

# THE OSGOODE CERTIFICATE IN BLOCKCHAINS, SMART CONTRACTS AND THE LAW

Module One – November 28 & 29, 2019

Module Two – January 20 & 21, 2020

In Person or Webcast

Designed for **lawyers** and **executives** without a technical background, this is an intensive deep dive to help you understand blockchain technology and how it will interact with legal and financial systems.

Blockchain is one of the most significant and multidisciplinary technologies to impact business in recent history.

- Demystify the technology to understand its possibilities and limitations
- Unlock a deeper knowledge of blockchain and distributed ledger systems in a business environment
- Acquire an understanding of the key technical, legal and regulatory considerations in applying blockchain to a business opportunity
- Discover the regulatory evolution of cryptocurrencies and its implication for anonymity, and what blockchain means for the future
- Practical guidance to learn how to build a smart legal contract

**PLUS!** All participants will receive access to three new Online Primers and a PDF copy of *A Practical Guide to Smart Contracts & Blockchain Law*, by Aaron Grinhaus (LexisNexis: 2019).

## Program Directors

Aaron Grinhaus  
Grinhaus Law Firm

Amy ter Haar  
Global Blockchain Consultants

## Location

Osgoode Professional  
Development  
1 Dundas St. W., 26th Floor  
Toronto, ON

Register today at:

[osgoodepd.ca/  
blockchainlaw](https://osgoodepd.ca/blockchainlaw)



# The Osgoode Certificate in Blockchains, Smart Contracts and the Law

In two intensive modules, this one-of-a-kind, focused and practical Certificate, provides an overview of key issues, together with practical strategies from an expert, multi-disciplinary faculty.

*Not ready to complete the full Certificate?*

Choose to register for  
Module One (Nov 28 & 29) or  
Module Two (Jan 20 & 21)

*“Very good overall.  
Broad & deep on  
blockchain and crypto.  
Regulation is coming.”*

**Paul Chipperton**  
Director, Angel Investors Ontario,  
and CEO & President, Mperia  
Therapeutics Inc.

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[osgoodepd.ca/  
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Learning from a truly exceptional faculty of leading experts, you will explore the potential of the blockchain industry, as well as the effect of the technology on other industries. You'll enhance your understanding of blockchain that will arm you with the knowledge and insights to incorporate blockchain into your practice and/or business strategy.

## Practical and Experiential Learning

This program will focus on practical, real world situations and provide ample opportunity for hands-on learning, questions and class discussion. You will take a deep dive into the foundational understanding of how blockchain works, and its potential impact on economies, financial structures, law, business and your business strategy. In addition to **interactive instructional sessions** and expert panel discussions, you will benefit from a learn-by-doing workshop where you will have an opportunity to apply what you've learned, including **how to build a smart legal contract** using the latest tools.

**Space is limited to ensure an engaging and interactive experience. Reserve your spot now!**



## Who Should Attend

This program is carefully designed to help lawyers, financial services and business professionals, entrepreneurs, government officials and public administrators better understand the technical underpinnings of blockchain, how it will likely interact with existing legal and financial systems, and the opportunities for innovation in blockchain systems.

The Certificate bridges a wide gap between specialist and generalist knowledge and is ideal for anyone with a keen interest in blockchain technology, including:

- Lawyers
- Business leaders in a managerial, executive or director position
- Professionals in technology, innovation and new product design
- Business leaders, managers and influencers who want insight into and knowledge of blockchain technology and examples of its uses
- Blockchain enthusiasts
- Government officials, public administrators and policy makers
- General counsel and in-house counsel
- Anti-Money Laundering professionals
- Federal and provincial regulators
- Banking and financial services professionals
- Compliance and risk management professionals
- Business owners and entrepreneurs
- Management consultants and technology consultants
- Technologists involved in deploying systems at scale utilizing blockchains and distributed ledger technology
- Anyone aspiring towards a career that will benefit from knowledge of blockchain technology

## Get Practical Tips & Strategies in areas including:

### **Module One: Fundamentals of Blockchains, Smart Contracts & the Law**

Get a solid grounding in the legal structure and fundamental principles that are essential foundations for any business or legal professional involved in this rapidly evolving area.

