WORLD FINANCIAL INFORMATION CONFERENCE
★ OCTOBER 13-16, 2019 ★ VANCOUVER, BC ★ CANADA ★

PRESENTED BY

FISD
Financial Information Services Association of SIIA

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MEET US AT WFIC BOOTH #1

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Overview
Hotel Map & General Information 3
Sponsor Exhibit Hall & Event App 5
Schedule at a Glance 6

Program Information
Weekend Activities 9
Monday, October 14 Sessions 11
Monday Roundtables 15
Tuesday, October 15 Sessions 17
Tuesday Roundtables 21
Wednesday, October 16 Sessions 23
Speakers 25
Sponsors 41

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Registration Hours & Exhibit Hours
Sunday, September 24  1:00 pm – 8:00 pm
Monday, September 25  7:30 am – 5:00 pm
Tuesday, September 26  7:30 am – 5:00 pm
Wednesday, September 27  7:30 am – 12:00 pm

Please wear your badge at all times. It serves as entry to the conference sessions and all meal events. As a courtesy to our speakers and your fellow attendees, please turn off your mobile phones while in sessions.

Meeting Attire
The dress code is business casual for the meeting sessions. Semi-formal attire is suggested for the Lifetime Achievement Award Banquet being held on-site at the conference hotel – JW Marriott Parq on Monday. Casual attire is suggested for the Networking Dinner at Grouse Mountain on Tuesday and the Farewell Networking Reception at Craft Beer Market on Wednesday.

Hotel Event Locations
★ General sessions will be held in Parq A/B or Parq D/E - see schedule for breakouts
★ Lunches will be held in Fairview & Parq F
★ Lifetime Achievement Award Dinner & Night Cap will be held in Parq D/E
★ Breaks will be held in Kitsilano Ballroom/Exhibit Area
★ Monday Roundtables will be held in Burrard; Tuesday Roundtables will be held in Parq D/E

Meeting Pods
- A & D – Attendee Meeting Areas
- B – Google Cloud
- C – Cboe Global Markets
- E – Amazon Web Services

Offsite Events

Networking Dinner at Grouse Mountain – Tuesday, October 15 (conference delegates only)

_Sponsored by Deutsche Börse Group_

Location:
Grouse Mountain, 6400 Nancy Greene Way North
★ 5:45PM – Meet in Lobby of JW Marriott Parq Hotel
★ 6:00PM – Depart for Grouse Mountain
★ 10:30 – 11:00PM – Buses begin to depart for return to JW Marriott Parq – buses depart every 15-30 minutes or as they fill up

Farewell Networking Reception at Craft Beer Market – Wednesday, October 16

_Sponsored by CME Group_

Location:
Craft Beer Market, 85 West 1st Ave
★ 12:30PM – Meet in Lobby of JW Marriott Parq Hotel
★ 12:45PM – Depart for Craft Beer Market
★ 1:00PM – 4:30PM – Networking Reception
★ 4:30PM – Depart for return to JW Marriott Parq Hotel
Attendee Profiles –
The NEW Digital Business Card!
Once you have downloaded the WFIC app, you will be asked to personalize and tailor your attendee profile. You can include any Name, Title, Bio, Email and Social Media Accounts. Treat these profiles like your own digital business card. Once you connect with an attendee, they will have access to this information!

TIP: Add as much information as you can so attendees can properly contact you after the conference!

Filterable Attendees List
By clicking on the attendee’s icon in the app, you will be able to view everyone who is in attendance. You will be able to search through this list and find the people you would like to connect with.

TIP: Using the Search for Attendee function will allow you to search through the attendee list by name, job title, company or even geographical location.

Say GOODBYE to Paper Business Cards and HELLO to Shake & Connect
Talking to someone and want to exchange contact information? Simply open the shake feature within the WFIC app and shake together to connect. With the click of a button (join) you have now exchanged your attendee profile information. It’s as easy as a handshake.

How to Keep Track of your Connections Post WFIC?
In the connections tab within the WFIC app, hit the export button. Every connection you made at WFIC will be exported into an Excel document and sent directly to your email!

Have any Questions? Please Contact Michael Zingali – mzingali@siia.net
WFIC Event App

Download the WFIC app to access the agenda, check out the speakers, connect with attendees, and discover all the features of the event available to you.

1. Download at: siia.net/wfic/wfic-app or via QR code provided
2. Create Your Profile. When creating your WFIC app profile, please use the email associated with your FISD Account
3. Under “looking for an event?” tap “search for events...”
5. Tap JOIN

Play the #WFIC19 Game!

Compete with other attendees to see who can earn the most points! Check your progress against other attendees on the Leaderboard at any time.

How to play:

1. Download the WFIC mobile app and click on the #WFIC19 GAME icon
2. Unlock passcodes by completing challenges
3. Once you complete a challenge, enter passcodes to earn points
4. Complete as many challenges as you can and climb to the top of the leaderboard!
5. New challenges unlocked every day...so check often

Winner will receive free admission to WFIC 2021!
SATURDAY, OCTOBER 12
8:45 a.m. - 3:00 p.m.
Meet in JW Marriott Lobby
BC Culinary Adventure at Granville Island
Sponsored by Canadian Securities Exchange

SUNDAY, OCTOBER 13
6:45 a.m. - 4:00 p.m.
Meet in JW Marriott Lobby
Market Data Cup Golf Tournament at Furry Creek Golf & Country Club
Sponsored by ICE Data Services

MONDAY, OCTOBER 14
8:50 a.m. - 8:55 a.m.
Parq D/E
Opening Remarks

8:55 a.m. - 9:00 a.m.
Parq D/E
Welcome & Keynote Introduction

9:00 a.m. - 9:30 a.m.
Parq D/E
Keynote
Sarah Ryerson, President, TMX Datalinx, TMX Group

9:30 a.m. - 10:15 a.m.
Parq D/E
The Winds of Change: Future of the Market Data Profession

10:15 a.m. - 10:45 a.m.
Exhibit Area/Kitsilano Ballroom Break
Sponsored by CUSIP Global Services

10:45 a.m. - 11:30 a.m.
Parq D/E
Selling (and Buying) the Better Mousetrap

11:30 a.m. - 12:30 p.m.
Lunch - Fairview & Parq F
★ Constituent Group Lunches
(invite only)
  ★ Consumers — Parq C
  ★ Exchanges — Granville
  ★ Data Vendors — Stanley

12:30 p.m. - 2:00 p.m.
Sponsored by Activ Financial & TraditionDATA

2:00 p.m. - 2:30 p.m.
★ Technology Forum - The Market Data Cloud: A Blueprint for Adoption
Parq A/B
Sponsored by Amazon Web Services, Crux, SmartStream RDU and Xignite

2:30 p.m. - 3:15 p.m.
★ Technology Forum - Machine Learning & Artificial Intelligence: Real-Life Use Cases and Impacts
Parq A/B
Sponsored by Amazon Web Services, Crux, SmartStream RDU and Xignite

3:15 p.m. - 3:45 p.m.
Exhibit Area/Kitsilano Ballroom Break

3:45 P.M. - 5:00 p.m.
Burrard Networking Roundtables

4:15 P.M. - 4:35 p.m.
Parq A/B
Behind the Scenes of Market Data Budgets

4:35 P.M. - 5:00 p.m.
Parq A/B
Disruption or Innovation?

6:00 p.m. - 10:00 p.m.
Parq D/E
Lifetime Achievement Award Dinner & Night Cap
Sponsored by Bloomberg & Fenics MD
**TUESDAY, OCTOBER 15**

8:50 a.m. - 9:00 a.m.  
Parq D/E  
**Welcome & Keynote Introduction**

9:00 a.m. - 9:30 a.m.  
Parq D/E  
**Keynote: The Human Side of AI**  
Debra Walton, Chief Revenue Officer, Refinitiv

9:30 a.m. - 10:15 a.m.  
Parq D/E  
**Data Consumers Reveal their Supplier Holiday Wish Lists**

10:15 a.m. - 10:45 a.m.  
Parq D/E  
**Advanced Insights into the Market Micro Structure — Modern Big Data Analytics at Work**  
Dr. Hartmut Graf, Executive Director, Head of Data Services, Deutsche Börse Group

10:45 a.m. - 11:15 a.m.  
Exhibit Area/Kitsilano Ballroom  
**Break**  
Sponsored by CUSIP Global Services

11:15 a.m. - 12:15 p.m.  
Parq D/E  
**Alternative Data Forum - Which Road through the Wild West? Alternative Data Delivery Platforms**  
Sponsored by TickSmith

12:15 p.m. - 1:00 p.m.  
Parq D/E  
**Alternative Data Forum - Compliant, Efficient, Secure: How to Be All Three**  
Sponsored by TickSmith

1:00 p.m. - 2:15 p.m.  
Fairview & Parq F  
**Lunch**  
Sponsored by S&P Global Market Intelligence & FactSet

2:15 p.m. - 2:45 p.m.  
Parq D/E  
**Keynote**  
Stephen Orban, General Manager, Amazon Web Services

2:45 p.m. - 3:30 p.m.  
Parq D/E  
**Show and Tell: The Journey to Cloud Adoption**  
Sponsored by TickSmith

2:45 p.m. - 3:30 p.m.  
Parq D/E  
**CME Town Hall**  
Parq A/B

3:30 p.m. - 4:00 p.m.  
Exhibit Area/Kitsilano Ballroom  
**Break**

4:00 p.m. - 5:00 p.m.  
Parq D/E  
**Bartender’s Choice Roundtables**

6:00 p.m. - 11:00 p.m.  
Meet in JW Marriott Lobby  
**Off-site Dinner Event at Grouse Mountain Resort**  
Sponsored by Deutsche Börse Group

**WEDNESDAY, OCTOBER 16**

9:00 a.m. - 9:45 a.m.  
Parq D/E  
**The Costs of Audits: People, Time and Money**

9:45 a.m. - 10:30 a.m.  
Parq D/E  
**Market Data Regulation in the U.S. and EU**

10:30 a.m. - 11:00 a.m.  
Exhibit Area/Kitsilano Ballroom  
**Break**  
Sponsored by CUSIP Global Services

11:00 a.m. - 11:45 a.m.  
Parq D/E  
**Digital Rights Management**

11:45 A.M. - 12:15 p.m.  
Parq D/E  
**Are the Capital Markets Going to Pot? Cannabis Ventures and Impacts**

12:30 p.m. - 4:30 p.m.  
Meet in JW Marriott Lobby  
**Farewell Networking Reception at Craft Beer Market**  
Sponsored by CME Group
CME Data Services

Defining the future of data

Learn more about our innovative data solutions in Booth #14
SESSION DESCRIPTIONS

SATURDAY, OCTOBER 12

8:45 a.m. - 4:00 p.m. — Meet in JW Marriott Lobby
BC Culinary Adventure at Granville Island
Sponsored by Canadian Securities Exchange

Enjoy a full day of networking with colleagues as you experience the culture and history of Vancouver’s culinary scene.

Once an industrial manufacturing area, Granville Island has been developed over the years and has quickly emerged as a leader in Vancouver’s culinary scene.

A delightful cornucopia of sights and smells, Granville Island Public Market is brimming with fresh produce, meats, cheeses, charcuterie, seafood and much more. Guests will explore this area with an experienced culinary guide and gain an intimate knowledge of Vancouver’s food culture; stopping along the way to sample some of the delights available throughout the market.

Following a bit of free time, re-group in the afternoon for a “well-spirited” adventure that explores the Granville Island beyond the Public Market, showcasing the Island’s iconic drinking establishments, one-of-a-kind boutiques, and a community of talented makers. From craft beer to artisan spirits, local wines to Japanese sake, relish the spoils of Granville Island with a local expert!

