

2nd Edition

AI IN PAYMENTS & FRAUD RISK MANAGEMENT

SUMMIT

JUNE | 24TH - 25TH | 2021 ON-SCREEN CONNECT | AMERICAS

DataStax

Only dedicated conference-expo on the future evolution of AI in Payments, AML and Fraud Risk Management

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Obtain latest Insights From **20+** Leading Speakers & Industry Experts



Alvin Richards
Field CTO

Datastax



Sree Pradhip
Data Architect

DataStax



Ati Azemoun
VP of Business Development

Parascript



Stuart Cook
Chief Digital Product Officer

Valley Bank



Manuela Veloso
Head of AI Research

J.P. Morgan Chase



Francisco Rivadeneyra
Director, CBDC and FinTech Policy

Bank of Canada



Gustavo Botelho de Souza
AI Tech Leader

Banco do Brasil



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Anne Archer
Director Enterprise Fraud Strategy

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Shane Artis
Distinguished Engineer, Executive Director

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Director - Advanced Analytics & AI

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Lian Yu
VP, Model Risk Management

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Masha Cilliers
Payment Industry Specialist

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Jennifer Yager
AML Compliance Manager

Valley Bank



Aldo Finetti
Director de IA

TKAIX



Frank Badalamenti
Principal

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Welcome

Dear Colleagues,

Artificial Intelligence (AI) is here for quite some time and is successfully being used in banking applications like Fraud Analysis and Customer Risk Scoring but with a limited scope. With such high expectations for the technology in payments and in myriad other industries, what will AI actually mean for consumers and merchants? What types of problems do payments technology companies and financial institutions expect to solve by deploying AI and other similar technologies?

AI and machine learning is quickly becoming a valuable tool for payments companies and financial institutions to reduce fraud in all environments, but particularly in securing e-commerce transactions. Through machine learning algorithms, payments companies can analyze more data in new and innovative ways to identify fraudulent activity. With AI and ML, payments companies can search rapidly and efficiently through this data beyond the standard set of factors like time, velocity and amount.

Through our research we have identified that the Payment Industry is on the cusp of reforms and players are eager to implement AI for efficient payment processing. There are many areas within payment processing where AI has a great potential to succeed.

Therefore, we are proud to organise a global series which focuses on the use of AI in Payments and focuses on not only the pros of AI but also it's cons and discusses how banks can counter frauds through the use of AI in this unique event, Artificial Intelligence in Payments and Fraud Risk Management Virtual Symposium.

This set of global series will be jointly represented by **20+** leading speakers and it aims to gather about **upto 200** qualified attendees (mostly from banks, regulators, merchants, corporates and innovative FinTech companies) across **2** shows who are looking to stay ahead of the curve, here we provide you an opportunity of sharing knowledge for **9+** hrs at each event.

We invite you to come participate and engage at this virtual symposium.

Warm welcome!



Kinfos
EVENTS

Parry Batta
Conference Director
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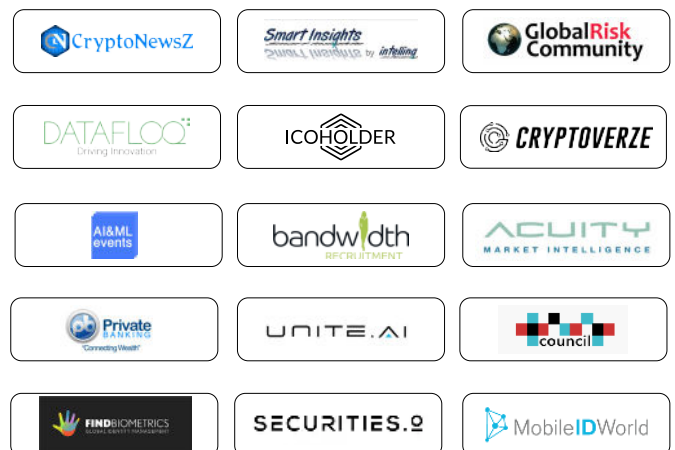
DataStax is the open, multi-cloud stack for modern data apps. DataStax gives enterprises the freedom of choice, simplicity, and true cloud economics to deploy massive data, delivered via APIs, powering rich interactions on multi-cloud, open source and Kubernetes.