### **Module Two: Cryptocurrency & Smart Contracts: Understanding the Challenges & Legal Issues**

Learn the foundations of cryptocurrencies and explore their economic implications. Technical and economic experts will provide a solid grounding of core concepts, an overview of the legal landscape and highlight the broad range of legal issues raised by various applications of this technology and the legal and regulatory responses to date. You will have the opportunity to apply what you have learned during an expert-led, practical workshop on how to build a smart legal contract using Accord.

**PLUS! Learn beyond the classroom with Online Primers + Textbook:** Enrich your understanding of core principles in blockchains, smart contracts and the law including IP for blockchain and the role of equality, diversity and inclusion (EDI).

All participants will receive PDF copy of ***A Practical Guide to Smart Contracts & Blockchain Law***, by Aaron Grinhaus (LexisNexis: 2019), the world's first legal textbook on the subject matter, and selected readings (strongly recommended) will greatly enhance your learning and comprehension throughout the program.

# Drawing on the expertise and experience of leading thinkers, lawyers, developers and executives, including:

## Program Directors



**Aaron Grinhaus**

Grinhaus Law Firm

Aaron Grinhaus LLB, JD, LLM (Tax) is an experienced business and tax lawyer, author and consultant who has developed a niche expertise in the use of Fintech strategies, including the use of blockchain technology, smart contracts and cryptocurrency. His law firm is a full-service boutique firm located in Toronto, and was one of the first firms in Canada to publicly advise on the practical uses of blockchain and distributed ledger technology, and frequently advises on crypto tax and securities issues. Aaron is also the author of the textbook: *A Practical Guide to Smart Contracts & Blockchain Law* (LexisNexis: 2019), the world's first legal textbook on the subject.



**Amy ter Haar**

Global Blockchain Consultants

Amy ter Haar is a lawyer and entrepreneur focused on the legal and business aspects of emerging technologies. She is the founder of Global Blockchain Consultants, which helps selected clients bring emergent and innovative solutions to market. Amy's passion is connecting people, projects and possibilities. She is an associate at the Creative Destruction Lab, sits on the advisory committee for Globalive Technology Partners, develops curriculum for Osgoode Professional Development and is a doctoral student at Western University.

## Advisory Board

**Ana Badour**

Partner, McCarthy Tétrault

**Addison Cameron-Huff**

Blockchain Lawyer, and Co-Founder,  
Toronto Blockchain Week

**Peter Hunn**

Accord Project Founder, and Founder,  
Clause.io

**Peter Todd**

Applied Cryptography Consultant

Register today at:

[osgoodepd.ca/  
blockchainlaw](https://osgoodepd.ca/blockchainlaw)

## Program Faculty

**Bram Abramson**, Technology Counsel, Independent

**Ana Badour**, McCarthy Tétrault LLP

**Ethan Buchman**, Technical Director, Interchain  
Foundation, and Chief, CoinCulture Cryptoconsulting

**Thomas Borrell**, Chief Product Officer, Polymath

**Addison Cameron-Huff**, Blockchain Lawyer, and Co-  
Founder, Toronto Blockchain Week

**Michael Casey**, CEO and Co-Founder, Streambed Media,  
Author, MIT Educator/Researcher, Speaker, Advisor:  
Economics of Blockchain and Digital Innovation

**Charlene Cieslik**, Chief Anti-Money Laundering Officer  
& Chief Privacy Officer, Coinsquare

**Omar Ha-Redeye**, Principal, Fleet Street Law, and  
Educator, York University - Osgoode Hall Law School,  
Ryerson University and Life Institute

**Paul Horbal**, Bereskin & Parr LLP

**Ian Hu**, Carroll Heyd Chown LLP

**Peter Hunn**, Accord Project Founder,  
and Founder, Clause.io

**Evgeny Koloda**, Senior Manager, Technology Advisory  
Services (TAS), BDO Canada LLP

**Curtis Miles**, Founder, Digital Brilliance Inc., and former  
Blockchain Technical Lead, IBM Canada

**Andreas Park**, Associate Professor, Department of  
Management and the Rotman School of Management,  
University of Toronto

