



IJIS Institute



## Blockchain Technology Summit

June 20, 2019 – Reston, Virginia

The inaugural Blockchain Technology Summit, co-sponsored by the IJIS Institute and Microsoft, is an opportunity for executives from federal, state, and local government agencies to engage in free-flowing discussion with technology industry leaders on the applicability of blockchain technologies to support agency operations.

The objective of this one-day event is to provide government and the technology industry with an overview on the fundamentals of blockchain technology and provide insights on current efforts underway and future priorities. The Summit will be an open forum for discussing lessons learned and opportunities for agency and industry collaboration. Working side by side, participants will identify business problems, brainstorm and prioritize opportunities, and chart a course for future efforts.

**Location:** Microsoft Corporation, 12012 Sunset Hills Road, Reston, VA 20190

**Hotel Information:** The closest hotels are the Hyatt Regency Reston and the Extended Stay America Washington, DC – Reston.

**Agenda:**

Time	Topic	Speaker/s
8:00 am	Coffee	
8:30 am	Opening Announcements and Introductions	Ashwini Jarral, Executive Director, IJIS Institute
8:40 am	<b>Opening Blockchain Keynote</b>	Susie Adams, CTO, Microsoft
9:10 am	<b>Setting the Stage: Blockchain Evolution (Federal, State, Local)</b> <i>How have federal, state and local agencies responded to distributed ledger technologies (DLT)? This session includes a panel discussion covering status, approach, and insights on current and future strategy as well as challenges and opportunities.</i>	Samson Williams, Principal, Axes And Eggs (Think Tank and Digital Advisor); Adjunct Professor, University of New Hampshire School of Law (Blockchain, Cryptocurrency Law) Sam Sharp, National Business Development Lead, ConsenSys Tim Gilday, Principal, Technology Acceleration at General Dynamics IT Thomas Bezas, Chair, Government Executive Advisory Committee for the Government Blockchain Association
9:55 am	Break	

Time	Topic	Speaker/s
10:10 am	<p><b>Industry Perspectives: What Can Justice Learn from Healthcare?</b></p> <p><i>The challenges evaluating use cases for justice information sharing agencies are comparable to those facing healthcare and life sciences. Hear from experts in this adjacent industry—about how they are addressing:</i></p> <ul style="list-style-type: none"> <li>– complexity of working across multiple stakeholders interested in using DLT,</li> <li>– challenges of governance, regulatory, and policy frameworks,</li> <li>– privacy and security concerns, and</li> <li>– procurement and innovation.</li> </ul>	<p>Heather Flannery, Co-Founder of Blockchain in Healthcare Global, (BiHG), and the Co-Chair of Blockchain Task Force, HIMSS</p> <p>Jose Arrietta, Chief Information Officer at U.S. Department of Health and Human Services (HHS)</p>
10:55 am	Facilitated Discussion/Q&A	
11:10 am	<p><b>Identity: Implications for Identity of Distributed Ledger Technologies</b></p> <p><i>Learn about Decentralized Identifiers (DIDs):</i></p> <ul style="list-style-type: none"> <li>– What are they and how do they compare with current identification systems?</li> <li>– What problems they are seeking to solve</li> <li>– How are they relevant in the justice information sharing and public safety?</li> <li>– What impacts are there for standards and interoperability as well as security?</li> </ul>	<p>Kay Chopard Cohen, President, Chopard Consulting</p> <p>Pamela Dingle, Director of Identity Standards at Microsoft <i>[Invited]</i></p> <p>Mark Maier, Partner, Shulman Rogers and US Army Colonel (retired)</p> <p>Elizabeth M. Renieris, Founder, hackylawyER, and Policy Counsel, Women in Identity</p>
11:55 am	Facilitated Discussion/Q&A	
12:10 pm	Lunch on your own	
1:30 pm	<p><b>Breakout Session 1: Technology</b> <i>(standards/interoperability/delivery frameworks)</i></p>	<p>Iveta Topalova, Microsoft and Chair of IJIS Institute Technology and Architecture Committee</p> <p>Steve Upton, Dir. Strategy Business Gov., Microsoft</p>
1:30 pm	<p><b>Breakout Session 2: Policy/Governance</b></p> <p><i>This session will be a deep dive into how blockchain fits into the legal system and regulatory framework, speaking specifically about how the systems are built and how to provide structure on blockchain and distributed ledger activities. Discussion will include how a regulatory sandbox might help bring understanding and helps to measure the regulatory effectiveness.</i></p>	<p>Oliver Goodenough, Director of the Center for Legal Innovation at Vermont Law School</p> <p>Josh Jackson, Strategic Consultant</p>
1:30 pm	<p><b>Breakout Session 3: Public-sector Use Cases</b></p> <p><i>Warrants authorization and execution using a distributed application (DApp), exploring how DLT can solve existing problems in warrants process – proof-of-concept demonstration and discussion.</i></p>	<p>Anne Thompson, Thompson Finn LLC and Chair of IJIS Institute Blockchain Task Force</p> <p>Akbar Farook, Founder, JUSTICECHAIN, LLC (JUSTCHAIN™) and CEO Global Justice Solutions</p>
2:30 pm	Facilitated Report Out/Q&A	
2:45 pm	<p><b>Securing the Digital Threat(d) for Smart Manufacturing</b></p> <p><i>One of the use cases discussed for justice information sharing agencies is around digital evidence management (e.g., body worn cameras). Hear about the work being done with the DoD to secure the digital thread in manufacturing,</i></p>	<p>Dr Sylvère Krime, Senior Consultant, Engisis LLC, and Research Associate, NIST</p>