Keynote Sponsor



Parascript software automates the interpretation of contextual information from image and document-based data to support financial services, government agencies, and the healthcare industry, processing over 100 billion documents annually. Parascript creates best-in-class AI software that streamlines access to your data with unequaled precision.

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Featured Speakers



Sree Pradhip
Data Architect

Sree Pradhip has over 20 years of diverse experience in IT across Engineering, Product Management, Consulting and Sales functions. He has worked across many industry verticals with a passion for solving business problems leveraging technology. As a Data Architect at DataStax, his current focus is to enable Enterprises and Developers in their data driven journey. He leads the Industry Verticals program to further strengthen DataStax's position in Banking and Financial Services.



Alvin Richards
Field CTO

Alvin an Engineer who likes to talk to people. That means for the last 10+ years I have sat in a spectrum of roles between Engineering, Product, Field and Marketing. I join the dots between the teams, but have the ability to connect and build relationship with communities, developers, Cxx staff... and bring what I learn back in house.

That ensures we build the right products and services, enable the field to succeed with the right motions, create the right campaigns to bring the right audience, have the market and analysts understand what and why we are going in the direction we are heading.

9:30 Conference Chair's Opening Remarks

Masha Cilliers | Payment Industry Specialist | [Be](#) | [Shaping the Future UK](#)

SESSION 1

9:40 Morning Power – Hour Panel

- The rise of AI: current state of play for AI payments in Americas?
- What role does AI & ML play in changing the payments landscape?
- What is the current level of AI maturity in financial services (FS)?
- To what extent does the maturity vary by industry and geography?
- What are the most significant skills-based, data and structural challenges? Why artificial intelligence is a game changer for risk management?
- How the pandemic has contributed to raising level of Fraud?
- How AI and Machine Learning helping to prevent Money Laundering?
- How AI is Impacting AML and KYC Compliance?
- How AI can significantly reduce false positives in the AML Process?
- What are the real-world applications in risk management use cases?
- AI FRM: "detect and repair" Vs "predict and prevent"
- Effective strategies of using AI to detect and prevent fraud in real-time?
- What are Hybrid AI approaches to payment fraud prevention?
- How AI in payment validation & financial fraud detection is saving losses?
- AI in Retail credit scoring, behavioural analysis and customer segmentation How AI can enhance a frictionless and enriched payment user experience?
- Combining AI and ML for creating customized e-commerce UX
- Where FIs can apply cognitive analytics?
- What are the top use cases of AI for capital markets and wholesale banking? Moving from ideation to implementation
- Why AI is favoured for data management?
- How does a payment validation avoid failed payments?
- Banks FIs are leveraging AI for faster, cheaper and more efficient Onboarding?
- CRM intelligence: How AI Is Revolutionizing CRM in banking?
- What are the darker sides of the AI technology?
- How do FIs measure the ROI of AI?
- How FIs are leveraging AI to make Faster-Payments safer?

Enrico Gianotti | Lead Data Scientist – Fraud & AML | [Banco Bradesco](#)

Musa Kajee | Sr. Manager, Analytics | [TD](#)

Frank Badalamenti | Principal | [PwC](#)

Venediktos Iroidis | Payments Consultant | [Be](#) | [UK](#)

Masha Cilliers | Payment Industry Specialist | [Be](#) | [UK](#) (Moderator)

10:40 System of Engagement for Fast Data

For Banking and Financial Services companies, post-Covid era with new ways of living and working are releasing a whole new ocean of data that could overwhelm legacy platforms – or create opportunities to build contextually rich data ecosystems that enable great experiences. The webinar gives insights into how the world's biggest banks and financial services enterprises leverage the world's most scalable data stack for their real-world use cases. In this webinar the following topics will be covered:

- Industry Trends in Banking and Financial Services
- Banking and Financial Services Applications
- The Open Data Stack for the Future
- Enterprise Success for DataStax in Banking and Financial Services
- AI-ML based Fraud Detection in Payment Processing

Sree Pradhip | Data Architect | [DataStax](#) (Title Sponsor)

Alvin Richards | Field CTO | [DataStax](#) (Title Sponsor)

11:00 Can Financial Institutions sustain the shift to digital channels post-pandemic?