**Laila Paszti**, Norton Rose Fulbright Canada LLP

**Matthew Rappard**, Founder and Chief Technology  
Officer, Three Lefts

**Eric Rowe**, Project Leader – Forensics Informatics  
Services, Criminal Investigations Directorate, Canada  
Revenue Agency

**Toufi Saliba**, CEO, Toda.Network, and President, DAIA  
(the Decentralized AI Alliance)

**Amber D. Scott**, Founder, CEO & Chief AML Ninja,  
Outliers Solutions Inc.

**Chanan Steinhart**, Co-Founder, MoneyClip Inc., and  
Co-Founder, Palo Alto Blockchain Consulting

**Evan Thomas**, Osler, Hoskin & Harcourt LLP

**Peter Todd**, Applied Cryptography Consultant

**Jay Tulsani, CPA, CMA**, Manager, Indirect Tax,  
BDO Canada LLP

**Greg Wolfond**, Founder & CEO, SecureKey Technologies  
Inc.



# Agenda

## NEW! ONLINE PRIMERS

Designed to cover the fundamentals on core concepts, or for those who want a refresher, these succinct Online Primers are available to view on-demand, on your schedule, and are mobile friendly.

- **Real-World Applications of Blockchains & Smart Contracts** (approx. 30 mins)
- **The Importance of Intellectual Property (IP) for Blockchains, Cryptocurrencies & Smart Contracts** (approx. 30 mins)
- **Decrypting the Ethical Issues of Blockchain Technology & the Role of Equality, Diversity and Inclusion (EDI) in Blockchain** (approx. 60mins)

To obtain your Certificate, all Online Primers must be viewed.

## MODULE ONE

### Fundamentals of Blockchains, Smart Contracts & the Law

You'll get a foundational understanding of how blockchain works, and its potential impact on economies, financial structures, law, business and your business strategy. We begin with the history of cryptocurrency, then examine the laws, organizations and governance behind it to build a complete picture of the ecosystem surrounding blockchain technology.

**November 28, 2019**  
**8:45 a.m. – 4:30 p.m.**

#### Context and Concepts

- This is how Bitcoin works
- The historic context that fostered the emergence of blockchain
- The key properties of blockchain technology and its constituent parts
- Current applications of blockchain technology across different industries
- The scale of investment in blockchain technology and the significance of the blockchain industry

## Why Blockchain Stands Out

- Blockchain as a way to synchronize different copies of a database
  - Comparison with traditional databases
  - Limitations
- When should you use blockchain technology

## Types of Distributed Ledger Technologies

- Permissionless, Public, Shared systems.
- Permissioned Public, Shared Systems.
- Permissioned, Private, Shared Systems
- Ethereum – a blockchain based computing platform for decentralized applications
- What are decentralized applications or 'dapps'?
  - The dapps ecosystem – disrupting the disruptors
  - How do dapps raise capital? – 'ICOs' and token trading

**SAVE THE DATE!** Post-Program Networking Event (optional, self-pay)

**November 29, 2019**  
**9:00 a.m. – 5:00 p.m.**

## Regulation – where does the world stand right now?

- Perspectives on cryptocurrency regulation
- Canadian taxation of cryptocurrencies
- Intellectual property and enforcement – who owns the blockchain?
- The Regulatory environment for trading
- Who makes the rules in the blockchain world? Who will exercise sovereignty? What is driving the transformation of global institutions of governance and exchange
- Explore more legal issues in blockchain-privacy, identity, advertising, and marketing

## Cryptography and Blockchains 101 – "Forget Bitcoin, it's all about the blockchain"

- Bitcoin & blockchain: what is the relation?
- Why are blockchains better than traditional technologies?
- Benefits of using blockchains: provenance, consensus, security, high availability, awareness

of breaks in finality and immutability

## Understanding the Benefits of Blockchain for Law, Markets and Banking

- Payments
  - Remittances
  - Cross border payments
- Investment banking
  - Post-trade
  - Derivatives
  - Reporting
- A new landscape for markets and regulatory hurdles
  - Basel 3 and capital restrictions on banking activity
  - KYC, AML, CFT
  - Collateral management and concept of minting explained

## Module One Take-Home Exam for Certificate participants only:

Distributed after Module One, exam requires online completion and a passing grade of 80% due by December 16, 2019.