*This activity is at capacity. You must be pre-registered to participate.*

SUNDAY, OCTOBER 13

6:45 a.m. - 4:00 p.m. — Meet in JW Marriott Lobby
Market Data Cup Golf Tournament at Furry Creek Golf & Country Club
Sponsored by ICE Data Services

Golf Tournament at the beautiful Furry Creek Golf & Country Club – Who will win the Market Data Cup this year? Join your customers, colleagues and competitors for the 6th Market Data Cup Tournament sponsored by ICE Data Services. Transportation, breakfast, lunch and light cocktail reception included.

*This activity is at capacity. You must be pre-registered to participate.*

WEEKEND ACTIVITIES

8:45 a.m. - 3:30 p.m. — Meet in JW Marriott Lobby
Vancouver Discovery Tour
Sponsored by Canadian Securities Exchange

Join fellow conference attendees as you are guided through the fascinating sights of Vancouver! Note: Certain portions require some walking. Lunch is included.

Enjoy some time exploring Vancouver’s supernatural beauty on this tour throughout the city. Hitting the highlights such as Stanley Park; a 1000-acre peninsula of old growth rainforest in the heart of the city, stop and take some photos of the iconic mountain backdrop amid the totems.

Leaving city centre, the route crosses the Lions Gate Bridge; which connects the downtown core with the alpine and seaside villages of the North Shore. Breathe in the cedar-scented rainforest as you make your way across the dramatic and gently swaying 450’ Capilano Suspension Bridge over the rushing waters in the Capilano Canyon. While the suspension bridge itself is a magnificent feat, the park boasts myriad attractions from the heart-stopping Cliffwalk, to a series of elevated suspension bridges nestled amongst majestic Douglas fir.

Enjoy a West Coast lunch in the newly finished Cliff House Restaurant, adjacent to the gift shop.

Return to Vancouver via English Bay and stop in Granville Island before touring through Canada’s largest Chinatown; and the historic Gastown area; and Granville Island. Your knowledgeable guide will share the history, stories and sights and sounds of this metropolitan set amidst an abundance of natural scenery.

*This activity is at capacity. You must be pre-registered to participate.*

4:30 p.m. - 6:00 p.m. — Exhibit Area/Kitsilano Ballroom
Sponsor and Customer Only Cocktail Party
Sponsored by Refinitiv

This exclusive gathering between WFIC sponsors and consumer* delegates at the JW Parq Marriott will give consumers a head start on networking and sponsors extra exposure to their customers.

*Consumers planning to take advantage of the consumer travel stipend program must attend this reception.*

6:00 p.m. - 8:00 p.m. — Fairview
Welcome Reception
Sponsored by Refinitiv

Meet and confer with colleagues at the JW Parq Marriott. The welcome reception also provides an excellent opportunity for networking.
Fenics Market Data (Fenics MD) is a leading originator, generator and distributor of global financial and commodities market data.

Coverage – Quality – Reach

**Foreign Exchange:** Spot, Forwards, NDF, FX Options

**Rates:** IRS, Basis Swaps, Cross Currency Swaps, Overnight Index Swaps, FRAs, Non-deliverable Swaps

**Interest Rate Options:** Swaptions, Cap/Floors, Constant Maturity Swaps

**Inflation:** Fixing Seasonal Swaps, Inflation Options, Inflation Swaps

**Fixed Income:** Credit Default Swaps, Government Bonds, EM Bonds, Corporate Credit Bonds

**Energy & Commodities:** Oil, Gas, Power, Coal, Metals, Freight

**Equity Derivatives:** Index Options

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Contact datasales@fenics.com or visit www.fenicsmd.com for more information

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Monday Keynote

Sarah Ryerson
President,
TMX Datalinx,
TMX Group

Sarah Ryerson is President of TMX Datalinx, responsible for leading the growth of TMX Datalinx, the information services division of TMX Group which provides a broad spectrum of real-time and historical data solutions to clients around the world. A dynamic leader with an innovative, client-centric mindset and proven track record, Sarah brings extensive experience in building effective, high-performance teams and executing successful growth strategies. She will lead the TMX Datalinx business; engaging stakeholders from across the industry to find innovative ways to address the diverse needs of the evolving marketplace. She has held leadership roles in sales and business strategy in Canada and the United States. Most recently, she served as Head of Industry, Financial Services and was responsible for driving revenue growth and innovation in the Canadian banking and insurance sector. Sarah Ryerson joins TMX from Google; prior to that she designed and implemented business strategies for private and public sector clients across a wide range of industries while at McKinsey & Company. She is a graduate of Princeton University and she has an MBA in Strategic Management from Wharton Business School.

9:00 a.m. - 9:30 a.m. — Parq D/E
Keynote
Sarah Ryerson will discuss key trends, regulatory drivers and business opportunities in the global market data business.

KEYNOTE SPEAKER:
Sarah Ryerson, President, TMX Datalinx, TMX Group

9:30 a.m. - 10:15 a.m. — Parq D/E
The Winds of Change: Future of the Market Data Profession
The market data profession was tested in the wake of the financial crisis and honed by regulation and cost cutting measures in the years that followed. But how are the new agents of change, novel data sources, technology, and public policy affecting necessary skill-sets and staffing? How are environments at firms evolving with respect to the market data function, and how will they attract and retain talent?

MODERATOR:
Barry Raskin, FIA, Managing Director, Jordan & Jordan

PANELISTS:
Michelle Ansell, Global Head of Market Data, Macquarie
Ken Brady, Global Head of Market Data, Morgan Stanley
Scott Fitzpatrick, CEO, Tradition SEF
Dr. Matt Woodhams, Senior Managing Director, Fenics MD

10:15 a.m. - 10:45 a.m. — Exhibit Area/Kitsilano Ballroom
Break

10:45 a.m. - 11:30 a.m. — Parq D/E
Selling (and Buying) the Better Mousetrap
Of the myriad new service providers attempting to enter the financial information space, some really do have innovative solutions that represent a net positive to their clients. But they face many hurdles including a rigorous vetting process in which they must demonstrate compliance with regulatory requirements, endure deep reviews of their financials, references and other background checks, and the ever-present concern that they are being utilized purely as a negotiation ploy against incumbents. How can new vendors and financial institutions make the due diligence process easier? This panel will discuss institutional investment in sandboxes, acquisitions, and side doors through strategic partnerships. How does our vetting process compare to that of other industries?

MODERATOR:
Elizabeth Pritchard, Founder, White Rock Data Solutions LLC

PANELISTS:
Ed Addvensky, Vice President - Global Head of Relationship Management, ICE Data Services
Julie Armstrong, Chief Commercial Officer, ChartIQ
Jean Donnelly, Executive Director, FinTech Sandbox
Lila Gordem, Director, Global Head of Market Data Sourcing, Credit Suisse
Elliott Hann, Executive Director, UBS Data Solutions, UBS Investment Bank
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11:30 a.m. - 12:30 p.m. — Parq D/E
Retail Revolution or Evolution?
New and better tech both within and outside of our industry continues to stretch the boundaries of what’s possible, especially in the retail brokerage world. This panel will consider whether customer preferences are driving technology and business model changes, or whether those changes are driving customer preferences. Participants will discuss the transformation of the retail brokerage with respect to customer engagement, millennial preferences, crowdsourced analysis, ESG, and more.

MODERATOR:
Kevin Carrai, Global Head of Market Data and Access Services, Cboe Global Markets

PANELISTS:
Michael Blasi, FIA, Vice President, Market Data Advisory Services, Fidelity
Uri Gruenbaum, CEO, TipRanks
Matt Hay, Senior Product Manager, Market Data Services, TD Ameritrade
Steve Listhaus, Head of Market Data Services, Wells Fargo

12:30 p.m. - 2:00 p.m.
Lunch — Fairview & Parq F

Constituent Group Lunches
★ Consumers — Parq C
★ Exchanges — Granville
★ Data Vendors — Stanley

2:00 p.m. - 2:30 p.m.
TRACK A — Parq A/B
Technology Forum - The Market Data Cloud: A Blueprint for Adoption
★ Why is the cloud ready for market data prime time?
★ How do you get there? A step-by-step approach
★ Advice, pitfalls and considerations for adoption
Stephane Dubois, Founder and CEO, Xignite

TRACK B — Parq D/E
Market Data Industry Statistics and Growth Forecast Survey Results
Burton-Taylor surveyed 60 global market data or news vendor executives, industry analysts, users and consultants, asking them to forecast 2019 and 2020 organic growth in spend by individual market data user segments, by individual regions and for individual product types. The results reflect the sentiment of the industry and show a clear “demand compass” for users (from hedge funds to risk managers), for regions (from East to West) and for products (from desktops to datafeeds).”
Douglas B. Taylor, Founder & Managing Director, Burton-Taylor International Consulting

2:30 p.m. - 3:15 p.m.
TRACK A — Parq A/B
Technology Forum - Machine Learning & Artificial Intelligence: Real-Life Use Cases and Impacts
AI is already being utilized within the capital markets, but its reach is still spreading. This panel of experts will discuss a wide variety of current use-cases: economic models and forecasting, customer loyalty and satisfaction, managing regulatory burdens, and many more. The panel will also explore Natural Language Processing and its various flavors: voice to text, text to voice, translation, and sentiment analysis.

MODERATOR:
Alvin Huang, Capital Markets Specialist, Amazon Web Services

PANELISTS:
Tim Baker, CFA, Global Head of Applied Innovation & Refinitiv Labs, Refinitiv
Adam Honore, Executive Director, CME Group
Jonathan Neitzell, Investor and Board Advisor, Anduril Partners
Dr. Darryl Twiggs, Chief Technology Officer, SmartStream Technologies

TRACK B — Parq D/E
Emerging Markets: Growth Spurts and Growing Pains
The growth potential in emerging markets is huge and dramatic changes are happening right now through advancements in technology and lessons learned from observing more mature markets. Some markets are embracing progressive investment ideals and have embraced ESG Data. Yet concerns about local regulatory environments and lack of quality research may still keep some foreign investment at bay. Their lack of negotiating power may also hinder them in creating favorable terms with vendor/partners.

MODERATOR:
Sallianne Taylor, Global Manager, Market Structure and Strategic Alliances, Bloomberg L.P.

PANELISTS:
Adolpho Bianchi, Head of Market Data and Co-Location Services, BM&F BOVESPA
Kin Yee Ng, Senior Vice President & Head of Market Data and Connectivity, SGX
Oscar Onyema, Chief Executive Officer, Nigerian Stock Exchange
Jutta Werner, Head of Content Partners, Asia, Refinitiv

3:15 p.m. - 3:45 p.m. — Exhibit Area/Kitsilano Ballroom Break

3:45 p.m. - 5:00 p.m. — Burrard Roundtables (see page 15)
The 70s called.

They want their market data back

Why not bring your market data into the modern era with our new platform…ActivOne?

- Modern delivery and deployment architectures (on-demand, public cloud).
- Open platform to allow customers and third parties to create new data services and integrate existing ones.
- Raise the bar on reliability and maintainability with failover and recovery managed by the platform and API.

All while dramatically lowering the cost of ownership.

Can your market data platform do that?

Schedule a call with us today and we’ll show you the future of Market Data.

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sales@activfinancial.com
www.activfinancial.com
Roll up your sleeves and engage your peers in discussion about a variety of topics relevant to financial information executives. Roundtables are informal, small group discussions on key issues for the industry. Each table will be focused on a different, specific financial information topic. Some tables will provide an opportunity to follow up or preview topics with speakers from the plenary program. Facilitated by industry experts, these sessions will provide the opportunity to get caught up on the latest developments or take a “deep dive” into an issue with other practitioners.

