.2.2.1 Legal Validity	61
		4.2.2.2 Transparency	62
		4.2.2.3 Consistency	63
	4.2.3	Internal Drafting Requirements	63
		4.2.3.1 Precise Language	63
		4.2.3.2 Clear Structure	63
		4.2.3.3 Compliance	64
		4.2.3.4 Velocity	65
	4.2.4	Contract Content	65
		4.2.4.1 Essential Rights and Obligations	65
		4.2.4.2 Ancillary Rights and Obligations	66
		4.2.4.3 Modifications and Business Logic	66
		4.2.4.4 Boilerplate Provisions	66
4.3		mation	66
	4.3.1	Evolution of Contract Automation	67
		4.3.1.1 Use of Precedents and Templates	67
		4.3.1.2 Questionnaires and Annotations	68 68
		4.3.1.3 Automated Templates (Contract Generators) 4.3.1.4 Robo-lawyers	
	422	Document Automation Requirements	69 69
	4.3.4	4.3.2.1 Interface	69
		4.3.2.2 Logic	79
		4.3.2.3 Maintenance	79
		4.3.2.4 Compatibility	79
	4.3.3	Automation Instruments	71
	100	4.3.3.1 Expert Systems	71
		4.3.3.2 Artificial Intelligence and Blockchain	71
	4.3.4	Best Practices for Contract Automation	72
		4.3.4.1 Cost-Benefit Analysis (80/20 Rule)	72
		4.3.4.2 User-Centric Contract Design	73
		4.3.4.3 Open Source Practices	74
4.4	Con	clusion and Outlook	75
Em	ergin	g Rules on Artificial Intelligence: Trojan Horses of Ethics in	
		m of Law?	77
5.1	Intro	duction	77
5.2	Vario	ety of Emerging Rules	79
		International Level	79
	5.2.2	European Level	8c
		National Level	81
	5.2.4	Self-Regulation	82
5.3	Con	verging Substance of Emerging Rules	83
		Control and Controllability	84
		Disclosure	85
		Safeguarding Individual Rights	86
	5.3.4	Public Good Requirements	86

5



x Detailed Contents

	5.4 Legal Relevance	85
	5.4.1 Distinguishing between Law and Ethics	87
	5.4.2 Formal Classification	88
	5.4.3 Effective Impact	88
	5.5 Fields of Application	89
	5.5.1 Company Law (Robo-directors)	89
	5.5.2 Securities Law (Robo-advisors)	9:
	5.5.3 Rules of Professional Conduct (Robo-lawyers)	92
	5.5.3.1 Impact on Permissibility of Legal Tech	94
	5.5.3.2 Impact on Standards of Ethical Conduct	94
	5.6 Conclusion	95
	PART II LEGAL TECH AND ADR	
6	Legal Tech in ADR	99
	6.1 Introduction	90
	6.2 ODR, ADR, DR and Courts: Navigating the Terminological	,
	Minefield	10
	6.3 Technology as a Key to Dissemination of Effective Justice	103
	6.3.1 Access to Justice	103
	6.3.2 Efficiency	108
	6.3.3 Blockchain: A Thorn in ADR's Side	110
	6.3.4 Technology: ADR's Saviour or Undertaker?	112
	6.4 Technology in Practice: Examples of 'New' ADR	113
	6.4.1 Kleros	113
	6.4.2 Juris	115
	6.4.3 Mattereum	116
	6.4.4 JUR	116
	6.4.5 Jury Online	117
	6.4.6 Aragon	117
	6.4.7 RHUbarb	118
	6.4.8 Multi-signature Smart Contract	110
	6.4.9 Blockchain Arbitration Forum	110
	6.4.10 ClickNSettle and Others	120
	6.5 Conclusion	120
7	A Blockchain-Based Smart Dispute Resolution Method	122
	7.1 Introduction	122
	7.2 Arbitration and ADR: Current Status	122
	7.2.1 Scope of Arbitration and ADR	123
	7.2.2 Sovereign Jurisdictional Authority and Private Autonomy	123
	7.2.3 Existing Framework and International Conventions	124
	7.2.4 Advantages and Disadvantages of Arbitration and ADR	126
	7.3 Advent of Blockchain-Based ODR	127
	7.3.1 Brief Introduction to Blockchain and Smart Contract	127
	7.3.2 Smart (Legal) Contracts and Their Inherent Limits	128
	7.3.3 Smart Dispute Resolution: State of the Art	120



