Inhaltsverzeichnis

Introduction		9
Chapter I.	Blockchains and DLT in the digital economy	11
	Introduction	11
	Blockchains – a new digital economy?	17
	Introduction Trends of the digital economy DLT and blockchains as a catalyst for lex electronica?	17 20 25
	electroffica:	23
Chapter II.	Blockchains, DLT – basic terms.	34
	DLT – distributed ledgers	34
	Definition	34
	Legal definition	36
	DLT and documents	37
	Blockchains	40
	Definition	40
	Legal definition Blocks	42 45
	Consensus	47
	How does it work?	49
	Types of blockchains	52
Chapter III.	Blockchains in finance	54
	Introduction	54
	Blockchains in financial institutions	56
	Bitcoin and its Bitcoin blockchain	58
	Bitcoin - how does its blockchain work?	59
	Bitcoin blockchains – legal issues	63
	Introduction	63
	License for Ritcoin software	64

	Other contracts within the Bitcoin	
	blockchain	71
	Relationships among "miners"	72
	Mining contracts	80
:	Relationships among Bitcoin holders	82
	Wallets	82
	Transfers of bitcoins or other cryptocurrencies and blockchain records Cryptocurrency "exchanges" and buyers	8 <i>5</i> 88
	Blockchains or DLT and electronic money	92
Chapter IV.	Durable media with blockchain technology	97
	Introduction	97
	Term of durable medium	97
	Blockchain technology and durable media	102
	Private or public blockchain as technology for durable media?	104
	Use of private blockchains as technology for	104
	durable media Use of public blockchains as technology for	104
	durable media	105
	Ways of recording documents on durable	
	media	106
	"Forgetting" a document on a durable	
	medium	108
	"Providing" a document on a blockchain- based durable medium.	108
	based durable medium.	100
Chapter V.	"Smart Contracts".	110
	Introduction	110
	Definition of a Smart Contract	112
	From the point of view of the doctrine	112
	Legal point of view	115
	The Notion, Properties and Classification of "Smart	
	Contracts"	116
	Notion and properties	116
	Classification	119

Inhaltsverzeichnis

	Tokens in "smart contracts".	123
	Introduction	123
	Definition	125
	Tokens – legal issue	127
	"Smart contracts" as private law	131
	"Smart contracts" and lawyers	131
	Custom, common law, lex mercatoria, arbitration	
	and smart contracts	133
Chapter VI.	The future of blockchain solutions in legal regulations (an initiated discussion).	136
Appendix		141
Bibliography		153
The Author		159