Monday, May 17, 2021
Session Time: 11:00 AM - 12:00 PM

Opening & Keynote

Session Time: 12:15 AM - 1:00 PM

Achieving CJIS Compliance with Smartphones - What You Need to Know
Speaker: Dale Stockton - Carlsbad California Police Department
Speaker: Chris Weatherly, CISSP-ISSMP - FBI
Speaker: Eric Wood, MCPS - Chula Vista (CA) Police Department

Smartphones provide operational benefits that can be significantly expanded if officers can access criminal justice databases. This requires compliance with CJIS policy and can be somewhat challenging. The workshop will provide clear guidance on key areas including multi-factor authentication, mobile device management, encryption requirements, and compensating control options. Presenters include an agency IT manager who achieved approval for CJI query on department smartphones, a veteran FBI CJIS ISO, and a practitioner who authored a guide to achieving CJIS compliance with smartphones.

Connecting Technology Infrastructure and Operational Requirements
Speaker: Mike Bell
Speaker: Christian Quinn
Speaker: Richard Zak - Microsoft
Speaker: Crystal Cody - City of Charlotte- Innovation and Technology

This session will focus on the connection between technology infrastructure and operational requirements - and include the critical role of cyber security, the growing complexity of digital evidence management, and the challenge of managing the security and compliance of information across law enforcement and social service agencies for incidents.
The Video Narrative: Harness the Power of Condensed Videos for Suspect Identification
Speaker: Michael Chiocca - Chicago Police Department

Once investigators have completed the sometimes-troublesome tasks of video evidence recovery and footage playback, how do organizations identify suspects? Attendees will learn how police agencies are using condensed videos on internal and external platforms for suspect identification. These skills also are applicable for agency transparency involving use-of-force incidents and FOIA.

Session Time: 1:45 PM - 2:30 PM

Cybersecurity Threats to Public Safety in 2021 and Beyond
Speaker: Tyler Brodbeck - Motorola Solutions
Speaker: Travis Randall - Motorola Solutions

Public safety organizations face growing threats from criminals, nation-states, hacktivists, and insiders across systems and platforms. The Threat Intelligence team will take a deep dive into the threat actor tradecraft that is targeting emergency services, as well as actionable takeaways for securing Mission Critical communication systems. The presenters will cover the threat landscapes for LMR, PSAPs, Records and Evidence storage, and BWCs with recommendations as to how to address them. This session seeks to empower public safety organizations to better secure the critical systems citizens depend on.

Drones, the FAA, and you!
Speaker: Michael O'Shea, Federal - Federal Aviation Administration

Unmanned Aircraft Systems, or 'Drones', can support the public safety mission when used in compliance with FAA rules and regulations that ensure safe integration in the National Air Space. This session will answer your questions regarding public safety UAS operations, provide needed resources, and assist as you deal with non-public safety UAS operators.

The Future of Advanced Crimefighting Technologies
Speaker: Jonathan Lewin, Chief (ret.), Chicago Police Department - FirstNet Authority
Speaker: Brent Dupre, Assistant Chief - Austin Police Department
Speaker: Anthony Tasso, Inspector - New York Police Department
Speaker: Leonard Nerbetski

Violent crime is on the rise, and advanced crimefighting relies on real-time situational awareness. Attendees will learn how new technologies can capture, process, and make information available and actionable. The Chicago, Illinois, Police Department pushes daily action plans to officers in real time. The Austin, Texas, Police Department is rolling new technologies into their real-time crime center in addition to building relationships with
communities and businesses. The New York Police Department has integrated dozens of databases into an application every officer can access on their smartphone, helping response and increasing information collection to inform strategy.

**Session Time: 3:00 PM - 3:45 PM**

**Digital Forensic Technologies for LE Applications**
Speaker: Patricia Wolfhope - DHS
Speaker: Eric Kukula - Noblis Inc.

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) will brief and demonstrate new disruptive technologies that are government-owned and currently available to law enforcement. The systems were developed with direct input from law enforcement officers who specialize in digital forensics. Facial recognition, camera ID, speech and language tools, and livestream investigative tools will be announced.

**Discussions of Funding and Need for Clear Metrics with Former Police Chiefs Turned City Managers**
Speaker: Craig Allen - Illinois State Police
Speaker: Bradley Bloom - Village of Hinsdale, IL
Speaker: John Jackson - Greenwood Village Co

Police operations require almost everything to be in digital format, which drives up costs. City managers are central to all financial discussions. Costs of an ever-expanding need for operational technologies and the resulting out-year costs create a division between operational needs for more digital technology and storage and citywide administration understanding those needs to be able to identify funding for future costs and how to best contain those costs. Attendees will learn how using proper metrics can help drive higher likelihood of funding in contemporary times.