	Detailed Contents	xi
	7.3.3.1 Kleros	130
	7.3.3.2 Mattereum	130
	7.3.4 Limitations of Oracles-Based SDR Systems	131
	7.3.4.1 Impartiality and Expertise of the Decision-Maker versus	
	Economic Incentives Systems	131
	7.3.4.2 Due Process and Legal Validity of the Decision	131
	7.3.5 Advantages of the Oracles-Based SDR Systems	132
	7.3.5.1 Small Claims Courts	133
	7.3.5.2 Mediation	133
	7.3.5.3 Arbitration	133
	7.3.6 Summary of Oracle-Based SDR Systems	134
	7.4 Proposal for Legally Binding SDR	134
	7.4.1 Designing Decentralized Smart Arbitration	135
	7.4.2 Economic Sustainability of the System	136
	7.4.3 Anti-corruption Measures and Reserve Account	136
	7.4.4 Preemptive Review on the Merits and Case Reassignment	137
	7.5 Proposing a New Lex Mercatoria via Blockchain	137
	7.5.1 Fairness and Best Practices for Smart Arbitration and Trade	138
	7.5.2 Potential Benefits	138
	7.6 Conclusion	138
8	Digital Dispute Resolution: Blurring the Boundaries of ADR	140
	8.1 Introduction	140
	8.2 Traditional Modes of Boundaries in ADR	142
	8.2.1 Quasi-monopoly to Delegation: Courts and Arbitration	142
	8.2.2 Enforceability without Adjudication: Rise of Mediation	144
	8.2.3 Bounded Autonomy: Judicial Intervention and Review as	
	Boundary-Defining	145
	8.3 Rise of New Forms of Digital Dispute Resolution	146
	8.3.1 Origins of Technology-Driven Self-Enforcement: Domain Name	
	Dispute Resolution	147
	8.3.2 Platforms as Dispute Resolution Service Providers	148
	8.3.3 Smart Contracts and Settlement Agreements	150
	8.3.4 Smart Online Dispute Resolution	151
	8.4 Increasing Porousness of Procedural Law in Times of Technological	
	Acceleration	152
	8.4.1 Self-Enforcing Adjudication, Due Process and Judicial Review	153
	8.4.2 End of Finality?	154
	8.4.3 Public Policy and the Enforcement of Substantive Law	155
	8.5 Conclusion	156
	PART III LEGAL TECH IN CONSUMER RELATIONS AND SMALL CLAIMS	
9	Legal Tech in Consumer Relations and Small-Value Claims: A Survey	159
	9.1 Introduction	159
	9.2 Survey	160
	9.2.1 Methodology	160



xii Detailed Contents

	9.2.2 Results	16:
	9.2.2.1 Companies by Sector	16:
	9.2.2.2 Self-Assessment of Automation	16
	9.2.2.3 Degrees of Automation and Control of the Self-Assessment	
	Exercise: Technology and Success Rates in Court	16:
	9.2.2.4 Applicable Law and Automation	166
	9.3 A Qualitative Assessment of the Survey	167
	9.3.1 Classification of Companies by Degree of Automation	168
	9.3.2 Suitability of Law for Automation and Variations in Technological Efficiency	160
	9.3.3 How Law Determines Automation	17
	9.3.3.1 Air Carriage	17
	9.3.3.2 Banking	173
	9.3.3.3 Tenancy in Germany	176
	9.3.3.4 Telecommunications	177
	9.4 Conclusion	178
10	Regulation of Legal Services and Access to Justice in the Digital Age:	
	A War Report	179
	10.1 Introduction	179
	10.1.1 Global Access to Justice	179
	10.1.2 New Delivery Concepts	180
	10.1.3 What Now?	18
	10.2 LegalZoom	18
	10.3 LegalDutch	18
	10.4 WenigerMiete	189
	10.5 Doctrine	187
	10.6 Demander Justice	189
	10.7 Concluding Remarks	19
11	Legal Tech and EU Consumer Law	195
	11.1 Introduction	195
	11.1.1 Rise of LT in Consumer Markets	195
	11.1.2 Underlying Technology: From Hand-Coded to Data-Learned Knowledge	197
	11.1.3 Opportunities for Consumers	198
	11.1.4 Risks for Consumers	199
	11.2 Current Regulatory Framework in a Nutshell	200
	11.2.1 The Interplay between Legal Services Regulation, EU Consumer	
	and Data Protection Law	200
	11.2.2 Evaluation	20
	11.3 Legal Services Regulations and LT	202
	11.3.1 Regulation of Legal Services in the EU	202
	11.3.2 LT as a Challenge for Legal Services Regulation	203
	11.3.3 Contract Generators as Unauthorized Practice of Law?	204
	11.3.4 Risks from Unregulated LT Providers	205
	11.4 EU Consumer Law and LT	205
	11.4.1 Regulation of Consumer Law in the EU	205
	11.4.2 Applicability of EU Consumer Law to LT	206