Time	Topic	Speaker/s
	<i>especially in 3D printing scenario. This session will also cover the intersection of standards and the challenge of interoperability between different distributed ledger platforms.</i>	
3:00 pm	Break	
3:45 pm	<b>Regulatory Landscape</b> <i>This panel will discuss the digital currency space as it relates to blockchain, federal and state regulations, and how we move forward with the technology and responsibilities at all levels of government.</i>	Combiz Richard Abdolrahimi, Esq JD LLM, National Security Lawyer, Deloitte and former Senior Policy Analyst, US Department of the Treasury Alan McQuinn, Senior Analyst, Information Technology & Innovation Foundation <i>[Invited]</i>
4:30 pm	<b>Wrap-up, Final Thoughts, and Call to Action</b>	Ashwini Jarral, Executive Director, IJIS Institute Iveta Topalova, Microsoft and Chair of IJIS Institute Technology and Architecture Committee Anne Thompson, Thompson Finn and Chair of IJIS Institute Blockchain Task Force
4:45 pm	Adjourn	

## Blockchain Technology Summit Speaker Bios

### Combiz Richard Abdolrahimi, Esq JD LLM— National Security Lawyer, Deloitte and former Senior Policy Analyst, US Department of the Treasury

Combiz Richard Abdolrahimi, Esq., J.D., LL.M. is a U.S. national security lawyer, a global emerging technology and innovation strategist at Deloitte, a former regulator and policymaker, and, until recently, he served as a senior policy advisor at the U.S. Department of the Treasury. Combiz has 11 years of public and private sector experience working with executives on shaping the business, policy, legal, regulatory, and technology dimensions of Blockchain and distributed ledger technologies (DLT), artificial intelligence and machine learning, digital asset technologies, and innovations including cryptocurrency and digital fiat currency, tokenization, cybersecurity, crowdfunding, smart city technologies, FinTech and RegTech, smart energy and utilities, banking and financial services, payments, digital identity, privacy, risk management, and compliance. He co-authored the first U.S. government primer on how Blockchain can enable innovation in government and the first U.S. government primer on how FinTech can deliver more seamless, safe, efficient, and impactful experiences.



### Susie Adams—CTO Microsoft

Susie Adams is the chief technology officer for Microsoft Federal. Susie leads Microsoft's cloud and security initiatives for the Federal team and works closely with the Microsoft Engineering teams and the Federal customers to help agencies realize their full potential in a cloud-first world. Susie joined Microsoft in 1999 and has held multiple leadership positions leading the Reston Microsoft Technology Center, serving as the CTO, Federal Civilian Business and now as the CTO, Microsoft Federal. Prior to joining Microsoft, she spent 16 years in the government consulting arena in a variety of management and leadership roles as a practice manager and software developer. Susie was named as a Fed100 award winner, is a frequent speaker at industry events on Cloud computing, security and Big Data and has authored several books on the topics of software integration and web development.