**ROUND TABLES: MONDAY, OCTOBER 14  3:45 P.M. -  5:00 P.M. — Burrard**

**Alexa, ask Siri, has finance blinked and missed it?**
What can the financial data ecosystem learn from the data science techniques pioneered and refined by ‘FAANG’

**Market Data Administration: Lowering the Cost for All Industry Participants while Improving Client Service**
Eliminate the adversarial nature of market data compliance! Discuss (1) how technical API’s can lead to more efficient data requests and approvals between industry participants; (2) the opportunities for Agreements that are Shorter, Clearer and Electronic; (3) the benefits of Policies that are more standardized, and (4) how to make Entitlement Verification easier.

**Share Your Thoughts: Emerging Markets: Growth Spurs and Growing Pains**
The growth potential in emerging markets are supported by advancements in technology and lessons learned from observing more mature markets. Voice your concerns and questions about local regulatory environments and lack of quality research and negotiating power that may still keep some foreign investment at bay.

**Developing a New Forum: Product and Service Providers Unite**
A sizable number of FISD member firms create products and services within the financial information industry. Would it be useful to develop a forum for individuals involved in creation of these products and services to share common challenges and opportunities and, perhaps develop universal standards which would benefit the industry.

**Focus on Cloud Transformation: Gain a deeper understanding of the journey from product to platform.**
Discuss experiences of leveraging cloud technology to lower cost of ownership, explore new initiatives being implemented to support customers in financial services in their journey to a platform vision and cloud adoption.

**React to the Panelists: Selling (and Buying) the Better Mousetrap**
Engage with the plenary panel on how new vendors and financial institutions can make the onboarding process – due diligence, vetting etc. – easier so that innovative vendors and solutions can bring value to their clients more quickly.

**Join Panelists to Discuss: Retail Revolution or Evolution**
Join the plenary panel participants to discuss the transformation of the retail brokerage with respect to customer engagement, millennial preferences, crowdsourced analysis, ESG, and more.

**Sort through the Complexities: Management of Index inventories and licensing**
Meet with others in the index data value chain to discuss the increased volume, complexity and costs of Market Data Index licensing as it now poses a critical challenge for buy-side and sell-side firms. Index vendors are holding institutions to stricter levels of governance with increased audits, and new regulations recommend that firms identify and track their benchmark usage across all business areas.
3:45 p.m. - 4:15 p.m. — Parq A/B
Technology Forum - Why Most Firms Waste 70% of their Data Resources

Learnings from delivering and operating thousands of datasets.

Getting their data supply chain right is the foundation for any firm’s data strategy. Efficiency here is the difference between significant wasted resources and a scalable data process that enables companies to focus on insight and alpha extraction faster.

Philip Brittan, CEO, Crux Informatics

4:15 p.m. - 4:35 p.m. — Parq A/B
Behind the Scenes of Market Data Budgets

Greenwich Associates presents findings from the 2019 Global Market Data Research highlighting the budgets and wish lists of consumers, the concerns of data and technology providers and expectations for the next generation of market data technology.

Dan Connell, Managing Director, Greenwich Associates

4:35 p.m. - 5:00 p.m. — Parq A/B
Disruption or Innovation?

Can we be innovatively disruptive in the market data world and still grow market share?

James Watson, Global Head of Sales, Tradition Data

6:00 p.m. - 10:00 p.m. — Parq D/E
Lifetime Achievement Award Dinner

Sponsored by Bloomberg & Fenics MD

This event will include a reception and gourmet dinner as we honor the 2019 Market Data Lifetime Achievement Award winner. Suggested dress code is semi-formal.

2019 Lifetime Achievement Award Recipient

FISD established a Lifetime Achievement Award to recognize people who have contributed to major developments and accomplishments of the financial information industry over the past 25 years. Award nominees are vetted by a committee of FISD members and past award recipients.

Frank W. Piasecki

Frank W. Piasecki is the president and co-founder of ACTIV Financial, a global provider of real-time, multi asset financial market data, managed enterprise services and technology solutions. In 2012 he expanded ACTIV’s North American pre-trade risk and compliance solution, TradeDeck, to Canada, to help market participants address the Canadian IIROC and CSA regulations that would require pre-trade risk checks across all asset classes. Before ACTIV, Frank spent 11 years at A-T Financial where he spearheaded the institutional sales programs and global customer service group. Frank drove a customer-centric, product definition process, positioning A-T as a pioneer in real-time market pricing, data feed and display technology. His previous financial services work includes the formation of SRG, Inc., a VRDO securities content management research firm. He currently serves as a board member of Clearwater Management Company, a privately held asset management company. Frank has over 22 years of senior management experience in the market data industry and has spoken on various panels globally to address the role of technology within the changing real-time data space.
Tuesday Morning Keynote

Debra Walton
Chief Revenue Officer, Refinitiv

Debra leads all sales, client and partner relationship management and market development activities for Refinitiv. Her global team operating in 65 countries brings the entire range of Refinitiv solutions to meet the data analytics and workflow needs of our customers. She is a member of Refinitiv’s Executive Leadership Team and Executive Sponsor of the Women’s Network. Debra has lived and worked on three continents, and has held senior executive positions across product, content, sales and marketing at Refinitiv and the Financial & Risk business division of Thomson Reuters since she joined the firm in 2003. She is also a board member of the Tradeweb Board of Managers. Debra is a tireless advocate of gender equality and speaks globally on diversity and leadership as well as on the importance of ESG more broadly. Debra is an advisory board member at Springboard Enterprises, a technology start-up delivering enterprise solutions. Before that, she was the first female partner at Cantor Fitzgerald and a founding board member of the Cantor Financial Futures Exchange, the first electronic platform for trading U.S. Treasury futures contracts. Ms. Walton recently was awarded the Waters Women in Technology and Data 2018 Lifetime achievement award and in 2017 the Gertrude Crain Award from SIIA for her extraordinary record of achievement and service. In 2016 she was acknowledged as a Springboard Enterprises Oracle honoree, championing women entrepreneurship. In 2015, she was named a Woman of Vision by the Anita Borg Institute, won the coveted Merit Award from the Women’s Bond Club, and earned a spot on the New York Business Journal’s inaugural “Women of Influence” list. She has also won the New York Women’s Agenda Galaxy Award and the Women’s Venture Fund Highest Leaf Award. An avid golfer and sailor, Ms. Walton lives in New York with her husband.

Tuesday, October 15

8:50 a.m. - 9:00 a.m. — Parq D/E
Welcome & Introduction of Keynote
Jeff Joseph, President, SIIA

9:00 a.m. - 9:30 a.m. — Parq D/E
Keynote: The Human Side of AI
Not since Frankenstein’s monster opened his eyes and hopped off the scientist’s bench in Mary Wollstonecraft Shelley’s gothic novel, have more people been more afraid and vocal on the confluence of man and machine. That is especially true when the discussion turns to artificial intelligence. Given that fewer such discussions took place when blue collar workers saw their jobs replaced by robots in car factories in the 1990s and shop workers quietly became self-checkouts in this decade, what is all the fuss about? Debra’s presentation will answer three questions:
★ How quickly will jobs be replaced by machines?
★ How can we create smarter machines to make humans smarter?
★ What is the role of humans in this process?

KEYNOTE SPEAKER:
Debra Walton, Chief Revenue Officer, Refinitiv

9:30 a.m. - 10:15 a.m. — Parq D/E
Data Consumers Reveal their Supplier Holiday Wish Lists
Attend this session to receive unvarnished perspectives from senior financial data executives at leading banks and buy-side firms on concerns they have with their suppliers, internal downstream customers, and the overall regulatory and economic environment. For many of us, the holiday gift-giving season is right around the corner and in you’ll hear how to get on a consumer firm’s naughty or nice list.

MODERATOR:
Trip Wadleigh, FIA, Head of Relationship Management, Americas, TRG Screen

PANELISTS:
Ivette Collazo, Vice President, Market Data Category Director, State Street
Claire Pannell, Global Head of Operations & Data Vendor Management, Legal & General Investment Management
Devlin Ponte, FIA, Director, BlackRock
Sheree Tribbitt, Senior Manager - Market Data and Reference Data, Capital Group

10:15 a.m. - 10:45 a.m. — Parq D/E
Advanced Insights into the Market Micro Structure — Modern Big Data Analytics at Work
Dr. Hartmut Graf, Executive Director, Head of Data Services, Deutsche Börse Group

10:45 a.m. - 11:15 a.m. — Exhibit Area/Kitsilano Ballroom
Break
11:15 a.m. - 12:15 p.m. — Parq D/E
Alternative Data Forum - Which Road through the Wild West? Alternative Data Delivery Platforms

Consumers looking to purchase alternative data have a broad array of choices, not just in their data sets, but also in the kind of provider. They can choose from single product vendors, data brokers, data hubs, or even go to their traditional data providers. This panel will discuss the relative merits of each model and stages where each adds value. Topics to be discussed will include data integrity, administrative burdens, due diligence concerns, cleaning, validation, mapping and enhancements. The panel will also take bets on which model will dominate in the future and possible coming consolidation.

MODERATOR:
Eliza Raphael, Director of Market Data, Schonfeld

PANELISTS:
Emmett Kilduff, Founder and CEO, Eagle Alpha
Michael Patton, Vice President, Data Management Solutions, S&P Global Market Intelligence
Steve Weinstein, Head of TMT Research, MScience
Francis Wenzel, CEO, TickSmith

12:15 p.m. - 1:00 p.m. — Parq D/E
Alternative Data Forum - Compliant, Efficient, Secure: How to Be All Three

The saying goes, “with great new insights comes great responsibility,” right? Users and purveyors of alternative data must be good stewards of this material, especially if it may contain PII. Both legal and ethical reasons for compliance with best practices have bearing on how a firm sets its alternative data policies. Panelists will discuss meeting the challenges of compliance without becoming bogged down by them. Specifically:
★ How do you set up compliance processes, including evaluating data privacy?
★ How do you confirm that data has been sourced according to best practices?
★ How do you make your processes compliant, efficient, and secure?

MODERATOR:
Richard Thomas, Global Lead, Enterprise Data Management, 3d innovations

PANELISTS:
Sarah McKenna, CEO, Sequentum
Mike Salk, Managing Director, Content Distribution, Moody’s Analytics
Lauren Stevens, Vice President, Senior Strategist Content & Technology Solutions, FactSet

1:00 p.m. - 2:10 p.m. — Fairview & Parq F
Lunch
Sponsored by S&P Global Market Intelligence & FactSet

Tuesday Afternoon Keynote

Stephen Orban
General Manager, Amazon Web Services

Stephen is the GM (General Manager) of a new AWS service under development, and author of the book “Ahead in the Cloud: Best Practices for Navigating the Future of Enterprise IT”. Stephen spent his first three-and-a-half years with Amazon as the Global Head of Enterprise Strategy, where he oversaw AWS’s enterprise go-to-market strategy, invented and built AWS’s Migration Acceleration Program (MAP), and helped executives from hundreds of the world’s largest companies envision, develop, and mature their IT operating model using the cloud. Stephen authored Ahead in the Cloud so customers might benefit from many of the best practices Stephen observed working with customers in this role. Prior to joining AWS, Stephen was the CIO of Dow Jones, where he introduced modern software development methodologies and reduced costs while implementing a cloud-first strategy. These transformational changes accelerated product development cycles and increased productivity across all lines of business, including The Wall Street Journal, MarketWatch.com, Dow Jones Newswires, and Factiva. Stephen also spent 11 years at Bloomberg LP, holding a variety of leadership positions across their equity and messaging platforms, before founding Bloomberg Sports in 2008, where he served as CTO. Stephen earned his bachelor’s degree in computer science from State University of New York College at Fredonia.
2:10 p.m. - 2:15 p.m. — Parq D/E
Introduction of Keynote
Steve Dickey, Managing Director - OPRA, Cboe Global Markets / Chair - FISD Executive Committee

2:15 p.m. - 2:45 p.m. — Parq D/E
Keynote
Stephen Orban will explain how Amazon works backwards from customer needs to create innovative products and services.
Chat with Stephen and get a signed copy of his book “Ahead in the Cloud: Best Practices for Navigating the Future of Enterprise IT” at the Bartender’s Choice Roundables at 4:00pm.

