

THE WFE'S TECHNOLOGY CONFERENCE 2019

30 June - 2 July 2019
Umeå, Sweden



Sunday 30th June

18:00 – 20:30

Welcome Reception – Sponsored by Nasdaq

Venue: Bildmuseet, Umeå Arts Campus

Monday 1 July

9:00 – 10:00

Registration

10:00 – 10:15

Welcome Address

Venue: Aula Biologica, Umeå University Campus

Nandini Sukumar, Chief Executive Officer, The World Federation of Exchanges

Hans Adolfsson, Vice-Chancellor, Umeå University

Dr. Urs Rügsegger, Chairman, SIX Swiss Exchange, and WFE Chairman

10:15 – 11:00

Session 1

The Big Idea: Perspectives on the Future

Presentations from Umeå University academics on the big themes of the future

Siobhan Cleary, Head of Research and Public Policy, The World Federation of Exchanges

Johan Sandberg, Associate Professor, Swedish Center for Digital Innovation at the Department of Informatics, Umeå University

Glenn Sandström, Docent in Historical Demography, Umeå University

Jörgen Hellström, Professor of Finance, Umeå School of Business, Economics, and Statistics, Umeå University

11:00 – 12:00
Session 2

A Human's Guide to Machine Intelligence

Virginia Dignum, Professor of Social and Ethical Artificial Intelligence, Umeå University

12:00 – 13:00
Session 3

Decentralised Financial Market Infrastructures - Raymond Kahn (Archon Advisors LLC) in conversation with Dr. Pinar Emirdag (State Street) and Sara Feenan (Clearmatics)

What does technology-enabled business model innovation for financial markets really look like? Is there a potential new paradigm that will emerge if we unpack the roles of financial market infrastructures, new peer-to-peer technologies, and digital capital markets?

Dr. Pinar Emirdag, Senior Vice President, Head of Digital Product Development and Innovation, State Street

Sara Feenan, Senior Product Strategist, Clearmatics

Raymond Kahn, Founder and Managing Principal, Archon Advisors LLC

13:00- 14:00

Lunch

14:00 – 14:45
Session 4

Blockchain in Practice – The ASX Experience

Dan Chesterman, the CIO of ASX, will provide insights and perspectives gained as ASX seeks to replace the CHES (equity clearing and settlement) platform with a Distributed Ledger Technology-based platform.

Dan Chesterman, Chief Information Officer, Australian Securities Exchange (ASX)

14:45 – 15:30
Session 5

An Afternoon of Blockchain - An Overview of Recent Developments in the World of Blockchain

Blockchain applications extend far beyond the financial services sector, but applications in the financial sphere have been the most extensive to date, with applications in supply chain and identity closing the gap. Today, traditional financial institutions and innovators are redefining the industry's perennial pain points – seeking to speed up and reduce costs of cross-border payments, simplify settlements, provide new frameworks for asset ownership, and more. In this session, we will explore how blockchain is changing the way we do business and creating more secure, efficient, and equitable economies for consumers around the world.

Sandra Ro, Chief Executive Officer, Global Blockchain Business Council (GBBC)

15:30 – 16:30

An Afternoon of Blockchain - Blockchain in Practice

Session 6

Over the last decade, the blockchain ecosystem has evolved from a single Blockchain to a vast network of permissioned, public, and hybrid blockchains. While the utility of public versus permissioned chains has been widely debated, many corporates have embraced and built private and hybrid chains catering to their specific needs.

On this panel, we will hear from companies from around the globe, building blockchains for business and consumers to understand how they are using the technology to improve processes across industries and geographies. We'll also discuss how the ecosystem has evolved to encompass permissioned, public, and hybrid blockchains and what these varied solutions really offer.

Sandra Ro, Chief Executive Officer, Global Blockchain Business Council (GBBC)

Makoto Takemiya, Co-founder and Chief Executive Officer, Soramitsu

Marina Khaustova, CEO, Crystal Blockchain, B.V., Bitfury Group

18:30 – 22:00

Gala Dinner at Lake Kassjö– Sponsored by Exactpro

Nandini Sukumar, Chief Executive Officer, The World Federation of Exchanges

Iosif Itkin, Co-founder and Chief Executive Officer, Exactpro

Tuesday 2nd July

08:15 – 09:00

Registration:

Venue: Aula Biologica, Umeå University Campus

09:00 – 10:00

Session 7

The Technological Future for Exchanges and CCPs - **Bruce W. Weber (University of Delaware)** in conversation with **Brad Peterson (Nasdaq)** and **David Saul (State Street Corporation)**

Brad Peterson, Executive Vice President and Chief Technology and Chief Information Officer, Nasdaq

Bruce W. Weber, Dean of the Lerner College of Business and Economics, University of Delaware

David Saul, Senior Vice President and Chief Scientist, State Street Corporation

10:00 – 11:15

Session 8

Exchanges and a World of All Things Crypto

WFE member exchanges and CCPs discuss the market structure they are building around crypto-currencies, crypto-assets, and tokens.

Dr. Urs Rügsegger, Chairman, SIX Swiss Exchange, and WFE Chairman

Artem Korenyuk, Executive Director of Business Innovation and FinTech Strategy, The Depository Trust & Clearing Corporation (DTCC)
Simon Zammit, Chief Executive Officer, Malta Stock Exchange
Rupertus Rothenhäuser, Head of Sales, SIX Digital Exchange

11:15 – 11:30

Break

11:30 – 12:30

Session 9

Emerging Technology & Emerging Risk - New Cyber Frontiers in New Markets

As technology continues to change the nature of markets, the nature of cyber resilience changes too. The WFE's Cyber Security Working Group, a group of CISOs at market infrastructures around the world, form part of the frontline in the war. The session focuses on emerging risks and how to ensure resilience.

Mark Morrison, Senior Vice President and Chief Information Security Officer, The Options Clearing Corporation (OCC)

Shiv Kumar Bhasin, Chief Technology and Operations Officer, National Stock Exchange of India (NSE)

Thomas Koch, Chief Security Officer / Head Corporate Security, SIX Group Services Ltd

12:30 – 13:30

Session 10

Emerging Technology & Emerging Risk - New Frontiers in New Markets - The Practitioner Perspective

Steve Luparello, General Counsel, Citadel Securities

Brian Clark, Founder and Chief Executive Officer, Ascent RegTech

13:30 – 14:30

Lunch

14:30 – 15:30

Session 11

Emerging Technology & Emerging Risk - Regulatory Approaches to New Technologies

As fintech, DLT, blockchain and crypto platforms have promised a revolution, securities market regulators and central banks have taken a thoughtful approach. The session will focus on a discussion of different regulatory approaches.

Laura Royle, Manager, Innovation Hub, Financial Conduct Authority (FCA)

Michael Gill, Chief of Staff, U.S. Commodity Futures Trading Commission (CFTC)

15:30 – 16:30

Session 12

Changing the World, One Fintech at a Time

Brendan Bradley, Co-Founder of Seismic Foundry, showcases some of the fintechs that are likely to change the world of capital markets.

Brendan Bradley, Co-Founder, Seismic Foundry

Vince Julier, CEO and Co-Founder, FREGNAN
Mark Woolfenden, Managing Director, Euromoney TRADEDATA
Peter Fredriksson, Executive Chairman & Co-founder, Baymarkets AS
Yan Gloukhovski, Founder, Zeroflows

16:30 – 16:45

Closing Address

Nandini Sukumar, Chief Executive Officer, The World Federation of Exchanges

16:45 – 18:00

Farewell Reception

Venue: Brashörnan, Johan Bures väg 17, Umeå University Campus