

Introduction to Blockchain and Airport Operations in a COVID-19 Environment

AN ACRP VIRTUAL INSIGHT EVENT **=** AUGUST 4 & 5, 2020



Join ACRP and leading airport and blockchain experts for a virtual Insight Event on Introduction to Blockchain and Airport Operations in a COVID-19 Environment. Subject matter experts will present on blockchain technology and airport operations with a special focus on potential blockchain uses and real-world applications to address challenges associated with public health concerns, including COVID-19.

What is on the Agenda?

During two afternoon webinars, the event will provide an introduction to blockchain technology and interactive panel discussions on its application to airports.

August 4, 2020: BLOCKCHAIN AND AIRPORTS

- What Is Blockchain and How It Is Relevant to Airports?
- Blockchain Applications in Use at Airports Customerand Operations-Facing Applications

August 5, 2020: BLOCKCHAIN, AIRPORT OPERATIONS, AND COVID-19 RESPONSE

- Provenance Tracking
- Privacy Concerns
- Data Sharing

Featured Speakers:

- John Payne, CEO & Principal Consultant, Pueblo Technology Group, Inc.
- Victoria Adams, CEO & Founder, Cadwyn Bloc LLC
- Sherry Stein, Head of Technology Strategy, Americas, SITA
- Solomon Wong, President & CEO, InterVISTAS
- Silvio Pupo, CEO, Logos Capital Group

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TDANSDODTATION

Introduction to Blockchain and Airport Operations in a COVID-19 Environment

Date	Time	Session Title	Speakers	Description
Session 1: Blockchain Basics				
	1:00 PM EST	Opening Remarks		
August 4, 2020	1:15 PM EST	What is Blockchain and How is it Relevant to the Airport Industry?	 John Payne, Pueblo Technology Group, Inc. Victoria Adams, Cadwyn Bloc LLC Nelson Petracek, TIBCO Software, Inc. 	A "Blockchain 101" style overview, with high-level examples of use cases from and potential applications for airports.
	2:30 PM EST	Blockchain in Use at Airports - Customer-Facing Applications	 Xiaochen Zhang, Wemerge Capital Brian Xin, XingHanDa Technologies & ElastosDMA Project Dan Mapes, Verses Labs 	Panel discussion on baggage handling, security, and ticketing applications.
	3:30 PM EST	Blockchain in Use at Airports - Operations-Facing Applications	 Maurice Jenkins, Miami Dade County, Aviation Department Amar More, Kale Logistics Solutions Silvio Pupo, Logos Capital Group Christophe Ancolio, Amadeus Stephen Leng, EquiNordic Group Sherry Stein, SITA 	Panel discussion on maintenance, cargo tracking, and regulatory compliance applications.
Session 2: Potential Applications for Blockchain at Airports in a COVID-19 Environment				
August 5, 2020	1:00 PM EST	Provenance Tracking	 Victoria Adams, Cadwyn Bloc LLC Mike McCoy, ConsenSysHealth Vincent Annunziato, U.S. Customs & Border Protection Jim St. Clair, Dinocrates Group LLC 	Panel presentations on how blockchain can help manage the integrity of medical supplies and ensure the provenance of key pandemic-fighting resources.
	2:00 PM EST	Privacy Concerns	 Erich Dylus, Vedder Price Jesse Leimgruber, Bloom Protocol Solomon Wong, InterVISTAS Shannon Wu, Identity Review Thomas Plofchan, Pangiam 	Panel presentations on how blockchain can help increase information sharing while recognizing passenger, airline, airport, and public health information needs and rights.
	3:00 PM EST	Data Sharing	 Siegy Adler, SC Adler & Associates Kevin O'Sullivan, SITA Silvio Pupo, Logos Capital Group Simon Brown, Heathrow 	Panel presentations on how blockchain can provide a means to track and share infection status and, if necessary, support contact tracing while protecting privacy rights.
	4:00 PM EST	Wrap Up		