KEYNOTE SPEAKER:
Stephen Orban, General Manager, Amazon Web Services

2:45 p.m. - 3:30 p.m.
TRACK A — Parq D/E
Show and Tell: The Journey to Cloud Adoption
Customers and providers will discuss their roads to cloud adoption, wherever possible citing real world examples. The benefits of leveraging the cloud are already well known, which include cost savings, innovation, scalability, burstability, time-to-market and processing power. These are powerful commercial incentives, but because the cloud is a technology solution, what do you need to understand about the tech to be successful? Are there any data sets that are more or less suitable for cloud storage? How about security and regulations?

MODERATOR:
Brennan Carley, Managing Director, Platform Consulting, Refinitiv

PANELISTS:
Peenaki Dam, Head of Product Strategy & Innovation, ICE Data Services
Mary Langevin, CFA, Executive Director, Head of Market Data Commercial - Americas, Nomura
Frank Piasecki, President, Activ Financial
Deanna Rowe, Financial Services Customer Engineer, Google

TRACK B— Parq A/B
CME Town Hall
Learn about how CME is addressing customer needs and ask anything you’ve ever wanted to know about their processes and policies!
Trey Berre, Global Head, CME Data Services, CME Group
Ross Stuart, Senior Director Global Data Licensing Services, CME Group

3:30 p.m. - 4:00 p.m. — Exhibit Area/Kitsilano Ballroom
Break

4:00 p.m. - 5:00 p.m. — Parq D/E
Bartender’s Choice Roundtables (see page 21)

6:00 p.m. - 11:00 p.m. — Meet in JW Marriott Lobby
Off-site Dinner Event Sponsored by Deutsche Börse Group

Sponsored by Deutsche Börse Group
Join colleagues for an evening of networking at the Grouse Mountain Resort.
This event, sponsored by Deutsche Börse Group, includes transportation, a reception, dinner and entertainment. Suggested dress code is semi-formal. Attendance at the dinner is limited to WFIC delegates.
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13 markets around the globe
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4 asset classes
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Cost effective solution
Clear policy terms to ensure compliance

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The diversity of types of digital financial investments rivals the OTC and cash markets, and we aren’t even past the startup stage. Are the methods we have for data management mature enough to handle these issues or do we need to think differently.

Wanted: Usable ESG data

The demand for ESG data is skyrocketing and institutional investors are looking for ways to integrate ESG data into their investment process with reliable, consistent data. How is ESG data harnessed? How can AI / machine learning be applied to gain further efficiencies?

Mutual Funds Unwrapped

Advances in wealth technology for rebalancing, trading, and custody have created unprecedented change in the future management of trillions of retail assets. We expect newly required data solutions to emerge from unrolling traditional mutual funds and ETFs. Join us in exploring innovative data solutions in the growing model management market.

Delve into: Data Consumers Reveal their Supplier Holiday Wish Lists

Engage with the senior financial data executives at leading banks and buy-side firms on the concerns they have with their suppliers, downstream customers, and the overall regulatory and economic environment.

Respond: Which Road through the Wild West for Alternative Data Delivery Platforms

Share your agreements and disagreements with the panelists from this session on consumers’ choices in alternative data providers. Discuss the choices and models that are currently offered, data integrity needs, due diligence concerns, and opine on which model(s) and players will dominate in the future.

Wrestling with Regulation: Market Data Regulation in the U.S. and EU

Discuss with the panelists the public policy and regulatory issues arising from the S.E.C. and ESMA, and the flurry of activity in response from our industry. Share your interpretation of terms like “reasonable commercial basis” and “fair and reasonable” and handicap the prospects for current and future consolidated tapes in the U.S. and Europe.

Digital Rights Management (DRM) – An Education

Prepare for Wednesday’s discussion panel, sit in on this condensed “ODRL 101” class - understand concepts and issues associated with DRM and ODRL. Then engage in deeper exploration of subjects inc: a universal Service ID and Open Sourcing.
TMX Datalinx Xpress

Streamline and simplify contracting

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**WEDNESDAY, OCTOBER 16**

**9:00 a.m. - 9:45 a.m. — Parq D/E**

**The Costs of Audits: People, Time and Money**

While nobody wants to go through an audit that results in fines or back-billing, consumer firms claim that the most significant tax is on their man-power. This panel will discuss attempts to alleviate the pain. Is technology the answer? Will continuous and low/zero administrative audits become a trend? What is the role of data vendors in assisting end-user firms? How does GDPR affect audits?

**MODERATOR:**
John White, CEO, Investment Data Licensing Advisors

**PANELISTS:**
Manon Amyot-Lake, FIA, Director | Head of Global Market Data Services, BMO Capital Markets
Tristan Dehaan, FIA, Vendor Manager, Aegon Asset Management
Dave Hill, Director, Global Commercial Management Global Solutions, Insights & Analytics Strategies, Toronto Stock Exchange
Scott Preiss, Managing Director, Global Head of CUSIP Global Services, CUSIP Global Services
Ross Stuart, Senior Director Global Data Licensing Services, CME Group

**9:45 a.m. - 10:30 p.m. — Parq D/E**

**Market Data Regulation in the U.S. and EU**

We are living in the proverbial “interesting times” as regulators in the U.S. and EU take an unprecedented interest in real-time market data. This panel will look at the public policy and regulatory issues arising from the S.E.C. and ESMA, and the flurry of activity in response from data consumers, vendors, and exchanges. We will examine terms like “reasonable commercial basis” and “fair and reasonable” to identify what they mean and whether they are being accomplished. The session will look at consolidated tapes – both the latest developments in the existing U.S. CTA and UTP tape plans and the prospects (and desirability) for a European Consolidated Tape.

**MODERATOR:**
Larry Tabb, Founder & Research Chairman, TABB Group

**PANELISTS:**
Paola Cereghino, Executive Director, Goldman Sachs
Edmund Flynn, FIA, Executive Director, Morgan Stanley
Michael Hodgson, Head of Information Services - Global Market Data and Indices, Euronext
Jeff Kimsey, Vice President and Head of Global Product Management, Nasdaq
Sallianne Taylor, Global Manager, Market Structure and Strategic Alliances, Bloomberg L.P.

**11:00 a.m. - 11:45 a.m. — Parq D/E**

**Digital Rights Management**

Digital Rights Management (DRM) is an attempt to automate much of the administrative process for onboarding and operating permissionable data. This session will discuss the parties pulling for DRM, the potential benefits for the industry, and the barriers to adoption.

**MODERATOR:**
Mark Bird, Co Founder, Data BP

**PANELISTS:**
John Chappell, Global Head of Market Data, Goldman Sachs
Paul Klug, Global Head of Entitlement Standards and Rights Management, Refinitiv
Trisha Perona, Director, Market Data Services, Fidelity Investments
Garrick Stavrovich, Product Management GIS, Nasdaq

**11:45 a.m. - 12:15 p.m. — Parq D/E**

**Are the Capital Markets Going to Pot? Cannabis Ventures and Impacts**

The legal cannabis industry is proving to be increasingly tempting to the financial sector with impacts on investment banking, exchanges, trading, listings, buy-side firms, and more. We’ll take a look at the regulatory aspects of this industry as well as the challenges of valuing cannabis-based stocks. Our panel will provide their assessment of the current state of this industry and share their insight on its future.

**PANELISTS:**
Richard Carleton, Chief Executive Officer, CNSX Markets Inc.
Blake Corbet, Managing Director and Co-Head Investment Banking, PI Financial
Matthew Fuchs, FIA, EVP, OTC Markets

**12:30 p.m. - 4:30 p.m. — Meet in JW Marriott Lobby**

**Farewell Networking Reception**

**Sponsored by CME Group**

Enjoy light refreshments and post conference banter. Craft Beer Market is located in the historic Salt Building in the heart of The Village - the former Athletes Village from the 2010 Winter Olympics. Built in 1930, the restaurant features high ceilings, rustic wood trusses, and a vintage feel. The multifaceted venue features floor to ceiling windows and a stunning central island bar on the main level. With a focus on using fresh, local ingredients whenever possible, all menu items are hand-crafted in house to provide the freshest food possible. With 140 taps, Craft is proud to offer Canada’s largest selection of draft beer along with an extensive list of wine, cocktails, and spirits. Transportation provided from JW Park Marriott to Craft Beer Market. Casual attire recommended. Bus returns to the hotel at 4:30 pm.
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Ed Addvensky  
Vice President - Global Head of Relationship Management, ICE Data Services

Ed Addvensky is Global Head of Relationship Management at ICE Data Services, which is part of Intercontinental Exchange (NYSE: ICE). As co-head of ICE Data Services’ sales team, he leads the company’s Relationship Management activities across ICE’s pricing and analytics, connectivity and feeds, and global desktops businesses.

Manon Amyot-Lake  
FIA Director | Head of Global Market Data Services, BMO Capital Markets

Manon Amyot-Lake is Director, Head of Global Market Data Service at BMO Capital Markets. Previously - Director and Global Head, Market Data Solutions for RBC. Prior to this, Manon worked in a variety of roles including Corporate Trainer, Credit Analyst, Director of Sales, and for a variety of large firms including Imperial Oil, GE Capital, Standard & Poor’s and CIBC.

Michelle Ansell  
Global Head of Market Data, Macquarie

Michelle is Global Head of Market Data at Macquarie Group. Michelle is accountable for all aspects of Market Data management at Macquarie. Prior to joining Macquarie in late 2018, she set up, developed and ran a market data managed service for 8 years. She has unique experience having run a business providing service to many global clients and now recently heading up market data for a global organization.

Julie Armstrong  
Chief Commercial Officer, ChartIQ

As key evangelist for the ChartIQ suite of products, Armstrong supports ChartIQ’s mission to deliver solutions to evolve finance world technologies. Throughout her career, Armstrong has remained committed to evolving the financial marketplace with new solutions, while remaining loyal to customers and teammates. With over two decades of experience in the financial marketplace, Armstrong has held leadership roles at Townsend Analytics and CME Group. In 2017, she won a Markets Media Women in Finance award.

Tim Baker  
CFA, Global Head of Applied Innovation & Refinitiv Labs, Refinitiv

Tim Baker is Global Head of Applied Innovation at Refinitiv. He leads a team of data and research scientists, design and U/X experts, and software engineers across the company’s San Francisco, New York, London and Singapore Labs, applying new technology and innovative approaches to solve business and customer challenges. He is responsible for POC-development and validation, using technologies including the API economy, cloud, machine learning, open and alternative data, and blockchain to lead the transformation of the financial-services sector.

Trey Berre  
Global Head, CME Data Services, CME Group

Trey Berre oversees CME Group’s portfolio of historical, real-time and derived data products and services. This includes the development of new data products, data distribution methods and analytics, as well as the integration of NEX data offerings into CME Group. Previously, Berre led the company’s Derived Data Licensing & Partner Services business, working with businesses to develop innovative products and tools from CME Group’s multi-asset benchmark futures and options market data.