	Detailed Contents	X111
	11.4.3 Prohibition of Unfair Commercial Practices	208
	11.4.4 Information Requirements and the Right of Withdrawal	208
	11.4.5 Quality of Service	209
	11.4.6 Legal Ethics and Fairness	210
	11.4.7 Further Gaps in Consumer Protection	212
	11.4.8 Summary	212
	11.5 EU Data Protection Law and LT	213
	11.5.1 Legal Services Regulation and Data Protection Law	213
	11.5.2 LT and Data Protection under the GDPR	213
	11.5.3 Limits of the GDPR	214
	11.5.4 Summary 11.6 Outlook	216
		216 216
	11.6.1 Unresolved Questions 11.6.2 Current Approaches of Regulators	216 216
	11.6.3 Alternative Approaches: Regulatory Sandboxes	
	11.6.4 The Future (European) Legal Framework	217 218
	11.0.4 The Future (European) Legal Francework	210
12	The Two Faces of Legal Tech in B2C Relations	220
	12.1 Introduction	220
	12.2 The Promise of Legal Tech in B2C Relations	221
	12.2.1 General Considerations regarding Legal Tech in Businesses	221
	12.2.2 Customer Communications	221
	12.2.3 Business Protocols	222
	12.2.4 IT to Execute and Enforce Contracts	224
	12.2.5 Summary	224
	12.3 Consequences of Legal Tech in B2C	224
	12.4 Case of eBay	228
	12.5 Traditional View of Regulation of Complaint Handling	230
	12.6 Legal Regulation of B2C Relations: Bad Faith Insurance	231
	12.7 Professional Diligence as Fundamental Principle for Legal Tech	233
	12.8 Toward Developmental Diligence 12.9 Conclusion	234
	12.9 Conclusion	² 35
	PART IV LEGAL TECH AND PUBLIC LAW	
13	Blockchain's Heterotopia: Technological Infrastructures and Lawyering	
	in the Public Sector	239
	13.1 Introduction	239
	13.2 Blockchain and the "Infrastructural Paradox" of Contemporary Public Law	242
	13.2.1 Conflicting Trends in Public Law	242
	13.2.2 Rise of Physical Infrastructure in Public Law	² 44
	13.2.3 Infrastructural Dimension of Blockchain	² 45
	13.2.3.1 Physical Manifestations	246
	13.2.3.2 Effects on the Individual and Society	24 7
	13.2.3.3 Blockchain as a Technological Infrastructure	248
	13.3 Law and Lawyering in the Digital Age of Blockchain	248
	13.3.1 Law's Stance and Regulatory Reaction to the Rise of Blockchain	2 49



xiv

Detailed Contents

	13.3.2 Lawyering in the Digital Age: Reconciling Antitheses	251
	13.3.2.1 Reconciling Innovation with Regulation	251
	13.3.2.2 Reconciling Decentralization with Accountability	252
	13.3.2.3 Reconciling the Coexistence of Multiple Infrastructures	² 54
	13.4 Conclusion	255
14	Fundamental Rights and the Use of Artificial Intelligence in Court	257
	14.1 Introduction	257
	14.2 Transparency	259
	14.2.1 Principles	259
	14.2.2 Transparency of AI	260
	14.3 Impartiality and Presumption of Innocence	265
	14.3.1 Principle	265
	14.3.2 Impartiality and Presumption of Innocence and AI	266
	14.4 Equal Access to Justice	269
	14.5 Further Processing	270
	14.6 Conclusion	271
15	Legal Tech in Public Administration: Prospects and Challenges	272
	15.1 Introduction	272
	15.2 The Prospect of Legal Tech in Public Administration	273
	15.3 Publictech Challenged: Concerns Coming from Case Law and Theory	277
	15.4 Preliminary Review and Scrutiny of Publictech	279
	15.5 Conclusion	280
	PART V LEGAL ETHICS AND SOCIETAL VALUES CONFRONT TECHNOLOGY	
16	Ethics Guidelines for Trustworthy AI	283
	16.1 Introduction: Artificial Intelligence but Real Concerns	283
	16.2 Ethical Guidelines for Trustworthy AI: An Inflationary Trend	285
	16.2.1 Definition of Trustworthy AI	285
	16.2.2 Focus on Human Rights and Privacy	288
	16.2.3 Response Still under Construction	290
	16.3 Impact on the Law: Some Examples	293
	16.3.1 New Civil Liability Framework	293
	16.3.2 New Professional Framework	295
	16.4 Conclusion	296
17	Ethical Digital Lawyering: From Technical to Philosophical Insights	298
	17.1 Introduction	298
	17.2 Ethical Evaluation of New (Legal) Technologies: Need for Contextualization	299
	17.2.1 Insights from Technical Realities: Gain in (Economic) Efficiency?	300
	17.2.2 Gain in Objectivity, Rationality, or Neutrality?	301
	17.3 Influence of Theoretical Backgrounds and Debates	304
	17.3.1 Argument of Standardization	304
	17.3.2 Purging Subjectivity as a Gain in Rationality	307
	17.4 Conclusion	310