FEATURED SPEAKERS

Introduction to Blockchain and Airport Operations in a COVID-19 Environment An ACRP Virtual Insight Event August 4–5, 2020

Day 1: Opening Remarks



Neil Pedersen has been Executive Director of the Transportation Research Board (TRB) since 2015. He provides executive direction and leadership to TRB's technical activities, including the annual meeting of over 13,000 transportation professionals, more than 200 technical committees, conferences, publications, peer-reviewed policy consensus studies, and multimodal cooperative research programs. Before joining TRB, Mr. Pedersen spent 29 years at the Maryland Department of Transportation—the last eight of them as State Highway Administrator and Governor's Highway Safety Representative. Over his career, he

has been involved in volunteer leadership roles in both TRB and the American Association of Transportation Officials (AASHTO). He chaired a number of TRB and AASHTO committees, including TRB's Executive Committee in 2011.



Theresia Schatz, A.A.E., is an ACRP SPO with more than 30 years of aviation industry experience. Before managing research projects for ACRP, she worked for The Port Authority of New York and New Jersey in various supervisory and managerial positions entailing airport operations, administration, and property management at JFK, Newark Liberty, and LaGuardia airports. She is an Accredited Airport Executive through AAAE and holds a B.S. in aviation management from the Florida Institute of Technology, an M.B.A.

from Baruch College, City University of New York, and an A.A.S. in aerospace technology from Farmingdale College, State University of New York.



Cathryn Stephens, A.A.E., is the Acting Airport Director for Eugene Airport in Oregon. An Accredited Airport Executive, Ms. Stephens serves on the American Association of Airport Executives Board of Directors and as chair of the AAAE Diversity Committee. She is past president of the Northwest Chapter of AAAE and of the Oregon Airport Management Association. She has also served on the Oregon Department of Aviation Rulemaking Advisory Committee. Ms. Stephens holds a courtesy faculty appointment at Oregon State University, co-teaching "Airport Planning and Design," a graduate-level course for the Civil Engineering

Department. She holds a B.S. in technical journalism from OSU and an M.S. in applied information management from the University of Oregon. Ms. Stephens is a member of the Travel Lane County Board of Directors and the Eugene Area Chamber of Commerce Economic Development Commission. For the Transportation Research Board, Ms. Stephens has participated on several ACRP panels and serves as a member of the ACRP Oversight Committee.

Day 1: What Is Blockchain and How Is It Relevant to the Airport Industry?



John Payne (Event Planning Committee chair) is a business leader with over 20 years of experience in technology and information management. He is the CEO and principal consultant for Pueblo Technology Group, Inc., a management consulting firm that serves technology providers and the public sector transportation industry. Clients include Boingo, Deutsche Telekom, Intel, Siemens, Oracle, SITA, and domestic and global airports. He spent 10 years in public sector IT as the CIO of San Francisco International Airport, where he established and then oversaw front and back office operations. Before starting Pueblo

Technology Group, Mr. Payne held senior technology management positions in business and software development for several VC-funded internet startups and network architecture positions with DHL WorldWide Express and Charles Schwab & Company. Mr. Payne has presented to the FCC as an expert witness, is a guest lecturer at the National Defense University's Information College in Washington and the University of California at Berkeley's Haas School of Business and participates in ACRP as a subject matter expert.



Dr. Victoria Adams (event rapporteur) is a blockchain expert with more than 30 years' experience working in the technology and consulting industry. Most recently, Dr. Adams led the public sector group at ConsenSys, a leading firm in the blockchain space, focusing on transportation, supply chain, and privacy issues. She previously led Booz Allen Hamilton's blockchain group and worked extensively with the U.S. Department of Transportation on emerging technology issues. Dr. Adams has consulted for all major federal agencies and many Fortune 500 companies and is a recognized thought leader on

blockchain GovTech. She is featured regularly in leading publications and has spoken at more than 100 U.S. and international conferences and meetings on blockchain and the public sector, including the World Economic Forum's annual Davos meeting. She is the author of numerous articles and think pieces on blockchain, serves as CTO at the Value Technology Foundation, and has founded her own blockchain startup that is developing technology for the public sector financial system.



