



**100 women in
hedge funds®**

**Education Session No. 628:
Bitcoin 101 and the CME Ventures: Investing in Tech Start-ups in the Financial Industry**

April 19, 2016 at 5:15 PM
Chicago, IL

By this time, we all recognize Bitcoin as a virtual currency. We may also know that Bitcoin uses a highly imaginative ledger system known as blockchain. But how does Bitcoin work and what makes blockchain so special? In the first half of our program, Bitcoin 101, we'll explore the how, why and what of Bitcoin and blockchain.

In the second half, we'll learn about a CME Group subsidiary that invests directly in tech companies whose products may impact the financial industry. We'll hear about trends in financial technology, venture capital investment in the financial space and corporate innovation in general.

Join us for an evening where our speakers go behind the headlines to explain the changes overtaking the financial markets.

Participants

Rumi Morales, CME Ventures
Sandra Ro, CME Group
Pat Gillman, *Moderator*, Law Office of Patricia N. Gillman

Event Details

Date: April 19, 2016

Time: 5 PM Registration.

We will begin *promptly* at 5:15 PM; please arrive early. Since it is disruptive to everyone when latecomers enter the session, those arriving after an education session has begun will only be admitted at the discretion of 100WHF and the host. Please note the start time on this invite and plan to arrive early.

Networking and canapés will follow.

Hosts: Nuveen Investments and CME Group

Location: CME Group

20 S Wacker Drive, the Auditorium, Upper Lobby Level, **Chicago**, IL 60606 - [Directions](#)

RSVP: [RSVP Now](#)

If you have any questions about this event, please contact the [Chicago](#) committee.

This event is NOT FOR ATTRIBUTION. All 100WHF events are private events and we require that no one reports publicly on any aspect of them.

Admission is free, but there is a \$25 charge if you register and do not attend, even if you cancel in advance. No-show proceeds will be donated to the beneficiary of 100WHF's most recent US philanthropic initiatives.

If you have no-show fees in arrears, the system cannot register you for an event. You can view and pay for any outstanding no-show fees online from your [Member Profile](#)

Space is limited. No walk-ins will be permitted.

Biographies

Rumi Morales, Executive Director, CME Ventures

Rumi Morales serves as Executive Director of CME Ventures, a wholly-owned subsidiary of CME Group that makes minority stake investments in early stage technology companies whose innovative products and services may impact the financial services industry in the longer term. Previously, she served as Executive Director, International Corporate Development and Finance, where she sourced, structured and negotiated international business development opportunities with other global exchanges, focused on technology and product and services collaboration. Before joining CME Group, Morales spent several years at Goldman Sachs, last serving as head of the Asia arm of the Goldman Sachs Global Markets Institute based in Hong Kong. At Goldman Sachs, she also was an executive on the fixed income, currency and commodities sales desk in New York and served in the Office of the Chairman.

Prior to Goldman Sachs, Morales was a Principal at private investment firms in New York, London and Kuala Lumpur, where she executed direct equity and portfolio investments across three continents. She graduated magna cum laude from Wellesley College, where she was elected to Phi Beta Kappa, and received her MBA from the New York University Stern School of Business. She is a founder and board member of CME Group's Women's Initiative Network.

Sandra Ro, Executive Director, Group Digitalization Lead, CME Group

Sandra Ro is Executive Director, Group Digitization Lead at CME Group. She is responsible for leading efforts around nascent digital technologies like blockchain and cryptocurrencies for CME Group. Formerly, she was the Global Head of Foreign Exchange (FX) and Metals Research and Product Development at CME Group based in London. She was responsible for the development of FX and precious, base, ferrous metals solutions within listed and cleared OTC products, as well as CME Europe, a new London exchange, launched in April 2014.

Ro brings her client advisory, structuring and trade execution experience in OTC FX forwards, options, and exotic structures to CME Group. Prior to joining CME Group in 2011, Ro led the EMEA FX and interest rates mergers & acquisitions advisory group in connection with hedging derivatives in large cross border transactions, as well as in IPOs, bond issuances, and special situations at Morgan Stanley London.