*“All of the presenters were very knowledgeable and did an excellent job of presenting complex legal and technical issues in a straightforward manner.”*

**Ryan Zahara**

Partner, Blake, Cassels & Graydon LLP

**Register today at:**

[osgoodepd.ca/blockchainlaw](https://osgoodepd.ca/blockchainlaw)

## MODULE TWO

### Cryptocurrency & Smart Contracts: Understanding the Challenges & Legal issues

Module Two dives into cryptocurrencies and explores their economic implications. It provides a theoretical understanding from a technical and economic perspective. You will get an overview of the legal landscape and the broad range of legal issues raised by various applications of this technology and the legal and regulatory responses to date. Putting what you have learned to work, you will be guided through how to build a smart legal contract that 'comes alive' and autonomously manages itself.

**January 20, 2020**

**9:00 a.m. – 4:30 p.m.**

#### Overview of the Legal Issues, Risk and Limiting Factors

- Current (and proposed) legislation, technological costs, internet access, electricity)
- The Regulatory and market environment for trading (private models, exchanges and ETFs)
- Canadian taxation of cryptocurrency
- Initial Coin Offerings (ICOs)
  - Purpose and evolution
  - Structuring (tax considerations, securities laws, commercial law, advertising and marketing)
  - Risks of an ICO
- What is mining and why are incentives important?
- Survey of various jurisdictions – an international perspective
- Recent cases and proposed legislation

#### Initial Coin Offerings: The Good, The Bad & the Dangerous

- Purpose and evolution
- Structuring (tax considerations, securities laws, commercial law, advertising and marketing)
- Risks of an ICO
- Survey of various jurisdictions – an

international perspective

- Recent cases and proposed legislation

#### Cryptocurrency Regulation: Where the World Stands Right Now

- Sovereignty in a Blockchain World
- Who makes the rules in a blockchain world? Who will exercise sovereignty?
- What is driving the transformation of global institutions of governance and exchange?
- What are the implications of these tendencies in the construction of future sovereignties?
- How can (or should) we point to opportunities for technologists to ally with co-operativists in building a decentralized, democratic sovereignty organized through a technological commonwealth

**January 21, 2020**

**9:00 a.m. – 4:30 p.m.**

*Participants must bring a fully-charged tablet or laptop for use during this day.*

#### Deciphering Smart Contracts

- The role of lawyers with regard to smart contracts
- What smart contracts are not and why?
- What is the relationship between smart contract and blockchain?
- Are smart contracts suitable for all situations?
- Why traditional and smart contracts are synergistic technologies
- Introduction to Hyperledger Fabric & Ethereum
- Introduction to The Accord Project
- Ethereum: practical use-cases for smart contracts
- How smart contract coding works
- Why smart contracts can be useful

#### When Worlds Collide – Smart Contracts and the Law

- Implementing legally binding use cases: legal aspects of smart contracts

- How could a smart contract deal with externalities like force majeure?
- How can fairness be built into a smart contract?
- Will smart contracts be able to exclude the courts?

#### Smart Legal Contracts 101 – Theory

Gain valuable knowledge and information on the fundamentals of smart legal contracts in this interactive theory session with world-renowned expert, Peter Hunn. Peter will guide you through the essential components, features and risks of smart legal contracts, including architecture, technical considerations and implementation.

#### Smart Legal Contracts 101 & The Accord Project – Practical

With expert guidance by Peter Hunn, you will have the opportunity to apply the theoretical concepts you learned to begin to build a smart legal contract, in a zero-consequence environment. You will emerge from this intensive session armed with a solid practical understanding of how to build smart legal contracts that will 'come alive' and autonomously manage themselves. You will also learn about additional smart legal contract applications, including Clause.