	Detailed Contents	XV
18	Law, Disintermediation and the Future of Trust	312
	18.1 Introduction	
	18.2 Peer-to-Peer: Allure of Trustlessness	312
	18.3 Limits of Smartness	3 ¹ 4 3 ¹ 7
	18.4 Reliance, Kantian Trust and Human Nature	319
	18.5 Trust and the Law	322
	18.6 Conclusion	323
	PART VI FATE OF THE LEGAL PROFESSIONS	
19	Lawyering Somewhere between Computation and the Will to Act:	
	A Digital Age Reflection	327
	19.1 Introduction	3 2 7
	19.2 Digital Capability and Lawyering	331
	19.2.1 Algorithmic Decision-Making Tools Generally	332
	19.2.2 State of the Art in Algorithmic Lawyering	333
	19.2.2.1 Well-Established Usages	333
	19.2.2.2 Cutting Edge	334
	19.3 Ends, Thought, and Action	337
	19.3.1 Segue (or a Leap) from Algorithms (Machines) to Ends (Minds)	337
	19.3.2 Embodied <i>Telos</i>	339
	19.3.2.1 Evolution of Ends	339
	19.3.2.2 Telos of System 1 Thinking	343
	19.3.3 Intuition as More Than Mere Thought	345
	19.3.4 Insight	347
	19.3.4.1 Difference between Intuition and Insight	3 4 7
	19.3.4.2 Non-deliberation as Insight or Inspiration	349
	19.3.5 Action and Will	352
	19.3.6 Lawyering in the Face of Irreconcilable Complementarities	354
	19.3.7 Rest of the Caregiving Story (a Microcosm in Lawyering)	356
	19.4 Conclusion	357
2 0	Surviving the Digital Transformation: A Method for Lawyers to Approach Legal Tech	258
	20.1 Scope and Perspective	358
	20.1 Scope and reispective 20.2 Buzzwords	358 360
	20.2.1 Fake Tech	360 360
	20.2.2 Hype Tech	361
	20.2.3 Actual Legal Tech	361 361
	20.2.4 Typical Lawyer	362
	20.3 Developing or Adapting Legal Tech in a Law Firm	363
	20.3.1 Ideation	363
	20.3.1.1 Getting the Right People: Facilitator and the Participants	363
	20.3.1.2 Getting the Ideas	364
	20.3.1.3 Selecting the Good Ones	366
	20.3.2 Business Case	366
	20.3.2.1 Going from the Solution to the How	366



xvi Detailed Contents

and an Minimum Variable Dreshoot	-6-
	367
,	368
20.3.5 Implementation	369
20.3.5.1 Inclusion from Beginning to End	369
20.3.5.2 Right Users at the Right Time	369
20.3.5.3 Implementation after Going Live	370
20.3.5.4 Handoff to Operations and Maintenance	370
20.4 Conclusion	370
Road Forward: Promise and Danger	372
21.1 Introduction	372
21.2 Law and Technology	373
21.3 Legal Practice and Competition	373
21.4 Consumers, Access to Justice, and Regulation	374
21.5 Technology and ADR	377
21.6 LT, Legal Education, and Legal Ethics	378
21.6.1 Legal Education	378
21.6.2 LT and Legal Ethics	378
21.7 Conclusion	379
	20.3.5.1 Inclusion from Beginning to End 20.3.5.2 Right Users at the Right Time 20.3.5.3 Implementation after Going Live 20.3.5.4 Handoff to Operations and Maintenance 20.4 Conclusion Road Forward: Promise and Danger 21.1 Introduction 21.2 Law and Technology 21.3 Legal Practice and Competition 21.4 Consumers, Access to Justice, and Regulation 21.5 Technology and ADR 21.6 LT, Legal Education, and Legal Ethics 21.6.1 Legal Education 21.6.2 LT and Legal Ethics



Figures

11.1 Interplay between legal services regulation, EU consumer and data protection law12.1 Opportunities for legal tech in the business process

page 200

225

xvii



Contributors

Raffaele Battaglini is founder of Battaglini-De Sabato Law Firm, acting as Chief Legal Officer at JUR A.G. He is a member of the "Blockchain Technology and Smart Contracts" working group at the European Law Institute and co-organizer of the Legal Hackers Torino Chapter.