Before that, Ro worked at Deutsche Bank as a FX structurer on the London trading floor, providing hedging solutions for corporates as well as REITs and private equity clients.

Currently, Ro sits on the Board of the Yale Alumni Fund (YAF), elected to the Executive Committee for 2015-2016, and the Leadership Giving Committee. In addition, she sits on the Policy Committee of the Foreign Exchange Professional Association (FXPA), the RMB USA Working Group created by Michael Bloomberg - Operating Models subcommittee, is a core founding member of the Post Distributed Ledger (PTDL) and co-Lead of the Regulatory Working Group, FIX Protocol Digital Currency and Blockchain Working Group, and several other industry groups.

Ro holds a M.B.A. in Finance from London Business School and a double B.A. Degree in History and Studies in the Environment from Yale University. Her senior thesis was on the Proliferation of Chemical and Biological Weaponry in the 20th century.

Pat Gillman, Law Office of Patricia N. Gillman

Pat Gillman has spent most of her legal career in the alternative investment industry, first with the Commodity Futures Trading Commission, then in private practice followed by serving as US Counsel to a London-based hedge fund and now as an industry consultant. Her clients have included hedge funds, registered investment advisors, commodity pool operators and commodity trading advisors. She has spoken widely on industry topics, including making multiple presentations to the China Securities Regulatory Commission, the Shanghai Futures Exchange, the Dalian Futures Exchange and the China Financial Futures Exchange on the operation of the US futures markets. She is also an experienced member of advisory committees to registered investment advisors and commodity pool operators.

Gillman is Treasurer of the Smith College Alumnae Association, an organization with 48,000 members, and serves on the Investment Committee to the college's endowment. She is also a member of the Investment Advisory Council to the Jewish United Fund of Chicago endowment and a long-time board member of a Chicago charity, the Jewish Child and Family Services.

Currently, she is focused on encouraging more young woman to consider a quantitative career with a hedge fund or proprietary trading firm. To this end, she is working with Smith and other women's colleges and like-minded organizations, including 100 Women in Hedge Funds.

Gillman received her BA, Cum Laude, from Smith College, an MA from the University of Pennsylvania and a JD from the Georgetown University Law Center.



About Nuveen Investments

Nuveen Investments is guided by a deep commitment to securing lasting value for investors and the financial advisors who serve them. Since 1898, the firm has been a steadfast presence in rapidly changing markets, emerging as a leading provider of mutual funds, closed-end funds and separately managed accounts. Today, Nuveen Investments delivers excellence across every major asset class, drawing upon the focused expertise of independent investment affiliates with premier institutional reputations. As an operating division of TIAA Global Asset Management, Nuveen also distributes TIAA-CREF funds in retail channels. Nuveen Investments manages more than \$225 billion in assets as of December 31, 2015.



About CME Group

As the world's leading and most diverse derivatives marketplace, CME Group (www.cmegroup.com) is where the world comes to manage risk, offering the widest range of global benchmark products across all major asset classes. We bring buyers and sellers together through its CME Globex® electronic trading platform, its trading facilities in New York and Chicago, and through its London-based CME Europe derivatives exchange. CME Clearing and CME Clearing Europe, industry-leading central counterparty clearing providers, offer clearing and settlement services for exchange-traded and over-the-counter derivatives.

About 100 Women in Hedge Funds (www.100womeninhedgefunds.org)

100 Women in Hedge Funds is a global, practitioner-driven non-profit organization serving over 13,000 alternative investment management investors and professionals in 20 locations through educational, professional leverage and philanthropic initiatives. Formed in 2001, 100 Women in Hedge Funds has hosted over 500 industry education events globally, connected more than 350 senior women through Peer Advisory Groups and raised over \$38 million for philanthropic causes in the areas of women's and family health, education and mentoring.