Adolpho Bianchi  
Head of Market Data and Co-Location Services, BM&F BOVESPA

Adolpho joined B3 in July 2013 and is the Head of Market Data, Analytics and IT Services. Adolpho was previously at FIS where he was Head of Sales for LatAm. Before then he was a Director at Bloomberg managing the business of their data sales for LatAm. Adolpho started work in the city with Sao Paulo, Brazil at Thomson Reuters, in their media sales team. Adolpho holds a BA from The University of Mackenzie and an MBA from The FIA University.

Mark Bird  
Co Founder, Data BP

Mark Bird has been developing systems to advance business processes in the market data industry for over twenty years. In 1998 he began his professional career as a software developer with TCB Data Systems, a boutique industry service provider. After rising to the role of lead developer, Mark spent four years at the New York Stock Exchange where his responsibilities ranged from supporting the content licensing team to leading the Market Data administration division of NYSE Technologies.

Michael Blasi  
FIA Vice President, Market Data Advisory Services, Fidelity

Michael Blasi is Vice President, Market Data Advisory Services within Enterprise Infrastructure, a division of Fidelity Investments. Fidelity is a leading provider of investment management, retirement planning, portfolio guidance, brokerage, benefits outsourcing and other financial products and services. Mr. Blasi is responsible for enterprise market data supplier management with a focus on performance management, service level agreements, and scorecards, as well as providing client services to Fidelity business units leveraging all forms of market data content for internal consumption and external delivery to Fidelity retail and institutional customers.
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For decades, FactSet has helped the financial services community address pressing challenges such as optimizing technology costs, integrating cross-organizational workflows, mitigating risk due to increased regulatory demand, and creating efficient data governance processes.

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JOIN LAUREN STEVENS
VP, Senior Strategist, FactSet
12:15 p.m. | Tuesday, October 15
Alternative Data Forum - Compliant, Efficient, Secure: How to Be All Three
Ken Brady
Global Head of Market Data, Morgan Stanley

Ken is the Global Head of Market Data responsible for strategic data requirements, procurement and vendor provider strategy for Morgan Stanley Globally. Ken joined Morgan Stanley from Merrill Lynch where he was the Global Market Data Technology manager for the Institutional Business. Prior to Merrill Lynch Ken was with EJV partners in the early start up phase and before EJV Ken managed the Open Systems Group for Reuters.

Philip Brittan
CEO, Crux Informatics

Philip Brittan, CEO Philip has 30 years of experience in the FinTech sector, both as a serial entrepreneur and as a business leader in larger firms. Most recently, he was Chief Technology Officer and Global Head of Platform of the Financial and Risk Division at Thomson Reuters. Prior to that he oversaw Google Finance and a portion of Google Local Search. He led the growth of Bloomberg’s Foreign Exchange business from entering the FX market to establishing a leadership position. Philip began his career as a serial entrepreneur CEO, founding and running three start-up companies (Fenics, Spheresoft, and Droplets).

Richard Carleton
Chief Executive Officer, CNSX Markets Inc.

Richard Carleton was appointed CEO of the Canadian Securities Exchange in July 2011. During his tenure, Richard and the CSE team led a re-capitalization of the exchange in 2012-2013 and established relationships with key influencers in the Canadian securities industry and beyond. These efforts positioned the exchange to take a leading role in the provision of public capital to entrepreneurial companies; from 2014 on, the CSE set a series of records for new listings, capital raised by issuers and trading turnover.

Brennan Carrai
Managing Director, Platform Consulting, Refinitiv

Brennan leads the Refinitiv Platform Consulting team, responsible for consultative engagement with strategic customers. Brennan has held a range of roles at Refinitiv (formerly the Financial & Risk business of Thomson Reuters) since 2011, including leading the global Enterprise business (a $1.3B business that provides content and related services including real-time, historical, reference data, enterprise analytic services, data management platforms, and managed services), and large programs such as the companies MiFID and FRTB programs.

Kevin Carrai
Global Head of Market Data and Access Services, Cboe Global Markets

Kevin Carrai is Vice President and Global Head of Market Data and Access Services for Cboe, one of the world’s largest exchange holding companies, offering trading across a diverse range of products in multiple asset classes and geographies. At Cboe, Mr. Carrai oversees the company’s market data and access services business including product development, strategy, pricing and data policy. He was previously with Bats and Direct Edge, where he was responsible for building their market data and connectivity businesses.

John Chappell
Global Head of Market Data, Goldman Sachs

Working in various market data roles within Goldman Sachs since 1997. Now overall global head of market data. Has taken a leading role in the industry’s debate on Digital Rights Management.

Ivette Collazo
Vice President – Market Data Category Director, State Street

Ms. Collazo is a Vice President – Category Director Market Data Services at State Street Corporation within the Global Procurement division. Ivette leads the team responsible for overseeing its market data strategy to align with the firm’s strategic objectives as it pertains to its financial information requirements. Ms. Collazo brings over 25 years’ experience in the data and technology industry. She started her career at Bloomberg LP and ascended through the ranks to lead regional sales and account management handling top tier institutional buyside clients.

Dan Connell
Managing Director, Greenwich Associates

Daniel Connell oversees the Market Structure and Technology practice at Greenwich Associates. Immediately prior to Greenwich Associates he was the CEO at Correlix, Inc., a leading provider of real-time performance optimization technology. Formerly, Dan worked as an executive-in-residence at Spire Capital where he oversaw strategic investments in the financial technology and business services sectors.
Pinpoint and build the precise data package that’s right for you.

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- Energy & Commodities
- Interest Rate Derivatives
- Credit & Fixed Income

See you at: booth #4
Blake Corbet  
Managing Director and Co-Head  
Investment Banking, PI Financial  


Tristan Dehaan  
FIA  
Vendor Manager, Aegon  
Asset Management  

Tristan Dehaan is the Global Lead Vendor Manager for market data at Aegon Asset Management which is part of the global insurance firm Aegon. Based in The Netherlands, but London born, Tristan is responsible for major tier 1 & 2 vendor relationships with primary roles as internal consultant to the business, external relationship manager to the vendors and as the lead Data Compliance Officer overseeing audits and data compliance programs.

Jean Donnelly  
Executive Director,  
FinTech Sandbox  

Jean Donnelly is the FinTech Sandbox Executive Director who comes from Fidelity Investments, GE Capital, and EnerNOC. With a background in insurance operations and process excellence in both financial services and clean tech, she has worked in both small startups as well as established industry makers. Jean likes to get things done whether it be completing business initiatives, reducing turnaround times, or bringing new businesses on board. She looks forward to assisting FinTech Sandbox build a vibrant community.

Scott Fitzpatrick  
CEO, Tradition SEF  

Scott Fitzpatrick joined Tradition NY in July 2012 as Managing Director of Strategy and Business Development. With the onset of new regulatory requirements, and the resulting set up and implementation of the Tradition SEF, he was appointed CEO of Tradition SEF in early 2014. Mr. Fitzpatrick is directly responsible for the development of Tradition’s SEF related business across all asset classes and has guided Tradition SEF to becoming one of the primary SEFs in today’s market. Mr. Fitzpatrick is a Board Member of the Wholesale Market Brokers Association Americas (WMBAA).

Jean Donnelly  
Executive Director,  
FinTech Sandbox  

Jean Donnelly is the FinTech Sandbox Executive Director who comes from Fidelity Investments, GE Capital, and EnerNOC. With a background in insurance operations and process excellence in both financial services and clean tech, she has worked in both small startups as well as established industry makers. Jean likes to get things done whether it be completing business initiatives, reducing turnaround times, or bringing new businesses on board. She looks forward to assisting FinTech Sandbox build a vibrant community.

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Matthew Fuchs, FIA  
EVP, OTC Markets  

Matthew Fuchs is an Executive Vice President leading the product development, distribution and sales of market data at OTC Markets Group. He is responsible for overseeing the launch of new products and enhancements to existing market data tools that help financial institutions more efficiently trade and analyze OTCQX, OTCQB, Pink and Grey Market securities. Continual enhancements and improvements to our products led to OTC Markets Compliance Data File being recognized for Best-Real Time Market Data Initiative at the 2016 Inside Market Data/Inside Reference Data Awards.
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Learn more at cruxinformatics.com.
**Lila Gordem**  
**Director, Global Head of Market Data Sourcing, Credit Suisse**  
Lila currently works in the Strategy and Sourcing division at Credit Suisse as the Market Data Sourcing Category Lead. Her goal is to be a trusted partner for internal stakeholders on all Market data strategic sourcing activities by delivering optimally priced, risk mitigated third party supplier contracts that support key business activities and generate revenue for the firm.

**Dr. Hartmut Graf**  
**Executive Director, Head of Data Services, Deutsche Börse Group**  
Hartmut Graf is Head of Data Services at Deutsche Börse Group. The department is responsible for the market data business including the real-time dissemination and analytics business. Before becoming Head of Data Services, Hartmut ran the index business at Deutsche Börse Group from 2004 to 2016. As CEO of STOXX, he transformed the company into a leading provider of global index solutions.

**Uri Gruenbaum**  
**CEO, TipRanks**  
Uri Gruenbaum is a Co-Founder and CEO of TipRanks, responsible for leading the vision, strategy, and enterprise sales. TipRanks is a Financial Accountability research platform headquartered in Tel Aviv and backed by VCs and industry leaders. Prior to founding TipRanks, Uri lead national scale software projects in the space of cryptography. Uri is also an active fintech investor and advisor at different fintech ventures. Uri holds a BSc in Computer Engineering from the Hebrew University of Jerusalem and an MBA in marketing from Tel Aviv University.

**Elliott Hann**  
**Executive Director, UBS Data Solutions, UBS Investment Bank**  
Elliott joined UBS in July 2018 as Executive Director, UBS Data Solutions. UBS Data Solutions is part of the Investment Bank and focuses on delivering digital content to our clients. Elliott’s role encompasses both the curation and distribution of Data. Elliott joined UBS from BGC Partners where he was Global Head of Sales for Fenics Market Data, the exclusive distributor for the BGC group market data brands such as BGC, GFI, Amerex and RP Martin. Prior to this role Elliott was Commercial Director of Fenics Software Limited where he managed the commercial business and team for the Fenics Software and GFI Market Data businesses.

**Matt Hay**  
**Senior Product Manager, Market Data Services, TD Ameritrade**  
Matt Hay is a newly elected member of the FISD Executive Committee and a Senior Product Manager in Market Data Services at TD Ameritrade. Prior to the acquisition of Scottrade by TD Ameritrade, Matt was the Assistant Vice President charged with overseeing Market Data Operations at Scottrade, where he managed the Market Data Compliance, Market Data Business, and Data Quality teams.

**Mike Hodgson**  
**Head of Information Services - Global Market Data and Indices, Euronext**  
Mike Hodgson has worked in the market data industry for 30 years currently as Head of Information Services at Euronext and in a variety of data related roles at Thomson Reuters, UBS and London Stock Exchange. The roles have included negotiating and implementing global, strategic enterprise deals, handling compliance and regulatory issues and building relationships with exchanges, end users and vendors.

**Adam Honore**  
**Executive Director, CME Group**  
Adam Honoré is an Executive Director at CME Group. Previously, he was CEO at MarketsTech LLC. Prior to MarketsTech, Mr. Honoré was a managing director at NASDAQ responsible for global business development and ISV relationships for FinQuod. Prior to NASDAQ, Mr. Honoré was the Research Director of the capital markets practice at Aite Group where he specialized in financial services technology, focusing on strategic technology initiatives associated with high performance trading, market data, machine-readable content, smart order routing, technology services, complex event processing (CEP), straight-through processing (STP), and risk management issues.