Nelson Petracek, Chief Technology Officer of TIBCO Software, helps shape the development of TIBCO's technology platforms and products. With over 20 years of experience, Mr. Petracek works to deliver solutions for the digital transformation age, drawing upon his deep knowledge of APIs, cloud, event-driven architectures, blockchain, and analytical applications. A technology evangelist, author, and frequent speaker, he works with customers on the practical use of technologies and architectures and advises on

various information creation and delivery patterns. He holds a Bachelor's of Commerce in Computational Science from the University of Saskatchewan.

Day 1: Blockchain in Use at Airports—Customer-Facing Applications



Xiaochen Zhang (moderator) is a partner at Wemerge Capital, a chairman of the DeFi Alliance, and a member of the UN ESCAP Digital Economy Task Force and Green Business Task Force. Listed as one of the top 100 blockchain influencers by Lattice80, Mr. Zhang leads the design and implementation of FinTech4Goods's strategy to introduce the most disruptive technological innovations in frontier markets. As a trusted figure in the digital economy and blockchain, he addressed 100+ high-level international forums as a keynote

speaker and produced three blockchain and Fintech shows with 500,000+ followers. He worked with many portfolio companies in launching new offers, entering into new markets, and building transformative collaborative initiatives with the most reputable organizations from all over the world. In the past 18 years, Mr. Zhang has built strong collaborations with government agencies, multinational organizations, and financial institutions through work with the World Bank, United Nations, Inter-American Development Bank, Astana International Finance Center, Israeli Blockchain Association, IIB Council, Crowdfunding Professional Association, and many other international platforms. He holds a master's degree in global studies from Leipzig University.



Dan Mapes is a founder of the spatial computing company - VERSES.io - and is a founder and architect of The Spatial Web and the Spatial Web Foundation, the next generation of the Internet. He has spent over 20 years at the intersection of internet technology and entertainment as an entrepreneur and inventor. His technology interests range from gaming to virtual reality and from blockchain to artificial intelligence. He is the Founder

and CEO of Cyberlab9.com, a Global Deep Tech Lab with offices in California, China, and Holland. Cyberlab focuses on IoT, blockchain, virtual reality and AI. As CEO, he has led projects with the UN, UNDP, UNESCO, Nobel Committee, Asia-Pacific Economic Cooperation, Gorbachev Foundation, and the Obama Campaign and produced the First Summit Meeting on the Internet between Nelson Mandela and Shimon Peres. Mr. Mapes has also been a technology advisor to the governments of China, Brazil, Chile, Philippines, Saudi Arabia, and Australia. He has been a New Media consultant to Apple, Intel, Shanghai Media, and other technology and entertainment companies.



Weimin (Brian) Xin founded Xing Han Da Technologies in 2010 in Shanghai, China. The company provides social marketing and e-commerce solutions and services to businesses and individuals in local lifestyle, service e-commerce (O2O), metro transportation, healthcare data, hotels tech, and travel tech sectors. It uses emerging technologies, such as blockchain, big data, and AI to empower and incubate the next generation of business platforms and applications. Brian and other industrial leaders launched a "data"

capitalization initiative" in 2019 and released the GreenPass solution in April of 2020. GreenPass is a non-profit open solution to help the global population deal with COVID-19 mitigation and the economy reopen in the new norm with personal privacy in mind. Brian is a serial entrepreneur. Before founding founded StarryMedia, he played key roles in several companies, such as CTO of Microsoft MSN China, CTO of iKang (healthcare management), and VP of technology of Linktone (wireless value-added services). He received BSEE (1993) and MSEE (1996) degrees from Tsinghua University. He is the member of TEEC (Tsinghua Entrepreneur and Executive Club), the co-chair of TEEC Blockchain and Digital Economy Committee, and the founding member of "Data Capitalization Initiatives." He also served as the president of Tsinghua Alumni Association of Northern California.