- Become a digital native organization, including digital security as a competence.
 - Using AI and ML to protect against fraud in digital channels.
 - Rethinking customer journeys, focusing on customers digital experience, and the role of AI in human centered digital propositions
 - Customer propositions can no longer be static and one-size-fits-all to sustain the shift
 - How AI is changing customer engagement and smart servicing in digital channels
- Stuart Cook | Chief Digital Product Officer | [Valley Bank](#)

11:20 AI in Finance: Scope and Examples

Abstract: AI enables principled representation of knowledge, complex strategy optimization, learning from data, and support to human decision making. I will present examples and discuss the scope of AI in our research in the finance domain.

Manuela Veloso | Head of AI Research | [JP Morgan](#)

11:40 Virtual Networking and Coffee Break 

SESSION 2

12:00 AI for liquidity management operations

- How can AI be used in liquidity and liquidity management?
- Is it coming soon or already here?
- How can banks train algorithms for this purpose?
- Could there be financial stability implications of many market participants using these types of algorithms? Is there a role for regulators?

Francisco Rivadeneira | Director, CBDC and FinTech Policy | [Bank of Canada](#)

12:20 Risk management of frequently re-trained fraud models

- Intro: Methodologies differ to depict different levels of interactions and system-wide fraud management.
- Wells Fargo model risk management involves the evaluation of specific uses
- The general question: How can model risk management align its review processes with (a) model version changes, (b) changing business uses, (c) performance changes that trigger reviews?

Lian Yu | VP, Model Risk Management | [Wells fargo](#)

12:40 How is AI Disrupting the Landscape of Fraud Detection?

Traditionally, financial institutions used rule-based engines to identify and prevent a majority of fraud attacks. Now-a-days, many companies are exploring the Artificial Intelligence (AI) based solutions to deal with the complex problem of fraud detection. As technology penetrates every sphere of our modern life, the scale and severity of fraud attacks have increased substantially – both in dollar value and technological sophistication. Fraudsters, in the current age of digital transformation, use improved technology including distributed networks, big data, and AI to locate vulnerable accounts, and as a result of this, the nature of fraudulent attacks are becoming extremely sophisticated. In this talk, mathematical challenges to prevent fraud will be discussed with relevant case studies that financial institutions are using in operations. Additionally, future direction and research that is advancing the fraud detection landscape will also be presented.

Vishal Srivastava | Vice President | [Citi](#)

13:00 Conference Chair's Closing Remarks

Masha Cilliers | Payment Industry Specialist | [Be](#) | [Shaping the Future UK](#)

13:10 Closing Remarks

9:30 Conference Chair's Opening Remarks

Ritesh Jain | Co-Founder | [Infynit](#)

SESSION 1

9:40 Morning Power – Hour Panel

- How COVID has sped up AI in payments for banking sector?
- Re-examining risk management with advanced analytics and AI.
- Next-generation AI for fraud risk assessment, Anti-money laundering violations
- Minimising fraud risk through Realtime analysis and validation of customer data
- A digital workforce for faster and more secured transactions.
- Chatbots and conversational AI to help customers at every step
- Who benefits from AI, and could it result in a decrease in human-human interaction and employment issues?
- How Consumer Payment preferences are shaping commerce?
- How can we implement AI in auditing?
- AI in Payments: What are the key barriers to entry? Accelerating Digital Payments adoption
- Modern use cases and best practices for quantitative finance
- How AI/ ML gives a major competitive advantage in Algorithmic Trading?
- From Data Protection to Digital Transformation – The Innovation Journey for Today's Big Banks. How can AI make users Financially Healthy?
- Will payments industry shift to a bot-powered frontline in customer service?
- Hyper personalized approach to payments and lending : The Perfect Win:Win Situation?
- The best data & software mix for efficient onboarding and KYC process
- How False Positives and risk can be reduced in an explainable way by new technologies?
- How AI helps bank offer personalised Banking experience ?