**Alvin Huang**  
**Capital Markets Specialist, Amazon Web Services**  
Alvin is a Capital Markets Specialist for Worldwide Financial Services Business Development at Amazon Web Services with a focus on artificial intelligence and machine learning. He has over 19 years of experience in the financial services industry, and prior to joining AWS, he was an Executive Director at J.P. Morgan Chase & Co. where he managed the North America and Latin America transaction surveillance teams and led the development of global trade surveillance.
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Jeff Joseph  
President, SIIA  
Jeff Joseph is president of SIIA – the principal trade association for the software and digital information industries. SIIA’s more than 700 members consist of software companies, data and analytics firms, information service companies, and digital publishers serving nearly every segment of society, including business, education, government, healthcare and consumers. Prior to joining SIIA, Joseph was founder and CEO of Starlight Public Affairs, a strategic communications firm advising an array of corporate and non-profit clients. Joseph also served as senior vice president of communications and strategic relationships for the Consumer Technology Association (CTA)™, the U.S. trade association representing more than 2,200 consumer technology companies. CTA owns and produces CES® – The Global Stage for Innovation.

Emmett Kilduff  
Founder and CEO, Eagle Alpha  
Emmett Kilduff is a fintech entrepreneur (founder and CEO of Eagle Alpha), a regular speaker and thought-leader on alternative data and former investment banker (Morgan Stanley and Credit Suisse). Established in 2012, Eagle Alpha is a pioneer in connecting the universe of alternative data. Its solutions are used by buyside firms, private equity firms and corporations to make data-driven investment and strategic management decisions.

Jeff Kimsey  
Vice President and Head of Global Product Management, Nasdaq  
Jeff Kimsey is Vice President and Head of Data Products for Global Information Services at Nasdaq. He is responsible for the ensuring the ongoing growth and development of current and new data products business. Mr. Kimsey’s team has strategic and operational oversight for Nasdaq’s core equities, options, futures, index, mutual fund and fixed income data products. Mr. Kimsey has been with Nasdaq since 2001 while holding the current role since 2008.

Paul Klug  
Global Head, Order and Rights Management, Refinitiv  
Paul Klug has over 35 years of experience in the asset management, wealth management, and technology sectors. Working with Morgan Stanley, Goldman Sachs, JP Morgan, and Deutsche Bank, Paul has been a general manager of financial services businesses in Hong Kong, Japan, Singapore, India, Australia and other Asian locations, as well as the United States. Paul graduated from Cornell University in 1973 with a BS in Operations Research and began his career as an IT consultant with Arthur Andersen (now Accenture).

Mary Langevin, CFA  
Executive Director, Head of Market Data Commercial - Americas, Nomura  
Mary is responsible for content acquisition, data governance, and vendor management for the Americas. In addition, she is a member of the global senior market data leadership team. Her market data industry experience includes roles with Lehman Brothers, Barclays Capital, Credit Suisse, and NYMEX. She has held positions in banking, insurance, academia, and the Peace Corps.

Steve Listhaus  
Head of Market Data Services, Wells Fargo  
Steve Listhaus manages the Market Data function for Wells Fargo. In this role Steve is responsible for all technical, operational and commercial aspects related to market data. Prior to joining Wells Fargo, Steve worked at Thomson Reuters where he lead the Technical Account Management team. Prior to Thomson Reuters, Steve held a number of positions related to trading technologies.

Michael Marrale  
CEO, MScience  
Michael V. Marrale is an American finance executive who currently serves as CEO of M Science, the pioneer in alternative data-driven research. An early adopter of alternative data in the investment process, he has led one of the largest data-driven research organizations globally, combining the best of data science and analysis to uncover valuable insights for corporations and financial institutions. Founded as Majestic Research in 2002, Michael joined M Science’s predecessor in 2012 as Head of Research, Sales & Trading.

Sarah McKenna  
CEO, Sequentum  
Sarah brings 20 years leadership experience across a range of technologies and industries, where she focuses on transforming technology and teams to deliver consistently high quality, trustworthy and ambitious results with a lean budget. At Sequentum, Sarah is CEO, responsible for sales, operations and product strategy.
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Michael Neff  
**Market Data Services, Deutsche Bank AG**

Michael Neff joined Deutsche Bank’s Market Data Contracts Team back in 2007. He took on the role of heading up the newly created Global Index Team, tasked with putting in place the structure to source, license and manage all of DB’s Index Market Data and Derivative product licensing. Mike has over 25 years of experience in financial services, including having held senior positions at a Technical Analysis Software provider (Aspen Research Group) and heading up the Market Data Services for a Commodities Exchange (New York Board of Trade).

Jonathan Neitzell  
**Investor and Board Advisor, Anduril Partners**

Jon is the founder of Anduril Partners, an investment and advisory firm focused on the application of data driven processes. Jon has over 18 years of technology and financial services experience as a portfolio manager, chief data officer, while serving on several board and advisory roles including Aiera (advanced, self-learning models, augmented with human insight), Aptiviti (360-degree due diligence platform for leaders and decision makers), Crux Informatics (ETL data delivery platform for the financial industry), and Equity Data Science (data analytics process platform as a service).

Oscar Onyema  
**Chief Executive Officer, Nigerian Stock Exchange**

Mr. Oscar N. Onyema is Chief Executive Officer and Council Member at the Nigerian Stock Exchange. Mr. Onyema served as Chief Administrative Officer and Senior Vice President of American Stock Exchange LLC. Mr. Onyema served as a primary liaison among various Amex operating divisions, the trading floor community, and external constituents. In addition, he was responsible for strategy and competitive analysis, Membership and Registration Department and Market Data Services Department.

Claire Pannell  
**Global Head of Operations & Data Vendor Management, Legal & General Investment Management**

Claire is currently the Global Head of Operations & Data Vendor Management at Legal & General Investment Management (LGIM). Claire has worked in the market data industry for 20+ years and has extensive knowledge across the vendor landscape but has a particular interest in Benchmark providers and capabilities. Her team are globally responsible for all aspects of market data vendor & supplier management including the procurement life cycle across: real-time, index, proxy, research, pricing and reference data suppliers.

Kin Yee Ng  
**Senior Vice President & Head of Market Data and Connectivity, SGX**

During his past eleven years with SGX, Mr Ng headed various appointments in Technology and Project Management prior to his current role. He was involved in delivering one of the world’s fastest trading engines, migrating mainframe systems supporting key financial market infrastructures of Singapore, and rolling out enterprise-wide risk management systems.

Michael Patton  
**Vice President, Data Management Solutions, S&P Global Market Intelligence**

Michael Patton is a Vice President within Data Management Solutions global product management team at S&P Global Market Intelligence. He oversees a variety of quantitative and qualitative datasets offered through enterprise platforms. He is responsible for the overall maintenance of each of these product offerings, as well as a continued focus to uncover new growth opportunities in the marketplace. He is also actively involved in many of the company’s strategic partnerships.

Trisha Perona  
**Director, Market Data Services, Fidelity Investments**

Trisha Perona is a Director of Market Data Services at Fidelity Investments. She works with the Asset Management Equity, High Income, Fixed Income, Institutional, and Asset Allocation investment divisions and the sales/marketing and operations teams to provide strategic direction and day-to-day management oversight of all market data services. With almost 20 years’ experience in the market data industry, in Asset Management and the Hedge Fund business, Trisha has spear-headed strategic spend management initiatives, large roll-outs of vendor products and product evaluations.

Philip Perrott  
**Head of DataLab, Fenics MD**

Phil and his team drive data innovation within Fenics MD and the BGC Group. Phil’s early career began as an IDB before moving into banking to build and run a number of Sales, Trading and portfolio management teams. The volatility of 2007 and 2008 identified an opportunity for more advanced risk reduction, analytical and data mining techniques and Phil therefore left banking to design and co-found ReMATCH a service which was to quickly become one the leading global CDS market risk reduction, data and analytical platforms.

Frank Piasecki  
**President, Activ Financial**

Frank W. Piasecki is the president and co-founder of ACTIV Financial, a global provider of real-time, multi asset financial market data, managed enterprise services and Cloud Publishing solutions. Before ACTIV, Frank spent 11 years at A-T Financial where he spearheaded the institutional sales programs and global customer service group. Frank drove a customer-centric, product definition process, positioning A-T as a pioneer in real-time market pricing, data feed and display technology.
Financial institutions are critically dependent on high quality reference data to ensure that they can successfully trade electronically, automate their operations and report accurately to regulators. Large institutions spend millions of dollars to improve data quality, fix data issues and manage the exceptions that occur due to bad data.

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Devlin Ponte FIA  
Director, Strategic Relationship Manager - Index and Data Solutions, BlackRock  

Devlin Ponte, Director, is a Strategic Relationship Manager within the Index and Data Solutions team at BlackRock. Devlin has 20 years of industry knowledge and experience in the strategic partnership, effective management, administration and utilization of market data on behalf of stakeholders. Since joining BlackRock, he has led an initiative around contract rights management, designing and building a new function and team to establish this critical function within the IDS team.

Scott Preiss  
Managing Director, Global Head of CUSIP Global Services, CUSIP Global Services  

Scott J. Preiss is Managing Director, Global Head of CUSIP Global Services (CGS)/S&P Capital IQ, which administers the CUSIP numbering system and the CUSIP International Numbering System (CINS) for the United States, Canada, and various global territories under contract to the American Bankers Association. Under Scott’s direction, CGS is responsible for the development and operation of the ANNA Service Bureau, launched as a central hub for the consolidation and distribution of ISIN data from >120 global markets, and jointly operated with SIX Financial Information, Zurich.

Elizabeth Pritchard  
Founder, White Rock Data Solutions LLC  

Elizabeth is Founder of White Rock Data Solutions LLC a consulting firm providing innovative solutions for managing and commercializing data. In 1996, Elizabeth joined Goldman Sachs and held leadership roles across Sales and Trading, Compliance, Middle Office and Treasury for nearly two decades, delivering impact through people, process, data and technology. Elizabeth developed the strategy for and built the first Supervisory Control Function on Wall Street.

Eliza Raphael  
Director of Market Data, Schonfeld  

Eliza Raphael is currently a Director of Data Strategy and Sourcing at Schonfeld. Prior to joining Schonfeld earlier this year, Eliza was at Nasdaq for over a decade. Her various roles there spanned market data sales, product management and business development. Her most recent role was Head of Alternative Data Partnerships for the Nasdaq Analytics Hub which acquired Quandl in late 2018.

Barry Raskin FIA  
Managing Director, Jordan & Jordan  

Barry Raskin (FIA) joined Jordan & Jordan (J&J) in January 2016 as Managing Director of Management Consulting. After a 28 year career as the Managing Director of the Americas for SIX Financial Information and a similar role at GBST, a financial software firm, Barry joined Jordan & Jordan. J&J is the premier financial technology company providing regulatory, market data and trading solutions across the securities industry. Barry’s extensive industry experience and network across all disciplines, enables him to provide J&J’s clients with a wide range of consultative services based on clients’ requirements.

Deanna Rowe  
Financial Services Customer Engineer, Google  

Deanna Rowe is the engineering lead for Google Cloud’s Financial Services division in the central region, working with trading firms, retail banks, insurance companies, and exchanges. She leads teams that enable businesses to migrate to the cloud and/or build new solutions in the cloud to accelerate business outcomes (like backtesting, market data distribution, etc). Prior to Google, Deanna was a part of IBM’s Cloud organization focused on helping customers adopt PaaS technology.