Day 1: Blockchain in Use at Airports—Operations-Facing Applications



Maurice Jenkins (moderator) graduated from the University of Miami with a bachelor's degree in business and computer information systems. He also holds certifications in strategic management from FIU and human resource management from Nova Southeastern University. He has also served as the chairman of the Business Information Technology Committee, established by Airports Council International to set strategic technology objectives for airports. He was also responsible for forming and served as chairman of the Florida Airports Council's Information Technology committee. Mr. Jenkins has given

presentations on implementation solutions to key IT leaders and airport IT conferences in the United States and internationally, sharing his proven successful practices with his peer group. He is actively engaged in new and evolving innovations and is the primary lead on the Aviation/Seaport Blockchain Initiative.



Christophe Ancolio is an innovation manager at Amadeus, responsible for business development of innovative projects. Previously at Amadeus, he led blockchain strategic innovations and launched blockchain pilots to track baggage for major airlines. Before joining Amadeus, Mr. Ancolio founded Playadz, a web and mobile advertising company he sold to Randstad. While at Philips, Mr. Ancolio had different roles in the semiconductor industry, from product marketing to business development and account management. He holds a master's degree in IT and telecommunication and an M.B.A. from Edhec Business School.



Amar More is an accomplished professional with over 20 years of experience in supply chain, consulting, and technology. He is on the panel of trade facilitation experts at the UN Economic Commission of Europe. He has been elected to represent the technology domain in the air cargo industry on the board of directors of the Miami-based International Air Cargo Association, which presents the voice of the global air cargo industry to the regulators. He is the youngest board member—and the first from the technology industry—to be appointed

to this prominent global industry association's board. He is on the Confederation of Indian Industries' Task Force for Ease of Doing Business 2018–19. He also serves on the National Committee on Logistics for the Federation of Indian Chambers of Commerce and Industry. Mr. More's passion is to bridge the technology gap between the developed and developing logistics industries globally; his talented and passionate team at Kale Logistics has developed disruptive new-generation technology solutions that are transforming the logistics industry and raising the level of technology adoption in the SME sector of the logistics industry in India and globally. Mr. More holds a bachelor's degree in electrical engineering and an M.B.A. in supply chain management from India's premier institute, NITIE.



Stephen Leng is the Managing Director of Equinordic UK, part of the Equinordic Group, which provides advanced technology solutions for the aviation, logistics, retail, and manufacturing industries. He previously served as the Global Consumer Industry Lead for Blockchain at IBM, working with an ecosystem of clients, regulatory bodies, and industry to help establish IBM's Blockchain platforms for Logistics ("Tradelens"), Food Safety ("FoodTrust"), and Blockchain-based solutions addressing challenges in areas such as counterfeiting, trade finance, and invoice matching. Mr. Leng has previously held

management roles for IBM Consulting, PWC, CVS/Pharmacy and J Sainsbury. His passion is working on the practical application of the emerging technologies of IOT, AI, and Blockchain that can create new business value and transformation opportunities for all network partners. Mr. Leng is a member of the Auto ID Consortium, involved in developing the potential of RFID for broad industry use to address a wide range of use cases.



