Blockchain: Transforming the Future of Global Business

We are on the verge of a massive, global change, much like the early days of the Internet. Blockchain technology, extremely secure distributed ledgers, will soon displace legacy databases and their bloated infrastructure in dozens of industries from Wall Street to supply chain management. Secure, running records of verified transactions get chained together and replicated in nodes across Blockchain networks. Blockchains will speed up the global economy by allowing companies to complete global transactions faster across borders while guaranteeing data integrity.

Physical, legal, and financial transactions are tied together in a Blockchain, a series of transactions recorded in a distributed ledger without the need for a centralized authority. The economic impact is enormous; Blockchains will account for trillions of dollars in transactions across key industries including healthcare, insurance, real estate, government, banking, and financial markets by 2020.

Is Blockchain all that it is cracked up to be? What companies stand to lose the most from Blockchain adoption? Will Blockchain save businesses and consumers save billions of dollars by reducing losses from theft and fraud?
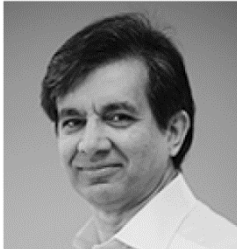
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the event:
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to the panel:
650.308.8522**

Naveed Sherwani | President & CEO, PeerNova

Dr. Sherwani brings over 25 years of experience in entrepreneurship, technical engineering and general management. Dr. Sherwani has founded and co-founded nine companies in systems, software, and services. His recent focus has been on enterprise software, data analytics, and blockchain technologies. Prior to PeerNova, Dr. Sherwani co-founded OpenSilicon, a leading provider of ASIC and system solutions. As the founder and General Manager of Intel Microelectronics Services, he pioneered Open methodology for EDA.
He also founded Brite Semi, a leading solution provider in China/APAC.

He has served on the boards of various companies, including Touchstone Inc., and Integration Associates. Dr. Sherwani is a noted author having authored several books and over 100 articles on various aspects of algorithms, parallel computing, and EDA. In particular, he wrote the leading textbook on algorithms for chip-design automation, which is currently used in universities worldwide. Dr. Sherwani served as a Professor at Western Michigan University, where his research focused on algorithms, EDA, Combinatorics, and parallel computing. He received his Ph.D. from the University of Nebraska-Lincoln.

PEER NOVA

PANELISTS

David Aho | Co-Founder, Chronicled

David is Member of the Board and investor in Chronicled. He is a Co-founder of the company alongside Ryan Orr, CEO, Maurizio Greco, CTO and Samantha Radocchia, CPO. Chronicled is building a blockchain-based open registry for luxury goods and collectibles, initially launching in the $1bn aftermarket for limited edition sneakers.

David is a partner with Colbeck, a private equity firm.

He is responsible for overseeing the day-to-day activities of the investment team and supports the Managing Partners in constructing investment and portfolio management strategies.

David graduated *cum laude* with a Bachelor of Arts from the University of Pennsylvania, where he earned a dual-major in Economics and International Relations. Mr. Aho is a Chartered Financial Analyst.

CHRONICLED

Zaki Manian | Founder, Skuchain

Zaki Manian is a founder of Skuchain. For the past 3 years, Zaki has focused on the business applications of cryptography. Before Skuchain, Zaki was building instrumentation systems for a variety of life science applications.

Zaki has both deep and broad expertise in software engineering from firmware to applied cryptography.

Zaki is also a well known privacy rights activist who advocates for applications of cryptography to preserve essential human rights at a local, nstional and international level.

skuchain

John Wolpert | Global Blockchain Offering Director, IBM

John Wolpert is IBM's block chain offering director, with responsibility for engineering, products and open source initiatives. Prior to that, John was head of products for IBM's Watson Ecosystem.
John is a three-time entrepreneur and founder of the popular taxi service, Flywheel.

He has created new lines of business for several Fortune 100 companies, ran an international consortium of research labs, and has been an IBMer three times — in the past running the ground-breaking alphaWorks organization and the Extreme Blue incubator lab.

IBM

W. Bradford Stephens | Co-Founder & Managing Partner, Blockchain Capital

Brad Stephens is a Founder and Managing Partner of Blockchain Capital, the General Partner of Crypto Currency Partners funds.
Brad has also been a Managing Partner of Stephens Investment Management, which he co-founded in 2002. His diverse background in domestic and international finance includes sell-side securities analysis, hedge fund management, venture capital and family office management. Prior to co-founding SIM, Brad worked as

the senior analyst at Fidelity Ventures, the venture capital arm of Fidelity Investments. At Fidelity, Brad focused on the areas of Internet Security and New Media, leading investments into e-Security, Sanctum and Managed Objects. He also founded Fidelity's Biometric Consortium, a cutting edge collaboration of all Fidelity's business units designed to explore, pilot and implement biometric security systems within Fidelity and eventually its consumer clients.