## Jose Arrieta—Chief Information Officer at U.S. Department of Health and Human Services (HHS)

Jose Arrieta was recently appointed as the Chief Information Officer for HHS, effective May 28. As CIO, Jose will develop the department's information technology policies and investments, as well as oversee the department's IT systems and security activities.



Jose Arrieta joined the HHS team in January 2018, and brings over 14 years expertise in policy, procurement and technology solutions to HHS. He has deep experience in all phases of the acquisition life cycle and has served in a broad range of roles including contracting officer, budget manager, financial manager, small business executive and program manager. He is a respected leader in applying emerging technologies, especially blockchain, artificial intelligence and robotic process automation, to Federal acquisition challenges.

Jose has published several articles on the importance of communicating with the industrial base to ensure successful procurement outcomes. He is actively engaged in the academic community, and currently serves at the University of Virginia and Johns Hopkins University as an Adjunct Professor focused on Blockchain and Public Procurement. He is also an advisor to the Dean of the Kogod Business School and provides guidance on the creation of a data science lab that is exploring the use of blockchain. He has pushed for a broader policy view of blockchain technology and created government-wide communities (e.g. ACT IAC Blockchain Working Group) focused on identifying blockchain use cases and best practices.

Since joining HHS, Jose has successfully built and begun to implement the first fully functioning blockchain coupled with artificial intelligence for public procurement, in the world. This is being implemented within the function of acquisition at the Department of Health and Human Services. The core of the program, called HHS Accelerate, was built in 7 weeks.

As the Former Director of Schedule 70 Operations with the General Services Administration (GSA), Jose led the largest IT contract in the world. Yearly, it averaged approximately \$15B in business volume, providing IT products and services to 1,000 federal, state, and local customers. In 2017, Jose successfully delivered a proof of concept that automated contract awards and reduced cycle time for contract awards and modification by 90%, by introducing the blockchain into GSA's IT Schedule 70's business process.

## Thomas Bezas—Chair, Government Executive Advisory Committee for the Government Blockchain Association

Thomas A. Bezas is a global government relations and business development leader, drawing from two decades of experience in both the government, and private sectors. Mr. Bezas is the founder and president of MILLField Global Strategies LLC, through which he directs and facilitates public policy advocacy, strategic intelligence, market access, trade development, source financing, and the successful navigation of regulatory minefields. Through his tours in the White House, the U.S. Department of Defense, the U.S. House of Representatives, and as one of the lead staff on the U.S.-China Interparliamentary Exchange, Bezas accrued both a knowledge and network of the most intimate inner-workings of the federal government in the realms of governance, foreign relations, defense, and acquisition policy. Following his time in government, Bezas was selected as the first ever vice president of government relations and trade for Aeroflex Inc, a billion-dollar aviation and aerospace manufacturer, where he quickly established Aeroflex as an influential voice with not only the U.S. Government, but governments throughout the world. His identity creation efforts translated to revenue generation by effectively addressing policy, government funding, regulatory compliance, and business development on a global scale. Since his departure from Aeroflex in 2013, Bezas has steered MILLField Global Strategies, servicing both U.S. and foreign businesses and nonprofits impacting policy, repairing political reputations, guiding campaigns, and successfully leading strategic business development throughout some of the largest and most aggressively growing countries in the world, including both the United States and China.



### Kay Chopard—Cohen President, Chopard Consulting

Kay provides leadership and executive management and coaching for federal agencies and nonprofit organizations in improving business operations, governance, and strategic planning. Clients include the National Institute for Standards and Technology (NIST) Trusted Identities Group (TIG), Identity Ecosystem Steering Group (IDESG), Inc. as acting executive director, California District Attorneys Association (CDA) business leadership and foundation development, Law Enforcement Alliance for Digital Evidence Response (LEADER), and the Bureau of Justice Assistance (BJA) of the U.S. Justice Department.