**Session Time: 4:00 PM - 4:45 PM**

**About DAM Time: A Candid Conversation About Digital Asset Management and Evidence Storage**
Speaker: Brandon Epstein - Middlesex County Prosecutor's Office
Speaker: Kara Van Malssen - AVP
Speaker: Glenn Cavin - Plano Police Department
Speaker: Darryl Branker

With the deluge of images, videos, digital forensic exams, and other digital media in modern criminal investigations, law enforcement agencies are often drowning in digital media. Other industries have long established practices in digital asset management (DAM) that effectively store and organize these digital assets in a central location to manage, share, and store. This
panel will give insight into challenges facing law enforcement in handling this data and highlight ways agencies can effectively manage and store electronic evidence.

**Nlets - Knowledge is Power!**
Speaker: Teri M. Harsin - Nlets
Speaker: Bonnie Locke - Nlets

In clear detail, the presenters will discuss how Nlets and NCIC are different. They will provide examples of the various resources each entity offers and how each is important in the daily duties of law enforcement and public safety. The various message keys and resources available via Nlets will be identified. The presenters will also include real-life scenarios where Nlets has assisted in solving cases and will ask the attendees to join the conversation by speaking on incidents in which Nlets was a factor in assisting to solve a crime at their agency.

**Tuesday, May 18, 2021**
**Session Time: 10:00 AM - 10:45 AM**

**LEIT Section Business Meeting**

**Session Time: 10:00 AM - 10:45 AM (Plenary Session)**

**AI to Improve Officer Wellness and Citizen Engagements**
Speaker: Kathleen K. Cowles - Deep Water Point Consulting
Speaker: Shawna Coxon, PhD - Toronto Police Service
Speaker: Richard Zak - Microsoft
Speaker: Chris Settle - Culpeper Police Department

Artificial Intelligence is already delivering powerful new capabilities to support law enforcement agencies including the acceleration of analysis and insights from data, driving prioritized information faster to officers in the field, and improving resource allocation efficiency. AI can also play an important role in supporting officer health and wellness, as well as increasing community engagement. Join the IACP Communications and Technology subcommittee on AI as they discuss high priority needs, challenges, and opportunities. The panelists will explore the use of AI for physical, mental, and emotional support; for early identification and intervention of potential problems; and to automate public engagement to ensure immediate and consistent response to citizens.
Session Time: 12:15 PM - 1:00 PM

A Preliminary Study on The Possible Use of Autonomous Vehicles for Police Activity
Speaker: Paolo Cestra - ROADPOL European Roads Policing Network
Speaker: Nicole Miriam Scala - Private

Driverless cars are a decisive factor to reduce road accidents in the future. Safety, faith, privacy, reliability, and responsibility are the most important factors that occur before buying or driving this type of car. These factors are specifically fundamental in the case of implementing driverless vehicles for police patrolling activity. Actual research points to how these factors are linked to psycho-social factors and the knowledge of the actual technologies influence the faith of police officers approaching the possible use of autonomous vehicles.

New and Enhanced Mobile Device Access to Federal Data Sets
Speaker: Charlotte Whitacre - FirstNet Authority
Speaker: Brent Dupre, Assistant Chief - Austin Police Department
Speaker: Walt Smith, Chief - Philadelphia Police Department
Speaker: Shane Lamond, Commander - Washington, DC, Metro Police Department

FirstNet is now under contract with federal law enforcement and justice agencies. This will benefit state and local law enforcement agencies integrating federated access and information exchange solutions with select nationwide criminal justice databases. This presents endless opportunities and will make true real-time situational awareness possible and streamlined in the field. Additionally, this will improve information sharing, including investigative and intelligence capabilities from a mobile device in the field.

Session Time: 1:45 PM - 2:30 PM

A Tale of Two Cities: Police Technology Approaches in Toronto and Chicago
Speaker: Donald R. Zoufal, J.D., C.P.P. - Illinois Association of Chiefs of Police/University of Chicago
Speaker: Jonathan Lewin, Chief (ret.), Chicago Police Department - FirstNet Authority
Speaker: Patrick O'Donnell, Lieutenant - Chicago Police Department
Speaker: Shawna Coxon, PhD - Toronto Police Service

This presentation examines differing approaches of Canadian and U.S. law enforcement in developing and using technology platforms, including artificial intelligence and facial recognition. It examines both the technologies and the programs to manage them. Chicago and Toronto police showcase the effect of privacy and civil liberties concerns in shaping emerging technology use. Understanding the difference in approaches from these cities will assist administrators on either side of the border in planning their technology use and governance practices.
Information Sharing and Transparency through Open Data
Speaker: Cody M. Gabbard - Portland (OR) Police Bureau

Over the past several years the Portland, Oregon, Police Bureau and Division has been committed to increased transparency through data sharing. They have built, and continue to build upon, an open data portal for the public. As user statistics continue to grow, staff believe that it is due to several factors that are incorporated into each visual dashboard: consistency across visuals and downloadable data, accessibility, and ease-of-use. Participants will be provided examples of this work, as well as the process and methods for keeping visuals fresh and up to date.

