



BLOCKCHAIN  
RESEARCH  
INSTITUTE

# Research Project Publication List

October 31, 2018



# Table of Contents

---

## Published Research

- Education - pg. 2
- Energy & Resources - pg. 2
- Financial Services - pg. 2
- Government - pg. 3
- Healthcare - pg. 3
- Law & Regulation - pg. 4
- Manufacturing - pg. 4
- Marketing - pg. 5
- Media and Telecom - pg. 5
- Retail - pg. 5
- Technology - pg. 5
- Transportation - pg. 6

## Upcoming Research 2018

- Energy & Resources - pg. 8
- Financial Services - pg. 8
- Government - pg. 9
- Law & Regulation - pg. 9
- Media & Telecom - pg. 10
- Technology - pg. 10
- Transportation - pg. 11



## Published Research

### Education

**Blockchain, Student Identities, and the Next Era of Higher Education – Big Idea Whitepaper**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

### Energy & Resources

**Blockchain for Planetary Stewardship: Part 1/2– Big Idea Whitepaper**

Tom Baumann – Co-Founder, *Collaborase and Xpansiv*

**Blockchain for Planetary Stewardship: Part 2/2– Big Idea Whitepaper**

Tom Baumann – Co-Founder, *Collaborase and Xpansiv*

**Diamonds on the Blockchain – Lighthouse Case Study**

Anthony Williams – Co-Author (with Don Tapscott), *Wikinomics & Macrowikinomics*; Co-Founder DEEP Center

**Agriculture on the Blockchain – Lighthouse Case Study**

Henry Kim – Associate Professor, Schulich School of Business; Co-Director of Blockchain Lab  
Marek Laskowski – Co-Director of Blockchain Lab, York University; Certified Ethereum developer

**Distributed Power: How Blockchain Will Transform Energy Markets – Big Idea Whitepaper**

Lawrence Orsini – Founder, LO3 Energy; Fortune100 Utility Leader; Blockchain Innovator

### Financial Services

**Financing Open Blockchain Ecosystems – Big Idea Whitepaper**

Coalition of Automated Legal Applications (COALA)

**Distributed and Collaborative Marketplaces: Serving the Unbanked – Big Idea Whitepaper**

Rachel W. Robinson – Juris Doctor, MPA, Blockchain & Smart Contracts Author

**Reinventing International Clearing and Settlement – Big Idea Whitepaper**

Bob Tapscott – Information Technology Strategist, Fmr. CIO, blockchain & DLT researcher



**Managing Blockchain Transparency: Strategies for a Private/Open World – Big Idea Whitepaper**

Andreas Park - Associate Professor of Finance, University of Toronto; FinTech Researcher

**The Token Economy: When Money Becomes Programmable – Big Idea Whitepaper**

Michael Casey - Co-Author of *The Age of Cryptocurrency*; Former columnist, *Wall Street Journal*

**Utility Settlement Coin – Lighthouse Case Study**

Massimo Morini – Sr. Advisor, World Bank; Blockchain and Finance Author and Architect

## Government

**Declaration of Interdependence – Big Idea Whitepaper**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

**Rewriting our Social Contract – Big Idea Whitepaper**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

**The Nine Disruptions – Big Idea Whitepaper**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

**Networked Hotbeds of Blockchain: Hubs for the Internet's Second Era – Big Idea Whitepaper**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

Hilary Carter – Director of Research, Blockchain Research Institute

Jill Rundle – Contributing Writer & Editor, Blockchain Research Institute

**Business Licensing: Governance for Government Blockchains – Lighthouse Case Study**

Alan Wunsche – CEO, TokenFunder Inc.; Co-Founder, Blockchain Canada

**Blockchain at our Borders: US Customs Explore Blockchain– Lighthouse Case Study**

Alan Cohn - Counselor and Strategic Advisor on Security, Technology, Innovation, and Government, Steptoe & Johnson; President, ADC Strategy Works

**Halls of Fame and Blockchain: Votem's Blockchain Electoral Solution – Lighthouse Case Study**

Bill Gillies – Author & Communications Consultant

## Healthcare

**Reinventing Healthcare on the Blockchain – Big Idea Whitepaper**

Dr. Axel Schumacher – Co-Founder & CEO, Shivom.io



**Medical and Biopharma Research: Managing Genetic and Health Data– Lighthouse Case Study**

Michael Scott – Blockchain Technology & Digital Economy Writer

## Law & Regulation

**Regulation: The Lion, the Unicorn, and the Crown – Big Idea Whitepaper**

Joel Telpner – Corporate and finance partner, Head of fintech and blockchain practice group, Sullivan & Worcester LLP; ICO panel discussion facilitator, WEF (Jan. 2018)

**Regulatory Framework For Token Sales – Big Idea Whitepaper**

Coalition of Automated Legal Applications (COALA)