### Pamela Dingle—Director Identity Standards, Microsoft *[Invited]*

Identity geek, integrator, architect, strategy opinioneer, extrovert, jack-of-all-trades. 15+ years of experience spent putting identity-related infrastructure into large organizations, seven years in the CTO office of a software vendor, meeting customers, working on strategy and vision, participating in standards efforts. Now working at Microsoft as part of their already strong commitment to open identity standards.



### Akbar Farook— Founder, JUSTICECHAIN, LLC (JUSTCHAIN™) and CEO Global Justice Solutions

Akbar Farook is the CEO at Global Justice Solutions and Founder of JUSTICECHAIN™(JUSTCHAIN™), a blockchain for justice and public safety. He is passionate about emerging technologies and applying them to the courts and the justice practice, where he has over 16 years of experience. He is also the author of *Cloud Computing for Courts* white paper published by IJIS. Currently, he is involved with leveraging IoT and Blockchain for justice and public safety. He is actively involved with the IJIS institute and is the Co-Chair for the NIBRS/NDEx task force with the CJIS Advisory Committee. He has a master's degree in Computer Science with a focus on Security and Cryptography from GWU and a certificate in Blockchain technologies from MIT. He is on the Next Gen Court Technology Standards Working Group with NCSC/JTC to help build the next generation technology standards for the courts and the justice community. His experience spans courts, probation, state attorney's office, law enforcement, as well as with the justice information sharing practice. He is also one of the Azure US government advisors for Microsoft.



### Heather Flannery—Co-Founder, Blockchain in Healthcare Global, Co-Chair Blockchain Task Force, HIMSS

Heather Leigh Flannery is the Health Circle Global Lead at ConsenSys and the Co-Founder and Board Chair of Blockchain in Healthcare Global (BiHG), a new 501(c)6 trade association organized under the IEEE ISTO. She chairs the IEEE SA P2418.6 Standards Development Working Group (blockchain in healthcare and life sciences), Chairs the Enterprise Ethereum Alliance (EEA) Healthcare Special Interest Group (SIG), and serves as the FY19 Co-Chair of the global HIMSS Blockchain in Healthcare Task Force. Ms. Flannery is also an Innovation Fellow at EP3 Foundation, has served as Industry Faculty for the United States Department of Health and Human Services Office of the National Coordinator for Health IT (US HHS ONC) and is an active consultant, advisor, and keynote speaker. Prior to ConsenSys and BiHG, she founded and led Obesity Prevention, Policy, and Management, Inc. (Obesity PPM), an innovative provider of disease management, population health, research administration, and information technology managed services for health systems in the Americas, and an early adopter of distributed ledger technology. Ms. Flannery has driven continuous business model innovation via technology early adoption throughout her 25-year career as an entrepreneur, technologist, and strategist. Ms. Flannery is intrinsically motivated to impact population health and economic prosperity through non-communicable disease prevention and treatment. She builds mission-driven organizations aligned by shared values: making measurable societal contributions, creating economically sustainable interventions, and prioritizing diversity and inclusion.



### Tim Gilday—Principal, Technology Acceleration, General Dynamics

Tim Gilday collaborates with General Dynamics IT experts, third-party partners, and government leaders to identify, prioritize, and accelerate adoption of next generation solutions which hold the most potential to impact our government. With exposure across Federal organizations such as State Department, VA, NIH, FDA and CMS, as well as the private sector, Tim's ultimate aim has been to hasten meaningful innovation, and increase process efficiency and automation while decreasing waste and burden to free scientists, specialists, technologists and innovators to focus on higher value activities.



### Oliver Goodenough – Professor of Law and the Director of the Center for Legal Innovation at Vermont Law School

Oliver Goodenough is an authority on several emerging areas of law. Oliver has helped Vermont and Nevada shape digital business organization initiatives – a direct application of these principles to law reform in the U.S. In Vermont, he has been a participant in the legislatively-mandated Blockchain study committee and helped to author legislation to give Blockchain technology legal recognition. He is currently a Professor of Law and the Director of the Center for Legal Innovation at Vermont Law School.



