# Cryptoeconomics, Tokenomics, and the Economics of Blockchain (Mini-Course)

A USC Viterbi Center for Cyber-Physical Systems and the Internet of Things & Prysm Group Collaboration

November 5, 7 & 8, 2018 6:00-8:00pm PST

I. Introduction to Blockchain, Platform Design, and Incentives

- a. Introduction to Microeconomic Incentives
- b. Contract Theory
- c. Market Design
- II. Platform Design and Incentives II
  - a. Reputation Systems
  - b. Governance / Social Choice Theory
- III. Token Design and Ecosystem Issues
  - a. Token Economics
  - b. Ecosystem Economics
  - c. Implications for Business

## PR SM USC Viterbi

School of Engineering Center for Cyber-Physical Systems and the Internet of Thinos

WHEN

**OUTLINE** 

**INSTRUCTORS** 

#### Dr. Cathy Barrera

Dr. Barrera is a Founding Economist of Prysm Group, lead contributor to the MIT Cryptoeconomics Lab and the Cryptoeconomics Industry Expert for MIT Sloan Executive Education's "Blockchain Technologies: Business Innovation and Application" course. She holds an MSc in Applied Math from the London School of Economics and a PhD in Business Economics from Harvard University.

### Dr. Stephanie Hurder

Dr. Hurder is a Founding Economist of Prysm Group. She is a contributor to the MIT Cryptoeconomics Lab and a frequent keynote speaker at blockchain industry events, including presentations at the Federal Reserve and UC Berkeley. She holds an AB in Mathematics Phi Beta Kappa, an AM in Economics, and a PhD in Economics from Harvard University.

#### Dr. Bhaskar Krishnamachari

Dr. Krishnamachari is Professor and Ming Hsieh Faculty Fellow in Electrical Engineering at USC Viterbi. He is the Director of USC Viterbi Center for Cyber-Physical Systems and Internet of Things and involved with Blockchain research and teaching at USC. Dr. Krishnamachari received his B.E. in Electrical Engineering from The Cooper Union and his M.S. and Ph.D. in Electrical Engineering from Cornell University.

**USC Viterbi School of Engineering** 

3740 McClintock Avenue | Los Angeles, CA 90089

WHERE