Arnaud Billion leads an AI and IT Ethics initiative at IBM France Lab. Billion is a lawyer, specializing in international copyright law. His domains of interest encompass computable law, ethics of information technology, and the question of whether AI outputs can be copyright protected.

Michel Cannarsa is Dean of Law at Lyon Catholic University (UCLy). His areas of research are product liability, law of new technologies, comparative law, consumer law, and law of obligations. He has recent books and articles on the interaction between law and technology, contract, and products liability law including, "Civil Liability and New Technologies," in T. Tridimas and M. Durovic (eds.), The Future of European Private Law (Hart, 2021); The Cambridge Handbook of Smart Contracts, Blockchain Technology and Digital Platforms, co-edited with L. DiMatteo and C. Poncibò (Cambridge University Press, 2019); "Interpretation of Contracts and Smart Contracts: Smart Interpretation or Interpretation of Smart Contracts?" (2018) 26 (6) European Review Private Law, pp. 773–785; "Remedies and Damages," in L. DiMatteo and C. Lei (eds.), Chinese Contract Law, Civil and Common Law Perspectives (Cambridge University Press, 2017), pp. 377–403. He is regularly involved in European research projects and currently chairs the Notaries beyond Frontiers EU project (European Commission Justice Programme). He is a fellow of the European Law Institute and an elected member of UCLy's Scientific Committee.

Luigi Cantisani holds an LLM in international trade law, is a lawyer qualified to practice law in Italy, advising SMEs and start-ups in the field of corporate law, commercial contracts, and new technologies. Additionally, he works as an outsourced legal engineer for companies engaged in the development of LT platforms, including blockchain-based platforms for smart legal contracts and online dispute resolution.

Larry A. DiMatteo is the Huber Hurst Professor of Contract Law at the Warrington College of Business and Levin College of Law, University of Florida. He was the editor-in-chief of the American Business Law Journal, a 2012 Fulbright Professor, and author of fourteen books. His most recent publications include The Cambridge Handbook of Smart Contracts, Blockchain Technology and Digital Platforms (with Michel Cannarsa and Cristina Poncibò, Cambridge



XX

List of Contributors

University Press, 2019) and *The Cambridge Handbook of Judicial Control of Arbitral Awards* (with Marta Infantino and Nathalie M.-P. Potin, Cambridge University Press, 2021).

Georgios Dimitropoulos is an associate professor of Law at HBKU College of Law. He is also a research associate at the University College London Centre for Law, Economics and Society (UCL CLES) and the University College London Centre for Blockchain Technologies (UCL CBT). Georgios studied law at the University of Athens and holds an LLM from Yale Law School, as well as an LLM and a PhD summa cum laude from the University of Heidelberg. Before joining HBKU Law, he was a senior research fellow at the Max Planck Institute Luxembourg and a Hauser Research Scholar at New York University (NYU) School of Law. His work has appeared in journals such as the Northwestern Journal of International Law & Business, the Journal of International Dispute Settlement, the Journal of World Investment & Trade, The Law and Practice of International Courts and Tribunals, the Journal of Law and Policy, and the Maastricht Journal of European and Comparative Law. His coedited book Regulating Blockchain: Techno-Social and Legal Challenges was published by Oxford University Press in 2019.

Mateja Durovic is a reader in Contract and Commercial Law and Co-Director of the Centre for Technology, Ethics, Law and Society at King's College London. Previous to this, he was an assistant professor (2015–2017) at the School of Law, City University of Hong Kong. Dr. Mateja Durovic holds PhD and LLM degrees from the European University Institute, Italy, an LLM degree from the University of Cambridge, and an LLB degree from the University of Belgrade, Serbia where he graduated as the first and the best student of his class. Dr. Durovic was a post-doc research associate at the EUI, Italy (2014–2015), visiting scholar at Stanford Law School (2011) and at the Max Planck Institute of Private International and Comparative Law, Hamburg, Germany (2010). Dr. Durovic worked for the Legal Service of the European Commission, as well as a consultant for the European Commission, BEUC, GIZ, World Bank, and the United Nations. The work of Dr. Durovic has been published in leading law journals (European Review of Private Law, European Review of Contract Law, Journal of Consumer Policy) and by most prominent publishers (Oxford University Press, Cambridge University Press, Hart Publishing). He is a member of the European Law Institute, Society of Legal Scholars, and Society for European Contract Law.