### Josh Jackson—Strategic Consultant

Josh is a scientist, researcher, and growth strategist. He has a unique ability to analyze law, policy, and regulations, and then turn that knowledge into practice for industry growth and marketing. He diligently works to inspire company leaders and help their organization grow through these insights. He researches and speaks on agency law and ethics, legal literacy and communication, blockchain and other emerging technologies. He works with small and large institutions in biotechnology, healthcare, financial services, and academia. He has helped businesses and legislators with local, state, and federal regulations and policy.

### Dr. Sylvère Kréma—Senior Consultant, Engisis LLC – Research Associate, NIST

Dr. Sylvère Kréma is a research associate at the National Institute of Standards and Technology (NIST) and a senior consultant at Engisis LLC. He received a Ph.D. in Computer Science from University of Burgundy, France in 2013. He focuses on developing methodologies and tools to implement standard-based interoperability and data traceability through the product lifecycle and supply chain. He currently co-leads a blockchain for Smart Manufacturing project at NIST that focuses on securing the digital thread. Dr. Kréma is a co-chair of the Blockchain for Industrial Applications Community Of Interest (COI) that focuses on use cases such as Smart Manufacturing, Internet of Things, e-health, Autonomous Vehicles, Artificial Intelligence, Robotic Process Automation, and Smart Cities. Dr. Kréma is also a member of the US TAG for ISO/TC 307 “Blockchain and distributed ledger technologies”.



### Mark Maier—Partner, Shulman Rogers and US Army Colonel (retired)

Mark Maier delivers military, electrical engineering, and business expertise to government contracts, commercial transactions, security and international trade. Mark's multi-faceted skills and experience enables him to efficiently get deals done, provide insightful solutions, and help clients with government contracts, technology transactions and outsourcing, regulations, and security. A retired U.S. Army Colonel, Mark served in Iraq, Afghanistan, and Europe in special operations, intelligence, homeland defense, and communications units on Active Duty and in the Reserves. His last assignment was Army North's emergency preparedness officer for Maryland and he responded to domestic emergencies such as the September 11 Pentagon attack, Baltimore Riots, and Ebola Crisis. Prior to his legal career, Mark was an electrical engineer and international business executive where he started a consulting business in Boston, provided regional expertise in Australia, harmonized U.S. products in Denmark, and managed telecommunication QA teams across Europe. Mark is iCERT's General Counsel, has started and managed three successful law firm practices, chairs the firm's Government Contracts and Technology Transactions Practices, co-chairs the Federal Communications Bar Association's Homeland Security and Emergency Communications Committee and chairs Montgomery County's Dickerson Area Facilities Implementation Group.



[Alan McQuinn—Senior Analyst, Information Technology and Innovation Foundation](#) *[Invited]*

Alan McQuinn is a senior policy analyst who specializes in technology policy at the Information Technology and Innovation Foundation - an independent, nonpartisan research and educational institute focusing on the intersection of technological innovation. He writes and speaks on a variety of issues related to information technology and Internet policy, such as cybersecurity, privacy, blockchain, fintech, e-government, Internet governance, intellectual property, and aerospace.



[Elizabeth M. Renieris—Founder, hackylawyER; Policy Counsel, Women in Identity](#)

Elizabeth M. Renieris is the founder of hackylawyER, an innovative consultancy focused on law and policy engineering, as well as policy counsel to Women in Identity, an organization dedicated to expanding opportunities for women in the identity industry and related industries. Renieris is an entrepreneurial attorney, policy advisor, and strategic consultant who is passionate about the impact of emerging technologies on privacy, identity, civil society, and collective consciousness. Her core areas of expertise include cross-border data protection and privacy (CIPP/E, CIPP/US), digital and self-sovereign identity, blockchain and distributed ledger technologies, and artificial intelligence and machine learning systems. She has lived and worked on three continents, serving as in-house counsel at two digital identity startups, an attorney with two major international law firms, and a government attorney focused on cybersecurity. She is a frequent public speaker and participant in multi-stakeholder initiatives, including the European Commission's EU Blockchain Observatory, U.K. Parliament's All-Party Parliamentary Group on Blockchain, and Germany's Bundesblock, and is active in academic initiatives through the MIT Media Lab and Stanford Law School's CodeX project. Renieris graduated with a BA from Harvard University, a JD from Vanderbilt University, and an LLM from the London School of Economics. You can follow her on Twitter @hackylawyER.