#### Module Two Take-Home Exam for Certificate Participants Only:

Distributed after Module Two, exam requires online completion and a passing grade of 80% due by February 7, 2020.

All participants will receive a PDF copy of ***A Practical Guide to Smart Contracts & Blockchain Law***, by Aaron Grinhaus (LexisNexis: 2019), the world's first legal textbook on the subject matter, and selected readings (strongly recommended) will greatly enhance your learning and comprehension throughout both modules.

# Registration Details

## Fee per Delegate

**Full Certificate (both Modules One & Two): \$2,495 + HST**

**Module One or Module Two: \$1,495 + HST**

**New Licensee (2016 – current): 50% off regular rate**

**Government Pricing (Full Certificate): \$2,195 + HST**

**Government Pricing (per Module): \$1,196 + HST**

Fees include attendance, program materials, lunch and break refreshments.

Visit [www.osgoodepd.ca/financial-assistance](http://www.osgoodepd.ca/financial-assistance) for details about group discounts, special rates, financial assistance and job-grant funding.

## Program Changes

We will make every effort to present the program as advertised, but it may be necessary to change the date, location, speakers or content with little or no notice. In the event of program cancellation, York University's and Osgoode Hall Law School's liability is limited to reimbursement of paid fees.

## Cancellations and Substitutions

Substitution of registrants is permitted at any time. If you are unable to find a substitute, a full refund is available if a cancellation request is received in writing 21 days prior to the program date. If a cancellation request is made with less than 21 days notice, a \$150 administration fee will apply. No other refund is available.

## For Further Program-Related Information Please Contact:

Alexandra Karacsony, Program Lawyer at 647.999.8796  
or email [akaracsony@osgoode.yorku.ca](mailto:akaracsony@osgoode.yorku.ca)

# Certificate of Program Completion

You will receive a certificate upon completion of **The Osgoode Certificate in Blockchains, Smart Contracts and the Law**. Participants must attend all program modules, view all three Online Primers, and **pass the post-program multiple-choice assessment to receive a certificate.**

# 4 Convenient Ways to Register



Mail



Online



Fax



Call

**Register today at:**

**[osgoodepd.ca/blockchainlaw](http://osgoodepd.ca/blockchainlaw)**



OsgoodePD has been approved as an Accredited Provider of Professionalism Content by the LSO. Eligible CPD

Hours – Full program includes Online Primers add 2h (1h Substantive; 1h EDI) -

LSO (ON): 29h 5m CPD (23h 35m Substantive; 4h 30m Professionalism; 1h EDI)

Module 1: LSO (ON): 13h 45m CPD (12h 45m Substantive; 1h Professionalism)

Module 2: LSO (ON): 13h 20m CPD (9h 50m Substantive; 3h 30m Professionalism)

Online Primers: LSO (ON): 2h CPD (1h Substantive; 1h EDI)

Law Society of British Columbia: 27.0 CPD hours

This program is approved for LAWPRO Risk Management Credit.

OsgoodePD programs may be eligible for CPD/MCLE credits in other Canadian and US jurisdictions. To inquire about credit eligibility, please contact [cpd@osgoode.yorku.ca](mailto:cpd@osgoode.yorku.ca).

*“The overall course was great [and] all of the speakers gave top notch advice, were open to answering detailed questions, and covered a gamut of issues I have been grappling with for some time. The opportunity to network with some of Canada's preeminent experts on this subject was invaluable.”*

**Heather Anne Hubbell**

Head of Governance, Hubbell Associates Limited, and MD Digital Bonds, Salt Exchange

*“Good quality content, knowledgeable speakers and nice depth of subject matter. The instructors were all very knowledgeable and engaging [and] were able to provide a good foundation for the topics. Very good space, convenience and comfortable.”*

**James Mosher**

Office Lead Partner, McInnes Cooper

*“Excellent. [E]clectic and awesome collection of faculty on a rarified topic. The practical always trumps the theoretical.”*

**Peter Dillon**

Partner, Siskinds Law Firm