Martin Ebers is Professor of IT Law at the University of Tartu, Estonia and Permanent Fellow (Privatdozent) at the law faculty of the Humboldt University of Berlin, Germany. He is cofounder and President of the Robotics & AI Law Society (RAILS). In addition to research and teaching, he has been active in the field of legal consulting for many years. His main areas of expertise and research are IT law, liability and insurance law, and European and comparative law. In 2016, he published the monograph Rights, Remedies and Sanctions in EU Private Law. (Mohr Siebeck). Most recently, he published Algorithms and Law (Cambridge University Press, 2020) and the Rechtshandbuch Künstliche Intelligenz und Robotik (C. H. Beck, 2020).

Francisco de Elizalde is the Chair of Legal Studies at IE Law School, IE University (Spain). He focuses on comparative private law, especially contracts and the law of property. He is a visiting professor at Koç University (Turkey) and has lectured at the City University of Hong Kong and FGV Sao Paulo (Brazil). He is a member of the Madrid Bar Association, the American Society of Comparative Law, and the European Law Institute. Professor Elizalde is also the head of the EU-financed Jean Monnet Module "Liability of Robots: A European Vision for a New Legal Regime."



List of Contributors

xxi

Paw Fruerlund is a digitalization expert and a highly experienced litigator and arbitration practitioner with extensive expertise handling complex disputes within three areas: the technology sector, public decisions, and commercial matters. Paw assists in both major dispute resolution and counsels on matters within these fields, for example, regarding cutting-edge issues in technology and digitalization-related regulatory matters. In recent years, Paw has been in charge of extensive legal investigations into the legality of several public case management IT-systems. Further, Paw has headed several of the Law Firm Poul Schmith's LT endeavors, having headed the development and implementation of three sector-specific case management systems in the process. Finally, Paw is part of the firm's Digital Opportunity Board in charge of digitalization of the law firm and is a sought after lecturer on the matter of digitalization of the law industry.

Carine Copain-Héritier holds a PhD in criminal law. During her thesis, she studied the coercive powers of legal frameworks in French criminal procedure. Copain-Héritier is an associate professor at the Catholic University of Lyon. Since 2017, she is the Director of the "Digital Lawyer" university diploma. Her current research interests and teaching topics focus on the issue of data protection and on the impacts of new technologies upon legal professions.

Mathieu Guillermin holds a PhD in physics and a PhD in philosophy. He is an associate professor at the Catholic University of Lyon and belongs to the Group of Epistemology and Ethics of Science and Technology (a team of CONFLUENCE: Sciences and Humanities research unit). In this research team, he explores the articulations between ethics, scientific research, and technological developments. He focuses notably upon philosophical and ethical questions raised by new digital technologies (big data, artificial intelligence, robots, etc.).

Jean-Marc van Gyseghem has been working at the Research Centre on Information, Law and Society (www.crids.eu) at the University of Namur (Belgium) since December 2001, where he is now Director of Research after being head of the Research Unit "Liberties in the Information Society" from 2008 to 2016. He has also been a member of the bar of Brussels and partner at Rawlings Giles Law firm (www.rawlingsgiles.be) since 1997, and a member of an ethical committee in a Belgian hospital as well as an invited expert appointed by the Belgian Superior Health Council. He specializes in data protection, eHealth services and products, medical law (including civil liability), and insurance.

Maximilian Horn is Research Assistant at the Institute for Law and Regulation of Digitalisation and the Institute for Commercial and Economic Law at the Philipps University of Marburg. He was born in 1993 and graduated at the Philipps University of Marburg in 2018. He is currently writing his doctoral thesis in the field of digital and economic law. During his studies, he focused on banking and capital market law. His main fields of interest concern questions of the economic and legal implications caused by digitalization, particularly CorpTech, FinTech, and LegalTech. Horn has gained expertise in commercial arbitration as a participant and coach of the Willem C. Vis International Commercial Arbitration Moot Court.

Max Houben builds on his experience as a lawyer in the Netherlands and designs and develops legal tech solutions.

André Janssen is a chair for (European) Private Law professor at Radboud University Nijmegen, The Netherlands. Janssen was a visiting scholar/professor at the Universities of Leuven, Oxford, Turin, Lyon (Catholic University), Verona and at the Chinese University for Political Science and Law in Beijing and at the City University Hong Kong. He has taught and presented at



xxii

List of Contributors

international conferences on five continents, is a member of several international research networks, and published more than 150 books and articles in the field of private, European, comparative, and international sales law, and artificial intelligence and law. He is the Co-Chief Editor of the European Review of Private Law (ERPL) and a member of the editorial board of the International Arbitration Law Review (IALR).