Mike Salk  
Managing Director, Content Distribution, Moody’s Analytics  

Michael Salk, Moody’s Analytics Managing Director - Content Distribution, joined Moody’s in 2007 and has extensive information industry experience developing and marketing financial products. At Moody’s Mike’s team is responsible for product and strategic management for a global portfolio of data and research services. Prior to Moody’s, he oversaw financial news and market data products at the Associated Press.

Garrick Stavrovich  
Product Management GIS, Nasdaq  

Garrick Stavrovich has over 20 years of experience in market data. He started with the CBOT in Chicago performing market data vendor audits. In 1999, he moved Bridge, then Reuters and then Thomson Reuters, he advanced through various roles in content, order to cash, product data management, and M&A. Garrick joined Nasdaq in 2016 and currently serves as the Head of Non Exchange Data Products - Americas for Nasdaq Global Information Services (GIS).

Lauren Stevens  
Vice President, Senior Strategist Content & Technology Solutions, FactSet  

Lauren Stevens is Vice President, Senior Strategist, for FactSet’s Content and Technology Solutions. Specifically, she is responsible for analyzing market research and determining the direction of the FactSet content, cloud and technology strategy. Since joining FactSet in 2006, she worked as a Consultant until 2008, and then as an Economic Specialist until 2013, when she assumed her current role. She received her B.S. in Policy Analysis from Cornell University.
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Ross Stuart
Senior Director Global Data Licensing Services, CME Group
Ross Stuart has led the CME Group’s market data policy and compliance function since 2017, having joined from the London Stock Exchange Group in 2014 to direct the exchange’s market data teams in London and Hong Kong. Ross oversees the development of market data policies and programs globally, as well as the CME’s market data compliance and assurance team.

Larry Tabb
Founder & Research Chairman, TABB Group
Larry Tabb is the founder and research chairman of TABB Group, the research and strategic advisory firm focused exclusively on capital markets. Launched in 2003 and based on the interview-based research methodology of “first-person knowledge” that Larry developed, TABB analyzes and quantifies the investing value chain, from the fiduciary, investment manager and broker, to the exchange and custodian, helping senior business leaders gain a truer understanding of financial markets issues.

Douglas B. Taylor
Founder & Managing Director, Burton-Taylor International Consulting
Douglas B. Taylor is Founder & Managing Partner of Burton-Taylor International Consulting LLC, a business consulting organization created in 2006 and acquired by TP ICAP in 2016. Burton-Taylor has become the market data industry reference. Burton-Taylor clients command an estimated 80% share of global revenue in the market data space.

Sallianne Taylor
Global Manager, Market Structure and Strategic Alliances, Bloomberg L.P.
Sallianne Taylor is the Global Head of Bloomberg’s Market Structure & Strategic Alliances team. The Market Structure Strategy team focuses on positioning Bloomberg in the optimal space as regulation and politics drive the development of the financial markets. Key to the successes of the group are the relationships forged with the prominent market players in this space – namely the exchanges, the clearing houses and the regulators, together with an in-depth understanding of the needs of Bloomberg’s clients, today and more importantly in the future.

Richard Thomas
Global Lead, Enterprise Data Management, 3d innovations

Sheree Tribbitt
Senior Manager - Market Data and Reference Data, Capital Group
Sheree Tribbitt is a Senior Manager in the Investment Operations Information and Insights group, responsible for the Market Data Information Services group and the Reference Data team. Prior to joining the Capital Group in 2015, she worked at JPMorganChase for over 15 years in data management and strategy roles across both Marketing and IT, most recently as a Vice President in the Customer Data Initiative.

Dr. Darryl Twiggs
Chief Technology Officer, SmartStream Technologies
Darryl is the Chief Technology Officer at SmartStream. He was previously SVP Strategic Initiatives, and as such was responsible for the innovation and business direction of new strategic solutions from inception to delivery, including the integration of Artificial Intelligence/Machine Learning services, advanced analytics and Distributed Ledger Technology network services. Darryl joined SmartStream in 1999, as product manager for reconciliations and delivered the first version of TLM Reconciliations in 2001.

Trip Wadleigh FIA
Head of Relationship Management, Americas, TRG Screen
Trip offers over 25 years of experience in the financial services industry, providing leadership and subject matter expertise across vendor and expense management, process improvement and specifically the negotiation and administration of market data services across enterprises. He has supported the investment process from both front and back office perspectives and has experienced the consumer and vendor sides of the industry.
Peter Warms  
Manager of Fixed Income,  
Entity, Regulatory Content and  
Symbology, Bloomberg L.P.

Peter Warms is the Manager of Fixed Income, Entity, Regulatory Content and Symbology. Bloomberg’s Symbology initiative provides the marketplace access to Bloomberg identifiers and symbols across all asset classes with no commercial terms or restrictions on usage. Prior to his current role, Peter was responsible for overseeing business development for Bloomberg Data License, which combines the resources of the Bloomberg Professional Service - the world’s most trusted source of information, analytics, data and news - with end of data and intraday reference, pricing and corporate action data services.

Francis Wenzel  
CEO, TickSmith

Francis Wenzel is a seasoned financial data & technology executive and entrepreneur who is applying his 32 years of experience to TickSmith, a company that specializes in financial Big Data applications that do away with capacity issues. Described as a “financial data lake platform for Capital Markets”, TickSmith’s flagship platform, TickVault is disrupting financial data management practices by providing untold new opportunities to exploit financial data.

James Watson  
Global Head of Sales,  
Tradition Data

James Watson is the Global Head of Sales for the Tradition Market Data Group. With over 30 years’ experience in the financial industry, he has held senior roles across a wide range of companies, most recently as CEO of ADS Securities in London. Previously, he was head of the EMEA FX Transactions business and head of FXall EMEA at Thomson Reuters. Prior to that, he held senior sales management positions at GFI Fenics. He was also involved with equity sales at Morgan Stanley, Societe Generale and Lehman Brothers.

Jutta Werner  
Head of Content Partners,  
Asia, Refinitiv

Jutta Werner is currently Head of Content Acquisition & Rights Management, APAC for Refinitiv. Her team manages the commercial & contractual relationships with any third party content suppliers to Refinitiv across the region, as well as handling related compliance issues. Her current base is Singapore and her previous roles in the company include Head of Third Party Content for Asia and Global head for the Reuters specialist data business based out of London between 2000 and 2004. In total she has 17 years of experience in the Market Data industry, covering both client facing and supplier facing roles in Sweden, France, the UK and Asia.

John White  
CEO, Investment Data  
Licensing Advisors

John is CEO and founder of Investment Data Licensing Advisors and a recognized market data and reference data executive with extensive experience in effectively managing global teams in various facets of investment data. His expertise includes; (i) third-party data management focusing on cost control, usage risk management, quality, operations and strategy; (ii) developing and implementing strong and extensive distributor networks over a broad array of distribution technologies and channels; (iii) leading industry recognized team in planning and implementation of client level audits and reporting to ensure data usage aligns with contractual terms.

Dr. Matt Woodhams  
Senior Managing  
Director, FENICS MD

Dr. Matt Woodhams joined GFI in 2000 and until recently oversaw product development, marketing and support of GFI’s trading platforms, their compliance with current regulatory requirements and commercial positioning for regulatory changes. Previously, he held various roles within the company including oversight of the FENICS business while based in New York.
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Deutsche Börse Group, headquartered in Germany, is one of the world’s leading exchange organisations with more than 5,000 employees. The group provides investors, financial institutions and corporations with access to global markets. It operates the international derivatives exchange Eurex as well as the leading European electronic securities trading platform Xetra.

The Market Data + Services business area provides decision makers around the globe with high quality data, indices and regulatory reporting services. The extensive product and service portfolio comprises real-time, ultra-low latency and historical trading data from the group’s own trading venues as well as from cooperation partners, real-time analytics, the renowned DAX and STOXX indices, as well as regulatory reporting services.

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For more information contact datasales@FENICS.com or visit www.FENICSmd.com
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TMX Group (TSX: X) operates cash and derivative markets and clearinghouses for multiple asset classes including equities and fixed income. Toronto Stock Exchange, TSX Venture Exchange, TSX Alpha Exchange, The Canadian Depository for Securities, Montréal Exchange, Canadian Derivatives Clearing Corporation, Trayport and other TMX Group companies provide listing markets, trading markets, clearing facilities, depository services, technology solutions, data products and other services to the global financial community. TMX Group is headquartered in Toronto and operates offices across North America (Montréal, Calgary, Vancouver and New York), as well as in key international markets including London, Beijing and Singapore. For more information about TMX Group, visit our website at www.tmx.com.

ACTIV Financial
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ACTIV Financial Systems is a global provider of real-time, multi-asset financial market data and solutions. ACTIV offers neutral, managed services for buy and sell-side firms and technology providers seeking a complete market data solution that encompasses both global content management and data delivery across the enterprise. With coverage spanning more than 150 equity and derivatives exchanges around the world, ACTIV is the only truly end-to-end, independent market data utility in the industry. Founded in 2002 by market data specialists, the firm is privately owned and has offices in Chicago, New York, Tokyo, Singapore and London.
Cboe Global Markets, Inc. ("Cboe Global Markets" or "Cboe") is one of the world’s largest exchange holding companies, offering cutting-edge trading and investment solutions to investors around the world. The company is committed to relentless innovation, connecting global markets with world-class technology, and providing seamless solutions that enhance the customer experience.

Cboe offers trading across a diverse range of products in multiple asset classes and geographies, including options, futures, U.S. and European equities, exchange-traded products (ETPs), global foreign exchange (FX) and multi-asset volatility products based on the Cboe Volatility Index (VIX Index), the world’s barometer for equity market volatility.

Cboe’s trading venues include the largest options exchange in the U.S. and the largest stock exchange by value traded in Europe. In addition, the company is the second-largest stock exchange operator in the U.S. and a leading market globally for ETP trading. The company is headquartered in Chicago with offices in Kansas City, New York, London, San Francisco, Singapore, Hong Kong and Ecuador.

CUSIP Global Services
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The financial services industry relies on CUSIP Global Services unrivaled experience in uniquely identifying instruments and entities to support efficient global capital markets. Its extensive focus on standardization over the past 45 years has helped CGS earn its reputation as a trusted originator of quality identifiers and descriptive data, ensuring that essential front- and back-office functions run smoothly. Relied upon worldwide as the industry standard provider of reliable, timely reference data, CGS is also a founding member and co-operates the Association of National Numbering Agencies (ANNA) Service Bureau, a global security and entity identifier database for over 34 million public and privately traded instruments, contributed by 92 national numbering agencies and 27 partner agencies representing 255 different countries. CGS is managed on behalf of the American Bankers Association (ABA) by S&P Global Market Intelligence, with a Board of Trustees that represents the voices of leading financial institutions.

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FactSet (NYSE:FDS | NASDAQ:FDS) delivers superior analytics, service, content, and technology to help more than 85,000 users see and seize opportunity sooner. We are committed to giving investment professionals the edge to outperform, with fresh perspectives, informed insights, and the industry-leading support of our dedicated specialists. We’re proud to have been recognized with multiple awards for our analytical and data-driven solutions and repeatedly ranked as one of Fortune’s 100 Best Companies to Work For and a Best Workplace in the United Kingdom and France. Subscribe to our thought leadership blog to get fresh insight delivered daily at insight.factset.com.
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At S&P Global Market Intelligence, we integrate financial and industry data, research and news into tools that help track performance, generate alpha, identify investment ideas, understand competitive and industry dynamics, perform valuation and assess credit risk. Investment professionals, government agencies, corporations and universities globally can gain the intelligence essential to making business and financial decisions with conviction. S&P Global Market Intelligence is a division of S&P Global (NYSE: SPGI).