**Patents and the Blockchain: Opportunities, Limitations and Pitfalls – Big Idea Whitepaper**

Thomas M. Isaacson – Shareholder, Polsinelli; Innovator; Former in-house Counsel on IP and Patents

**Governance of Decentralized Networks – Big Idea Whitepaper**

Coalition of Automated Legal Applications (COALA)

## Manufacturing

**Blockchain, the Emerging Platform for Manufacturing 4.0 – Big Idea Whitepaper**

Dr. Stefan Hopf – Senior Consultant, the Nunatak Group; Blockchain technology researcher

**Introducing Asset Chains: Blockchain and the Future of Supply Chains – Big Idea Whitepaper**

Tom Serres - Co-Founder and Managing Partner, Animal Ventures; Host “Tech on Politics” & Bettina Warburg - Co-Founder and Managing Partner, Animal Ventures; Host “Tech on Politics”

**Foxconn 4.0: Handling the World’s Most Complicated Supply Chain – Lighthouse Case Study**

Nolan Bauerle – Director of Research, CoinDesk

**Additive Manufacturing and Blockchain: Moog Creating Efficient Global Supply Chains – Lighthouse Case Study**

Vineet Narula - MIT Sloan Fellow; Ridesharing and Healthcare Strategy Leader & Prema Shrikrishna – MBA graduate from MIT Sloan; Blockchain Enthusiast, Sustainable Business Champion



## Marketing

### **Blockchain and the CMO: The Next Era of Marketing – Big Idea Whitepaper**

Jeremy Epstein – CEO, Never Stop Marketing; Former VP Marketing, Sprinklr; Contributor, VentureBeat

### **Social Media on the Blockchain: The AKASHA Project – Lighthouse Case Study**

Hilary Carter – Director of Research, Blockchain Research Institute

## Media & Telecom

### **How Blockchain Is Transforming the Creative Industries – Big Idea Whitepaper**

Marcus O’Dair – Convenor, Blockchain Creative; Senior lecturer in Popular Music, University of Middlesex; Biographer

### **Distributed Connectivity: Blockchain & the Telecom Industry – Big Idea Whitepaper**

Christian Keil - Former Telecom Consultant, Deloitte; Member, Blockchain at Berkeley

## Retail

### **The Future of Retail Payments: How Merchants are Adapting to Crypto – Lighthouse Case Study**

Abhishek Punia, Blockchain at Berkeley

### **Food Traceability on Blockchain: Walmart’s Pilots with IBM – Lighthouse Case Study**

Reshma Kamath –Juris Doctor, Northwestern University Pritzker School of Law

## Technology

### **Blockchain and the Chief Human Resources Officer – Big Idea Whitepaper**

Andy Spence – Founder, Glass Bead Consulting; Professional Member, Centre for Evidence Based Management

### **Blockchain and the Global CIO – Big Idea Whitepaper**

Oliver Bussmann – Founder and Managing Partner, Bussmann Advisory; Former Group CIO, UBS; Named ‘CTO of the Year’ by *The Wall Street Journal*

### **Framework for Blockchain Adoption: What CEOs Should Know – Big Idea Whitepaper**

Irving Wladawsky-Berger – Fellow, MIT Initiative on the Digital Economy; Adjunct Professor, Imperial College Business School; Columnist, Wall Street Journal’s CIO Journal; Former IBM Senior Strategist



**Standardized and Decentralized: Rethinking the Blockchain Stack – Big Idea Whitepaper**

Christian Keil - Former Telecom Consultant, Deloitte; Member, Blockchain at Berkeley

**The Convergence of Big Data and Blockchain – Big Idea Whitepaper**

Mark van Rijmenam – Founder, Dataflog; Author, Researcher, and Speaker

**Winning Strategies for Smart Contracts – Big Idea Whitepaper**

Nick Szabo – Blockchain, cryptocurrency, and smart contracts pioneer

**Quantum-Proofing the Blockchain – Big Idea Whitepaper**

Michele Mosca – Co-Founder, Institute for Quantum Computing & CEO, evolutionQ

**The Ledger of Every Thing: Blockchain Technology and the IoT – Big Idea Whitepaper**

Dom Guinard - Co-Founder & CTO at EVRYTHNG and webofthings.org

**Slock.it: Enabling IoT and the Universal Sharing Network– Lighthouse Case Study**

Alan Majer – Founder of Good Robot; Former Executive Analyst of nGenera

## Transportation

**Blockchain takes Off: Distributed Ledgers are Transforming Airlines – Big Idea Whitepaper**

Chami Akmeemana – Director, ConsenSys; Founder, Blockchain Association of Australia

**The Future of Travel: How Winding Tree is Transforming its Business – Lighthouse Case Study**

Mayank Singhal – Blockchain Researcher

**Belt and Road Blockchain Consortium: Trade Finance from Hong Kong to Rotterdam – Lighthouse Case Study**

Vineet Narula - MIT Sloan Fellow; Ridesharing and Healthcare Strategy Leader &  
Prema Shrikrishna – MBA graduate from MIT Sloan; Blockchain Enthusiast, Sustainable Business Champion



## Upcoming Research 2018 & 2019

\* Please note, all publication dates are estimates only and are subject to change without notice.  
Contact Hilary Carter, Director of Research, at [Hilary@tapscott.com](mailto:Hilary@tapscott.com) with any questions.