Jiaying Christine Jiang is a Hauser Global Fellow at NYU Law. She is also the co-leader of the Central Bank Digital Currency project, cooperating with the China Center at Yale Law School, as well as a contributor of the RegTrax Initiative at the CodeX, Stanford Law School. Her research focuses on the interaction between law and technology, especially policies and regulations on emerging technologies, such as artificial intelligence, blockchain, and digital currencies. Her research interests also include computational law, comparative law, data rights, platform competition, and privacy issues. In addition, she has been admitted to the bar in China and the state of New York.

Christoph Kletzer is a reader in law at King's College London, having previously been a lecturer at the University of Cambridge and before that at the University of Durham. Dr. Kletzer's research is in the areas of legal, moral, and political philosophy. His main interests lie in German Idealism and the legal and political thought of the Weimar Republic. In recent years, he has also added an expertise in the intersection of law and technology with a special focus on cryptography and technologies of decentralization.

Antonios Kouroutakis is Assistant Professor at IE University in Madrid, Spain, where he teaches constitutional law and the regulation of new technologies and start-ups. Dr. Kouroutakis has taught a variety of law courses and conducted research at the City University of Hong Kong, the Free University of Berlin, FVG Sao Paolo, and Aristotle University of Thessaloniki. Dr. Kouroutakis received a DPhil in Law from the University of Oxford and an LLM from UCLA School of Law. Dr. Kouroutakis' research interests lie mainly in the field of constitutional engineering, public law, and regulation. In particular, Dr. Kouroutakis is interested in the concept of separation of powers, rule of law, emergency legislation, and the regulation of new technologies; he has published widely on these topics in international and peer-reviewed journals, and his work has been cited in numerous reports.

Franciszek M. Lech is a King's Undergraduate Research Fellow and a Dickson Poon Scholar at King's College, London.

Jeffrey M. Lipshaw is the author of Beyond Legal Reasoning: A Critique of Pure Lawyering (Routledge, 2017). He is presently Professor of Law at Suffolk University Law School in Boston, where he teaches contracts and courses in the business curriculum. Before becoming a full-time academic in 2007, Professor Lipshaw spent twenty-six years as a lawyer and business executive, most recently serving as Senior Vice President, General Counsel, and Secretary for Great Lakes Chemical Corporation. He began his career with the law firm of Dykema Gossett in Detroit, where he was a partner in the litigation and corporate groups, and served as the Vice President and General Counsel of AlliedSignal Automotive, a large auto parts manufacturer. Before coming to Suffolk, he was a visiting professor at the Wake Forest and Tulane law schools. He is a graduate of the University of Michigan and Stanford Law School.

Florian Möslein is Director of the Institute for Law and Regulation of Digitalisation (www.irdi .institute) and Professor of Law at the Philipps University of Marburg, where he teaches contract law, company law, and capital markets law. He previously held academic positions at the



List of Contributors

xxiii

Universities of Bremen, St. Gallen, and Berlin, and visiting fellowships in Italy (Florence, European University Institute), the United States (NYU, Stanford, and Berkeley), and Australia (University of Sydney). Having graduated from the Faculty of Law in Munich, he also holds academic degrees from the University of Paris-Assas (licence en droit) and London (LLM in International Business Law). Möslein has published three monographs and more than eighty articles and book chapters, and has edited seven books. His current research focus is on regulatory theory, corporate sustainability, and the legal challenges of the digital age.

Pietro Ortolani is a professor of Digital Conflict Resolution at Radboud University. He holds a law degree from the University of Pisa and a PhD in arbitration from LUISS Guido Carli University, Rome. Before joining Radboud University, he was a senior research fellow at the Max Planck Institute Luxembourg for Procedural Law, a research associate at the University of Pisa, and a law research associate at Queen Mary, University of London. Pietro is admitted to the bar in Italy. He has experience in both ad hoc and institutional arbitration. He has acted as an expert for the European Parliament and the European Commission. Pietro has published in many peer-reviewed international journals, including the Oxford Journal of Legal Studies, the Journal of International Dispute Settlement, and the Leiden Journal of International Law. He regularly acts as reviewer for a wide range of international journals and publishers. In 2016, Pietro won the James Crawford Prize, awarded by the Journal of International Dispute Settlement and Oxford University Press. In 2014, Pietro has contributed to a European Parliament Study concerning the legal instruments and practice of arbitration in the EU.

Alessandro Palombo is a tech entrepreneur with a legal background and the CEO and founder of JUR, whose goal is to provide anyone in more than 166 countries with access to open justice: fast, affordable, and 100 percent online. The vision of JUR is to ensure the same standard and quality worldwide for any civil and commercial disputes. Just like Uber experiences, JUR ensures the same standard on a global scale in New York, Rome, or Bangalore. Palombo is also an advisor for public and private entities such as Oxford University, Astana International Financial Center, San Marino Innovation, and Proriented. He is currently working on decentralized models applied to the justice sector.