Alvin Richards | Field CTO | [DataStax](#) (Title Sponsor)

Shane Artis | Distinguished Engineer, Executive Director | [Morgan Stanley](#)

James Lee | MD, Analytics and Cloud Transformation | [PwC](#)

Jennifer Yager | AML Compliance Manager | [Valley Bank](#)

Ritesh Jain | Co-Founder | [Infynit](#) (Moderator)

10:40 Recognition Technology, AI, in Fraud & Risk Solutions

The fight against fraud requires holistic and comprehensive data analysis. Recognition technology captures data from scanned images, such as payment documents, allowing for deeper analysis on all transactions. Advancements in AI and ML based approaches have helped set new solutions to combat fraud. In this session, Ati Azemoun describes how the use of recognition technology for advanced data capture helps sophisticated systems to do more in the fight against payment fraud, particularly in the area of Check Fraud and signature verification systems.

Ati Azemoun | VP of Business Development | [Parascript](#) (Keynote Sponsor)

11:00 Customers and Fraud under analytics view

- Machine Learning Links to Customers
- What can we say about Machine Learning and AI
- What we can say about Customer Centricity
- How do we bring Customer Into Machine Learning
- How much data is too much data

Francisco Roche | Business Intelligence & Analytics Manager, SVP | [Amerant Bank](#)

11:20 Banking Fraud Risk management

- The current use-cases and benefits of AI / ML The challenges of adoption
- How it provides an outlook of future directions.

Anne Archer | Director Enterprise Fraud Strategy | [Atlantic Union Bank](#)

11:40 Virtual Networking and Coffee Break 

SESSION 2

12:00 Natural Language Processing solutions for improving customer experience at Banco do Brasil

Chatbots (Natural Language Processing) solutions Banco do Brasil developed that allow customers to renegotiate their debts through WhatsApp without needing to talking to a person (which some-times can be embarrassing). How the bank allows solving problems and making transfers through the new transfer Brazilian system (Pix) by WhatsApp.

Gustavo Botelho de Souza | AI Tech Leader | [Banco do Brasil](#)

12:20 Opportunities and Challenges to Transform the Core Business Function Areas in Finance using AI

Financial institutions have already started to embrace AI as a part of their core business strategy. The AI investments are not only focused on enhancing the customer and risk controls analytics but also to transform and modernize their core business function areas. The AI technologies (Automation, ML, NLP, Deep Learning etc) combined with the unprecedented amount of data are helping to increase the operational efficiencies and reduction in cost while mitigating Risk and Compliance issues by creating timely awareness and preventative measures. This talk will touch upon the challenges to establish the AI framework i.e. how to start a journey from foundational analytics to advanced analytics; processes and methodologies to identify and prioritize the business problems those can be solve and scale quickly across business function areas. It will include the POCs of various types of analytics (Self-serving analytics, ML & NLP) with real examples from function areas such as Technology, Finance, Audit & HR.

Dr. Nitesh Soni | Director – Advanced Analytics & AI | [Scotiabank](#)

12:40 Different view in UX from the retail banking perspective

The most important trend for retail banks was eliminating friction in the customer journey in 2018. Customers decide whether they want to stay or to leave banks depending on how well they are served by mobile banking. To reduce friction, the FinTech design aims to create a more enjoyable experience. For banks and cooperatives to be successful in 2021, it is important not only to think about usability and integration, but also personalised, positive experiences and forms of emotional attachment. To achieve this, we need to use emotional UX design to Connect Experience with adventure and rational fast solutions in a high creativity and friendly path. Discover an amazing list of AI design tools and see the new trends to highlight the possibilities for designing UX financial systems and reveal products as diverse as core banking, neobank, challenger bank, wealth management, corporate finance, retail banking, ATM, credit scores, VR / AR and mixed reality banking.

Aldo Finetti | Director de IA | [TKAIX](#)

13:00 Conference Chair's Closing Remarks

Ritesh Jain | Co-Founder | [Infynit](#)

13:10 Virtual Networking

Conference Ends