[Sam Sharp— National Business Development Lead, ConsenSys](#)

Sam Sharp has over 22 years of information technology and global leadership experience. In his current role as national business development lead at ConsenSys, he is responsible for guiding customers in implementing impactful blockchain solutions and developing partnerships and joint ventures. He has a track record of success in technical consulting, sales, channels, and alliances, working at start-ups and open source technology companies such as Elastic and global industry leaders like Oracle and Microsoft. He has experience across federal, state, and local and commercial markets and has lead teams in the US, Europe, Asia and Latin America. He leverages his strong technical background and global business experience to guide customers in their technology investments to successfully support, complete missions or drive increasingly successful quarterly results.



[Anne Thompson—Principal Consultant, Thompson | Finn; IJIS Blockchain Task Force](#)

Anne is currently serving as Vice-Chair of the IJIS Courts Advisory Committee. In addition, she is leading the IJIS Blockchain Task Force, working with IJIS partners in public sector and industry organizations to identify blockchain use cases for secure interagency records management, together with developing a use case assessment framework to assist organizations evaluate the applicability of blockchain technology. Anne has over 17 years of product development experience, working with legal professionals to design and develop software solutions to address their unique needs. She has a background in design and communication and worked for Thomson Reuters in both Australia and the United States prior to her current role as Principal Consultant with Thompson | Finn LLC.



Iveta Topavola—Principal Program Manager, Azure Customer Advisory Team, Microsoft, and Chair, IJIS Information Technology and Architecture Committee

Iveta has more than 25 years of experience in enterprise solution design and delivery. She has a passion for effectively leveraging technology to meet the most complex business and mission requirements of our customers. With her expertise in the entire software development lifecycle, Iveta has had the opportunity to work with a variety of public sector customers around the world.

Throughout her career Iveta has acquired and applied technical leadership skills and has challenged herself to lead multifunctional teams distributed across the globe to drive customer and company impact. Iveta contributes to the work of the Global Advisory Committee, an advisory committee to the Attorney General of the United States on the matters of information sharing, and in this capacity has influenced the development of interoperability standards which are broadly used nationally and internationally. Iveta is a chair of the IJIS Emerging Technologies Committee. She is a recognized speaker and has presented at numerous events on variety of topics such as standards based interoperability, cloud computing, big data, the internet of things and blockchain.



Steve Upton— Dir. Strategy Business Gov., Microsoft

Steve Upton is part of the worldwide strategic solutions group within Microsoft that is driving the three cloud solutions for government agencies. He focuses on transformation strategies for Digital Tax, Social Programs, and Public Safety, Blockchain in Government, and Advanced Analytics. He provides leadership for the continued development of innovative digital transformation strategies within Microsoft. Steve has over 30 years' experience driving successful transformations in communications, retail, and in government agencies.



Samson Williams—Principal, Axes And Eggs (Think Tank and Digital Advisor), and Adjunct Professor, UNH School of Law (Blockchain, Cryptocurrency and Law)

Samson is a classically trained anthropologist, finance and public health expert who advises Fortune 100 companies, Executives and startups in Dubai, Washington, DC and Dublin, Ireland. Samson's focus is helping you be aware of and understand the latest trends in *fintech, blockchain, AI, health and digital transformation*, so that you can make strategic and profitable decisions for your wallet and business' success. Samson's specialty is explaining emerging technology and finance in plain English to investors, government officials, small children and c-suite executives. Additionally, Samson successfully applies the principles of anthropology to overcome business' biggest challenge to profitability in health, finance, technology adoption and organizational change management – humans. Follow Samson on Twitter/Instagram [@HustleFundBaby](#) or reach out to him on [LinkedIn](#) to follow the latest insights in his academic and market research.