Sebastian Peters acts as a digital product consultant based in Copenhagen, Denmark. Sebastian is trained as a lawyer, but now advises his clients on innovation and development processes when new products and businesses are being prepared. Sebastian's specialty is translating business needs into the language of software developers and implementing actionable plans. Eric Tjong Tjin Tai is Professor of Private Law at Tilburg University, where he teaches civil procedure and global tort law. His current research focuses on the interaction of IT and human labor in organizations and its consequences for private law, as well as the changes to private law necessary for dealing with new technologies.

Robert E. Thomas is Darden Restaurants Professor at the Warrington College of Business at the University of Florida. He is a former president of the Academy of Legal Studies in Business (ALSB) and Chair of the Department of Management. His research interests include balancing innovation incentives with access, e-commerce law, intellectual property policy, law and economics, managing technology, and patent law reform.

Emmanuel de Vaujany initially graduated in engineering (thermodynamics) and worked in the automobile industry. Through his interactions with lawyers in different projects, he became interested in juridical reasoning. He then studied law and obtained a PhD in history of law, with



xxiv

List of Contributors

a thesis focused upon Roman Law. He is now associate professor at Lyon Catholic University's law faculty and Deputy Director of the "Digital Lawyer" university diploma. His teaching and research revolve around the topics of data protection and privacy. He is also interested in the impact of digital technologies on law.

Tom J. Vennmanns is a PhD student at Radboud University Nijmegen, the Netherlands. He studied European law (LLB), Dutch law (LLM) and European Law and Global Affairs (LLM) at Radboud University, and German law (LLM) at the University in Münster.

Jin Ho Verdonschot currently is Managing Director at Justix and HelloLaw. His work during the past two decades has focused on legal tech, online dispute resolution, and justice leadership. His experiences span Europe, North America, Asia, Africa, and Australia, where he worked with supreme courts, ministries of justice, legal services corporations, as well as local justice leaders to innovate justice and technology integration.

Benjamin Werthmann is a German-qualified lawyer and representative on the advisory board and lead of the legal tech group of the Robotics and AI Law Society (RAILS). He also organizes regular Tech & Law Camps for RAILS, which cater to students wishing to develop a better understanding of legal technology and innovation. He has a professional background in cross-border corporate and financial transactions as well as restructurings and holds a PhD in capital markets law. After six years with an international law firm, he co-founded a legal tech start-up in Germany and remains an active member of the German and international legal tech scene branching out into the machine learning and data science community. His current practice includes advice to start-ups and established companies on legal technology, innovation and agility, data protection, and related topics.



Preface

This book comprises the collected, revised, and expanded papers on the impact of the digital age (as captured by the term legal tech [LT]) on lawyering presented at a conference held in Amsterdam in October 2019. It should be noted that the editors equally contributed to this book project. The topics selected seek to present a range of perspectives on the rise of LT, from those who view it as highly disruptive and diminishing of the legal profession to those who argue that LT enhances the tasks of lawyers. As has long been the case, the effectiveness of legal practice, in terms of cost efficiency and competency, continues to be influenced by technology. This has already proven to be true, and currently we are witnessing the acceleration of legal technology. What the future holds for the practice of law can only be speculated upon. But, that speculation is worth theorizing about in order to plan for that future. This planning is needed in areas of legal education, investment in technological infrastructure, determining law firm staffing needs – both legal and nonlegal – and envisioning the mix of services that the lawyer of the future will provide. This book begins the process by providing a review of the core issues that lawyers and law firms will be forced to face.

Some of the issues discussed in the book include the following: How will digitalization and AI impact the practice of law? Will AI or machine learning replace or augment the work of lawyers? How has technology affected services provided to clients? How has technology altered policies and rules regarding the confidentiality of information? How will the use of new technologies affect legal ethics? Will LT expand or reduce cases of malpractice? What are the risks of overreliance on LT? How will AI aid arbitrators and mediators to perform their functions? Will smart dispute resolution platforms and robo-judges become alternatives to traditional arbitration and mediation? Will technology make public law more efficient? Can it make public law more just?

As editors of this book, we had the pleasure of working with a diverse group of academics, practitioners, and computer scientists from a dozen countries. We are in debt to all the contributors to this volume from whom we have learned and been enriched by regarding the evolving area of LT and its impact on lawyering.

We are also indebted to the sponsoring schools: IE University Madrid, King's College London, Lyon Catholic University (UCLy), Radboud University Nijmegen, and the University of Florida. Special thanks to the commissioning and editorial staff at Cambridge University Press, especially Matt Gallaway. Finally, we would like to thank the law firm of Allen & Overy for graciously hosting the Amsterdam conference.