### Energy & Resources

#### **Blockchain and Real Estate: An Indian State Uses Blockchain in Land Registry**

Anthony Williams – Co-Author (with Don Tapscott), *Wikinomics & Macrowikinomics*; Co-Founder DEEP Center

#### **Blockchain and the Gold Industry**

Chloe Desmonet – Head of Sales and Marketing, MKS; Blockchain Researcher

#### **Dubai: A Smart City on the Blockchain**

Alastair Marke – Secretary General, Blockchain Climate Institute

### Financial Services

#### **Digital Exchanges, Capital Markets & the Blockchain**

Chase Smith – Research Associate, Blockchain at Berkeley

#### **Transforming Commercial Banking**

Jennifer Han – Blockchain at Berkeley

#### **Blockchain and the CFO: Triple Entry Accounting and Corporate Finances**

Iliana Oris-Valiente – Blockchain Lead, Accenture; Founder, Collider-X

#### **Blockchain: A Life Insurance Use-Case**

Bob Tapscott – Information Technology Strategist, Former CIO, blockchain & DLT researcher

#### **Blockchain: A Property Insurance Use-Case**

Bob Tapscott - Information Technology Strategist, Former CIO, blockchain & DLT researcher

#### **Trade Finance and the Blockchain**

Soumak Chatterjee – Senior Manager, Deloitte Canada





**The Blockchain Actuary: New Models of Commercial Insurance**

Dr. Henry Kim – Associate Professor, Schulich School of Business; Co-Director of Blockchain Lab

**Derivatives on the Blockchain – A Structured Products Case**

TBA

## Government

**Blockchain and Government Expense Management**

Anthony Williams – Co-Author (with Don Tapscott), *Wikinomics & Macrowikinomics*; Co-Founder DEEP Center

**CIPO: A Governance Model for Copyright Registration on the Blockchain**

Davide Cargnello – VP Public Governance & Research, Institute on Governance  
Matt Jackson – Director, Institute on Governance

**Reinventing Government: Reducing Costs, Improving Services, Stewarding Assets**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute & Tony Scott –Former CIO, United States Federal Government

## Law & Regulation

**Canadian Food Inspection Agency: Regulating Canada’s Food on the Blockchain**

Alan Majer – Founder of Good Robot; Former Executive Analyst of nGenera

**Blockchain and the CLO: Chief Legal Officer and Chief Legal Counsel**

Usman Sheikh – Partner & National Litigation Lead: Securities, Compliance, Investigations, Gowling WLG

**State-Backed Digital Currencies**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute & Soumak Chatterjee – Senior Manager, Deloitte Canada

**Principles of Blockchain Regulation**

TBA

**Listing a Blockchain Company**

Usman Sheikh – Partner & National Litigation Lead: Securities, Compliance, Investigations, Gowling WLG



## Media & Telecom

### **Can Blockchain Save the Internet?**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute  
Christian Keil – Former Telecom Consultant, Deloitte; Member, Blockchain at Berkeley

### **KODAKone: Changing the Still Image Marketplace on the Blockchain**

Rob Klein – Author, KODAKone white paper, Consultant, ICOx Innovation

## Technology

### **Austin, Texas: Empowering Local Merchants on the Blockchain**

Lasse Bundgaard – Copenhagen Solutions Lab & Copenhagen Business School

### **Blockchain and Project Management**

Ricardo Vargas, Edivandro Conforto – Brightline Inc.

### **Blockchain and Strategy Execution**

Ricardo Vargas, Edivandro Conforto, Brightline Initiative; & Kirsten Sandberg, Blockchain Research Institute

### **Rethinking Identity for the Blockchain World**

Coalition of Automated Legal Applications (COALA)

### **Blockchain and AI**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

### **Sweetbridge: A New Trade Finance and Supply Chain Infrastructure**

Don Tapscott – Co-Author, *Blockchain Revolution*; Co-Founder, Blockchain Research Institute

## Transportation

### **Transportation and Autonomous Vehicles on the Blockchain**

Tommy Gardner PhD, PE – CTO, HP Federal; Former CTO, Jacobs; Industry Advisor, ASME  
David Mirynech – Director of Research, MLG Blockchain



**Ride Sharing on the Blockchain: EVA Cooperative Leverages the EOS Platform**

Vineet Narula - MIT Sloan Fellow; Ridesharing and Healthcare Strategy Leader