Sherry Stein has more than 20 years of travel technology experience and a passion for business transformation and innovation. As head of technology strategy at SITA, she is responsible for ensuring that SITA's technology solutions meet the needs of airlines, airports, governments, and other aviation stakeholders across the Americas. Ms. Stein joined SITA Lab, the company's research and development arm, in 2015; there she led programs focused on co-innovation with industry partners to evaluate blockchain,

biometrics, and digital data technologies as tools to create a safe and seamless journey. Before joining SITA, she served as the Director of New Product Delivery, where she led the creation of new product offerings for airline industry customers. A frequent speaker at industry events, Ms. Stein is actively involved in government relations, customer initiatives, and industry partnerships focused on using biometrics and the latest technologies to build collaboration frameworks that simplify travel processes, improve security, and transform the passenger experience. Sherry holds her M.B.A. from Georgia State University's J. Mack Robinson College of Business, as well as a Certificate in Innovation and Design Thinking from GSU, hosted at Oxford University in England.

Day 2: Provenance Tracking



Dr. Victoria Adams (event rapporteur) is a blockchain expert with more than 30 years' experience working in the technology and consulting industry. Most recently, Dr. Adams led the public sector group at ConsenSys, a leading firm in the blockchain space, focusing on transportation, supply chain, and privacy issues. She previously led Booz Allen Hamilton's blockchain group and worked extensively with the U.S. Department of Transportation on emerging technology issues. Dr. Adams has consulted for all major federal agencies and many Fortune 500 companies and is a recognized thought leader on

blockchain GovTech. She is featured regularly in leading publications and has spoken at more than 100 U.S. and international conferences and meetings on blockchain and the public sector, including the World Economic Forum's annual Davos meeting. She is the author of numerous articles and think pieces on blockchain, serves as CTO at the Value Technology Foundation, and has founded her own blockchain startup that is developing technology for the public sector financial system.



Vincent Annunziato has over twenty years' experience with Customs and Border Protection (CBP). He began his career in 1996 as an Officer at the port of Los Angeles and in 2004 began working as a Subject Matter Expert (SME) for the Automated Commercial Environment (ACE) program. Mr. Annunziato has led many high-profile projects with such notable releases as the Partner Government Agency (PGA) Single Window, Cargo Release, and Free and Secure Trade (FAST) and most recently several Blockchain Proof of Concepts. Currently, Director Annunziato oversees the Business

Transformation and Innovation division which researches and tests innovative products for the Office of Trade.



As CTO, **Jim St. Clair** leads the Dinocrates Transformational Technology Services to assist public and private sector clients understand and adopt the latest advances in Blockchain, artificial intelligence, robotic process automation, and cloud technologies. Jim recently founded the Institute for Healthcare Financial Technology (IHFT), a non-profit organization dedicated to improving the healthcare value chain to reduce costs and streamline access and delivery of healthcare. IHFT builds on the innovations of financial, insurance, and healthcare technology, especially in such concepts as distributed ledgers, blockchain, Robotic Process Automation, and Artificial Intelligence. Jim is a 2019

FedHealth IT 100 winner, active in the Healthcare Committee for the Government Blockchain Association, and co-lead of the HIMSS Healthcare Blockchain Working Group. He is an advisor to multiple healthcare Blockchain start-ups and guest lectures on blockchain and technology at universities and industry. Jim is a veteran and former naval officer, having served in both active and reserve capacities.

Day 2: Privacy Concerns



Erich Dylus (moderator) is a global transportation finance associate at Vedder Price PC, where he works on business and commercial aviation leasing and financing transactions. He is deeply interested in the fourth industrial revolution, blockchain, and smart contracts and published "International Blockchain Registry of Mobile Assets," on potential efficiency and security solutions for the tokenization of internationally registered aircraft and interests therein to prevent duplicate registrations, ensure transparency and traceability, and permit future inclusion into smart contract-integrated transactions and closings. Mr. Dylus foresees

blockchain and smart contracts expediting, securing, and cost-minimizing aircraft maintenance recordation and tracking, registry and regulatory compliance, closing processes in transactions, and airport logistics.