BLOCKCHAIN CAPITAL

DEMO COMPANIES : Hedgy, Tendermint, Blockseer, Maniford Technology, Ledger, BitSE, Skuchain

EVENT TEAM

Event Co-Chairs | Michael Mansour, Dana Kismatova
Event Team | Hoaithi Dang, Stefano Foresti, Tyler Kemp, Shira Lee, Fred Stein

Blockchain the next Revolution

First, there were the mainframe and PC paradigms, and then the Internet revolutionized everything. Mobile and social networking was the most recent paradigm. The current emerging paradigm for this decade could be the connected world of computing relying on blockchain cryptography.

Melanie Swan
— Author of O'Reilly manual on Blockchain

What is Blockchain?

Blockchain is a protocol for making transactions.

The *Permissioned* Ledger

The implementation of Blockchain that is making it easier to create cost-efficient business networks is the *permissioned* ledger.
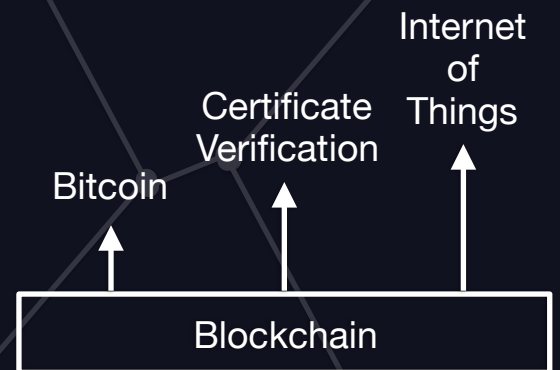
The *permissioned* ledger has the following attributes:

Immutability

Permissioned Sharing

Audibility

Decentralized Consensus

Provenance

Replicated

Bitcoin <u>uses</u> Blockchain

One of the best known uses of the Blockchain Protocol is in the implementation of Bitcoin.

Businesses have discovered that Blockchain can support innovations in other sectors.

Internet of Things

Certificate Verification

Bitcoin

Blockchain

Packaged System

Blockchain unifies 3 key parts of transactions

$ Financial

Legal

Physical

Investment

93 Million
invested between 2009-2013

993 Million
invested between 2014-2016 YTD

Rewriting DNA: Big Returns from Gene Editing

Imagine cutting and pasting genes in DNA, just like editing words in a document on a computer. CRISPR-Cas9 technology does just that, making it possible to replace genetic material with a simpler, cheaper, more precise method than ever before. Dubbed "the biggest biotech discovery of the century" supporters of CRISPR call out benefits such as potential cures for diseases like cancer, malaria, and cystic fibrosis; increased crop yields; and correcting genetic defects. Opponents raise ethical concerns citing the law of unintended consequences, designer babies, and interspecies organ transplants.

With the market for gene editing expected to reach $3.5 billion by 2019, the stakes for companies, scientists, and entrepreneurs are high. with battles already being waged over patents. Will the winner take all? Can CRISPR eradicate viruses like AIDS and Zika? Can science truly control genetics? **Join us for this event on April 19, 2016**.

A Fireside Chat with Ann Winblad :

Disruptive Business Models in Enterprise Software

The success of a new venture is often determined by the level of disruption it brings to the market. What is being disrupted? How is that disruption making an impact? Is the disruption truly innovative? Success in the competitive world of enterprise software requires innovation in both the business model and the technology.

Whether you are a founder of a company or are just thinking about starting a company, **join us on Thursday, April 14**, for an evening with Ann Winblad, Founding Partner of Hummer Winblad Ventures. Hear from the pioneer of early-stage enterprise software investing to gain important insights for building a successful company.

About VLAB : MIT Enterprise Forum Bay Area

VLAB (www.vlab.org) is the San Francisco Bay Area Chapter of the MIT Enterprise Forum, a volunteer-run non-profit dedicated to promoting the growth and success of high-tech entrepreneurial ventures.

We host the largest ongoing gathering of Silicon Valley entrepreneurs, venture capitalists and thought leaders at our monthly forums in the Stanford Graduate School of Business. With a community of over 25,000+ Bay Area influencers, VLAB identifies technologies, ideas and people that will catalyze a disruption and transform existing industries. The caliber of presenting companies and panelists at our events has earned VLAB the reputation as one of the premier high-tech forums in Silicon Valley.

Founded in 1990 by the MIT Enterprise Forum and the Alumni Association of the Stanford Graduate School of Business, VLAB is part of an international organization with 27 chapters throughout the U.S., Canada, Europe and Asia. To connect with the VLAB Executive Committee, please contact exec@vlab.org.

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