TraditionDATA

TraditionDATA provides consistent, high-quality financial market data that reflects real price interest in global OTC swaps markets, covering Interest Rate Derivatives, Energy & Commodities, Credit & Fixed Income and FX & Money Markets.

Tradition is represented in more than 28 countries and is one of the world’s largest interdealer brokers in over-the-counter financial and commodity related products.

Real-time, intra-day, end-of-day and historical pricing originates from Tradition’s global brokerage business. In addition to comprehensive coverage of the most liquid markets, our extensive product and geographic coverage means we can penetrate illiquid markets to provide hard-to-find prices in developing products and regions.

Data can be delivered directly from Tradition or from one of our distribution partners, which include, among others, Bloomberg, ICE, NEX and Refinitiv.

TickSmith

ticksmith.com

TickSmith specializes in Big Data technology and believes the increase in quantity and variety of data is a once in a generation change in Capital Markets infrastructure requirements. Driven by more data intensive data requirements for trading, compliance, artificial intelligence and machine learning, there has never been so much traditional and alternative data to work with. TickSmith’s highly scalable platforms, built on open-source technologies, are crucial in today’s data-driven world.
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Amazon Web Services
aws.amazon.com

For almost 13 years, Amazon Web Services has been the world’s most comprehensive and broadly adopted cloud platform. AWS offers over 165 fully featured services for compute, storage, databases, networking, analytics, robotics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 60 Availability Zones (AZs) within 20 geographic regions, spanning the U.S., Australia, Brazil, Canada, China, France, Germany, India, Ireland, Japan, Korea, Singapore, Sweden, and the UK. Millions of customers, including the fastest-growing startups, largest enterprises, and leading government agencies, trust AWS to power their infrastructure, become more agile, and lower costs.

Crux
www.cruxinformatics.com

Financial firms today are all doing the same work to ingest, validate, standardize and store the same data over and over again. This work is difficult -- with enormous complexities -- and yet it doesn’t give them a competitive edge. Still, firms are spending ~80% of their time data wrangling and only 20% of their time on analysis and gleaning value from their data.

Crux is an industry utility that focuses exclusively on this work. Crux is able to deliver and operate data feeds at lower cost, more quickly, and at a consistent world-class level of service, while giving its customers full transparency into deep operational metadata. Crux reduces your costs, future proofs your operations and infrastructure, and allows you to focus on your competitive advantage.

SmartStream RDU
smartstreamrdu.com

Financial institutions are critically dependent on high quality reference data to ensure that they can successfully trade electronically, automate their operations and report accurately to regulators. Large institutions spend millions of dollars to improve data quality, fix data issues and manage the exceptions that occur due to bad data.

The SmartStream Reference Data Utility (RDU) offers a simple solution to satisfy those complex reference data needs, by providing a high quality security master built using industry best practises. The RDU is the product of an initiative developed in close association with demanding global institutions and has been proven to deliver dramatically better quality data at lower cost.
Xignite
xignite.com

Xignite Makes Market Data Easy. Xignite is leading the disruption of the market data industry with its cloud-based API and data distribution solutions. Xignite’s Market Data Cloud Platform provides full transparency on the usage of a firm’s first-level real-time and reference data - making it easy for market data owners to entitle, control consumption, comply with licensing requirements, allocate costs, and resolve vendor audits or invoice discrepancies. Xignite also powers financial data-driven robo-advisors, online brokerages, and investing apps with its real-time, delayed and historical pricing data offered via 500+ REST Cloud APIs.

Canadian Securities Exchange
www.thecse.com

The CSE is home to over 500 uniquely listed issues covering a broad range of industry sectors. The CSE provides trade execution, smart routing, risk management, compliance and market information services for Canadian listed instruments.

Recognized as an exchange by the Ontario Securities Commission in 2004, the CSE is designed to facilitate the capital formation process for public companies through a streamlined approach to company regulation that emphasizes disclosure and the provision of efficient secondary market trading services for investors.

Google Cloud
cloud.google.com/solutions/financial-services/

Google Cloud is widely recognized as a global leader in delivering a secure, open and intelligent enterprise cloud platform. We’re focused on building solutions in five key categories - Infrastructure Modernization, Data Management, Smart Business Analytics, AI and Machine Learning, and Collaboration - and are concentrating our efforts in ~15 global markets. Today, customers across more than 150 countries trust Google Cloud to modernize their computing environment for today's digital world. We are helping thousands of organizations, including many of the world’s largest companies, transform their businesses.
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HKEX is also the global leader in metals trading, through its wholly owned subsidiaries, The London Metal Exchange (LME) and LME Clear Limited. This commodity franchise was further enhanced with the launch of Qianhai Mercantile Exchange, in China, in 2018.

HKEX launched the pioneering Shanghai-Hong Kong Stock Connect programme in 2014, further expanded with the launch of Shenzhen Connect in 2016, and the launch of Bond Connect in 2017.

MarketAxess
www.marketaxess.com

MarketAxess operates a leading, institutional electronic trading platform delivering expanded liquidity opportunities, improved execution quality and significant cost savings across global fixed-income markets. More than 1,500 firms - comprising the world’s leading asset managers and institutional broker-dealers - traded a record $1.7 trillion of U.S. investment-grade bonds, U.S. high yield bonds, emerging market debt, Eurobonds and other fixed income securities through MarketAxess’ patented trading technology in 2018. MarketAxess’ award-winning Open Trading™ marketplace is regarded as the preferred all-to-all trading solution in the global credit markets, creating a unique liquidity pool for the broad range of credit market participants. Drawing on its deep data and analytical resources, MarketAxess enables automated trading solutions and, through its Trax® division, provides a range of pre- and post-trade services and products.

MarketAxess is headquartered in New York and has offices in London, Amsterdam, Boston, Chicago, Los Angeles, Miami, Salt Lake City, San Francisco, São Paulo, Hong Kong and Singapore.

Moody’s Analytics
www.moodys.com

Moody’s Analytics provides financial intelligence and analytical tools to help business leaders make better, faster decisions. Our deep risk expertise, expansive information resources, and innovative application of technology help our clients confidently navigate an evolving marketplace. We are known for our industry-leading and award-winning solutions, made up of research, data, software, and professional services, assembled to deliver a seamless customer experience. We create confidence in thousands of organizations worldwide, with our commitment to excellence, open mindset approach, and focus on meeting customer needs. For more information about Moody’s Analytics, visit our website or connect with us on Twitter or LinkedIn.
Morningstar, Inc.
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Morningstar, Inc. is a leading provider of independent investment research in North America, Europe, Australia, and Asia. Morningstar offers an extensive line of products and services for individual investors, financial advisors, asset managers, retirement plan providers and sponsors, and institutional investors in the private capital markets. Morningstar provides data and research insights on a wide range of investment offerings, including managed investment products, publicly listed companies, private capital markets, and real-time global market data. Morningstar also offers investment management services through its investment advisory subsidiaries, with over $193B in assets under advisement and management as of 12/31/18.

Nasdaq Global Information Services
www.nasdaq.com

Nasdaq Global Information Services (GIS) leverages reliable, scalable technology and robust distribution channels to provide comprehensive benchmarks and market analytical solutions across asset classes and regions. We promote market access by equipping investors with essential market transparency to make informed decisions. GIS provides innovative real-time and historical analytic products and intelligent solutions designed to tap new data sets and meet new industry challenges. In addition, Nasdaq Global Indexes span geographies and asset classes to support financial product sponsors across a wide spectrum of investable products and asset managers that measure risk and performance. Nasdaq Dorsey Wright makes GIS one of the largest index providers of Smart Beta strategies worldwide (based on AUM). Nasdaq’s eVestment provides a flexible suite of easy-to-use, cloud-based solutions to help the institutional investing community identify and capitalize on global investment trends, better select and monitor investment managers and more successfully enable asset managers to market their funds worldwide. Nasdaq’s Quandl is the largest provider of alternative data for financial professionals which sources, evaluates and productizes undiscovered data assets.

S&P Dow Jones Indices
spdji.com

S&P Dow Jones Indices, a division of S&P Global (NYSE: SPGI), is the largest global resource for essential index-based concepts, data and research, and home to iconic financial market indicators, such as the S&P 500® and the Dow Jones Industrial Average®. More assets are invested in products based on our indices than based on any other provider in the world. With over 1,000,000 indices and more than 120 years of experience constructing innovative and transparent solutions, S&P Dow Jones Indices defines the way investors measure and trade the markets. For more information, visit www.spdji.com
**TipRanks**
enterprise.tipranks.com

TipRanks is the most comprehensive datasets of analysts, hedge fund managers, financial bloggers, and corporate insiders. We’ve become the go-to tool for part-time to professional investors and everyone in the financial world.

TipRanks is a source of objective facts amid all of the opinion, spin, and conflicts of interest in the finance world. We empower investors by giving them access to the same technology that financial managers have.

Over the last few years we have gained global recognition and partnered with many industry leaders. As most our datasets are unique and proprietary (not available on any other platform) we are constantly reached out by retail banks and discount brokers who then integrate our tools via our API or iFrames. Our tools have a track record of increasing user engagement, education and trading activity and we have a remarkable track record of 100% - we never had one online broker that terminated our service since we opened our API, 5 years ago.

**TRG Screen**
www.trgrp.com

TRG Screen is uniquely positioned to offer the full spectrum of enterprise subscription management capabilities across:

- **Spend** – FITS & INFOmatch (inbound licensing)
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- **Requests & Workflows** – Quest
- **Revenue** – INFOmatch (outbound licensing)
- **Content & Exchange Services** – AXON
- **Managed Services & Consulting**

TRG Screen is differentiated by its ability to comprehensively monitor both spend on & usage of data and information services including market data, research, software licensing, and other corporate expenses to optimize enterprise subscriptions, for a global client base.

TRG Screen’s clients realize immediate ROI and significant long-term cost savings, transparency into their purchased subscriptions, improvements of their workflows and a higher degree of compliance with their vendor contracts.

Our global client base consists of more than 750 financial institutions, law firms, professional services firms and other blue-chip enterprises that jointly manage more than $6.0 billion of subscription spend using TRG Screen’s software solutions.

TRG was founded in 1998 by a group of financial technology executives passionate about helping firms manage their high value data subscriptions.

**GlobalTrading**
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GlobalTrading’s FIXGlobal.com is the official publication of the FIX Trading Community, the non-profit, industry-driven standards body at the heart of global trading. Content published on GlobalTrading’s FIXGlobal.com platform comes directly from expert market participants, including asset managers, brokerages, investment banks, regulators and service providers.

**Markets Media**
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Markets Media was launched in 2007 to provide sophisticated, in-depth content spanning all sectors of the securities industry, delivered across a synergistic platform of print, online and events.
Establish your credentials in the increasingly complex and competitive financial information industry.

FISD provides certification that...

- Expanded my knowledge of the market data business
- Showed my client I knew what I was talking about
- Gave me the confidence to succeed
- Helped me broaden my knowledge
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- Got me the promotion
- Sets the standard
- Got me the job
- Set me apart

**Candidate Benefits**

- **Be guided** – by a clearly-structured and well-articulated syllabus designed by industry experts with a practical vision of what is needed in today’s workplace.
- **Be recognized** – for seeking to expand your knowledge of a broad range of highly relevant issues facing the market and reference data workforce.
- **Be rewarded** – for your hard work, your intellectual rigor, and for differentiating yourself in the workplace.

**Employer Benefits**

- **Recruit more effectively** – identify the best staff by using additional meaningful and trustworthy information on which to base your decisions.
- **Improve productivity** – enhance your staff’s career development as they acquire new skills and expand their understanding of the complex operating environment of the financial information industry. You gain a more capable, effective and productive workforce.

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