Solomon Wong is President and CEO of InterVISTAS, a global consulting firm with services in market analyses, policy development, planning and strategies in the movement of people and goods. Mr. Wong is an expert on regulatory and technological change and has helped to implement solutions for a range of private/public sector clients. He has written about blockchain applications in transportation, including the mechanisms for

trade information for government, shippers and port terminals, integration in ICAO's Digital Travel Credential proposed standard, and the future vision for border management. Mr. Wong has led research on risk-based forecasting, dual-use aviation and border security, and digital privacy for blockchain/biometric applications. He has played key roles on ACRP Report 61 (Baggage Recheck Elimination) and Report 76 (Risk-based forecasting) and is the PI on ACRP 03-55 on biometrics.



Tom Plofchan focuses on Pangiam's technology, security, and aviation engagements. Over the course of the past decade, he has consulted for multiple Fortune 100 financial institutions and held roles across the U.S. national security sector focused on the intersections of technology, policy, civil liberties, and threat. He served as a National Security Advisor to the Department of Energy's Pacific Northwest National Laboratory before entering government to serve as the Counterterrorism Advisor to the Commissioner,

U.S. Customs and Border Protection, and as Counterterrorism Counselor to the Secretary, U.S. Department of Homeland Security.



Shannon Wu is the cofounder of Identity Review, a digital identity consortium shaping the future of the data economy. A Stanford graduate, she founded Mr. Progress, a boutique consulting firm working with transformational technologies: automation, encryption, AI, and blockchain. Formerly, she worked on the growth of decentralized identity company Bloom, with a focus on government relations and financial institutions.



Based in San Francisco, **Jesse Leimgruber** is a Stanford graduate, co-Founder of Bloom Protocol, and an advisor and investor in several startups in data and privacy. Jesse serves as a mentor and instructor for The Alchemist Accelerator, the European Innovation Academy, and frequently guest lectures at Stanford and USC. Jesse previously founded a data intelligence company, NeoReach.

Day 2: Data Sharing



Siegy Adler (moderator) is the founder of SC Adler & Associates, a project management consultancy based in New York. His aviation background includes positions at JFK International Airport, Lufthansa, and TWA. Siegy is an AAAE Certified Member and a certified Project Management Professional (PMP). He obtained his M.B.A. from New York University and is currently pursuing a Ph.D. in aviation business administration at Embry-Riddle Aeronautical University.



Kevin O'Sullivan is a lead engineer for SITA Lab, the company's strategic research and development arm. Since 2018, Mr. O'Sullivan has led research into use of digital twin platforms for situational awareness at airport operational centers. Prior to that, he led the blockchain operational data sharing research project between London Heathrow, Miami, and Geneva airports and the International Airlines Group. He has worked in the aviation industry for 25 years, is a regular speaker at industry events, and holds several patents related to digital services for airlines and airports. He has been a lead engineer at SITA Lab since the Lab's inception in 2008.



Silvio F. Pupo is CEO of Logos Capital Group (LC). Founded in 2011, LC is a globally focused impact merchant bank catalyzing solutions for the U.N. Sustainable Development Goals. Mr. Pupo is a board member and the LatAm lead for the Government Blockchain Association, a member of Social Venture Partners' Investment Committee, and an ambassador for the City of Miami as member of the Mayor's International Council. Mr. Pupo has a global background from years working in Europe, Latin America, the Caribbean, and Asia. He received his B.S. in management, international finance, and philosophy from the University of Florida, with

studies in Bocconi University in Italy and Hong Kong University of Science and Technology. Mr. Pupo holds Series 79 and 63 qualifications with FINRA.



Simon Brown is an experienced IT architecture professional and Chartered Engineer. He was appointed to Heathrow in May 2017 to lead the production of the strategy and roadmap for IT in airfield operations. This includes the core airport operational database asset, which underpins airport-wide collaboration for all staff, passenger info displays, airlines, ground handlers, and air traffic control. Prior to this, he spent 17 years in NATS, the UK's air traffic control provider, rising through the ranks as a systems engineering and product innovation manager. He holds a bachelor's degree in electrical and electronic engineering from the University of Bath in the UK.