Next Gen Evolutions: Non-Human Initialized Incidents
Speaker: Karin Marquez - RapidSOS
Speaker: Keith Kelley - Athens-Clarke County Police Department

Presentation Description: We live in a world where our home security systems know there is an emergency occurring before we do. So why do we need to pick up the phone to dial 9-1-1? In this session, public safety leaders and emergency technology experts will discuss the future of public safety – the delivery of data-first emergency requests for service – and how it allows dispatchers to respond to incidents with increased efficacy.

Session Time: 3:00 PM - 3:45 PM

Ethical Use of Facial Recognition Technology in Law Enforcement: Policy & Process Before Technology
Speaker: Joseph Courtesis - NYPD (retired)
Speaker: Nicole Spaun - IDEMIA NSS

The focus of this session is on post-investigative image identification with the assistance of Facial Recognition Technology (FRT). FRT, by itself, does not produce probable cause to arrest. The technology does, however, provide a valuable lead as the first step in an image identification process. Any image identification process that includes FRT should put policy before the technology. This session will provide “appropriate use” guidelines, best practices, and policy recommendations. The session will also discuss what to look for in a FRT vendor, address bias concerns, and discuss training opportunities.

From the $1 Billion Silk Road Seizure to "Welcome to Video": Cryptocurrency Intelligence Lessons
Speaker: Gurvais Grigg
Speaker: Jonathan Levin - Chainalysis

Threat actors use cryptocurrencies like Bitcoin to facilitate a range of illicit activity -- like the Silk Road darknet marketplace and child exploitation site Welcome to Video -- to evade law
enforcement. The often-misunderstood good news is that the public cryptocurrency blockchain presents a real-time, open-source intelligence collection opportunity and a complement to existing intelligence. In this session, Gurvais Grigg, Chainalysis Public Sector CTO and former FBI assistant director, and Jonathan Levin, Chainalysis co-founder and Chief Strategy Officer, will discuss lessons from cryptocurrency cases and how blockchain analysis can be used to investigate a range of criminal threats, including darknet narcotics, terrorism, human trafficking, ransomware, and organized crime, and share trends in cryptocurrency crime.

**Records Management System Standards—Updated**

Speaker: Catherine A. Miller - Montgomery County Police Department  
Speaker: Crystal Cody - City of Charlotte- Innovation and Technology  
Speaker: Melissa Winesburg - IJIS Institute  
Speaker: Todd Thompson - Caliber Public Safety

In 2019, the IACP CJIS Committee and IJIS Institute formed the Records Management System (RMS) Standards Task Force to review and update the Law Enforcement Information Technology Standards Council (LEITSC) RMS Functional Specifications documents that were released in 2006 and updated in 2009. These are still important to law enforcement and RMS software providers but needed to be updated to the latest technological advancements to the architecture and deployment of these systems. The 25 member international task force worked diligently to review, update, and publish the latest version.

**Session Time: 4:00 PM - 4:45 PM**

**Leveraging Advanced Analytics for Identity Resolution**

Speaker: Alison Brooks - IDC  
Speaker: Eldon Amoroso - Birch Forest Projects Inc.

Being able to quickly understand an individual's identity with as much accurate information as possible is a fundamental, challenging, and unappreciated element of law enforcement and investigative work. Police personnel investigating a criminal incident need to understand “who is who” and “who knows whom” in near-real-time. Yet this base capability is thwarted by poor data management, clerical errors, and duplicate records which obfuscate information about a person’s identity. This session will analyze the research that assessed the value of advanced analytics in resolving identities and optimizing data management.
Digital Assets: Managing Cost, Capacity, Risk, and Integrity
Speaker: Craig Allen - Illinois State Police
Speaker: Jim Emerson - National White Collar Crime Center (NW3C)
Speaker: Thomas Ruocco - Texas Department of Public Safety
Speaker: Zhviago Dames, MSc, BBA, AA - Royal Bahamas Police Force

The panel will examine a range of compelling cases and promising approaches to help police leaders better understand digital information best practices to address shrinking resources. Police digital retention demands integrity, whether operational or administrative. With increases of records, evidence, video capture, digitization of operations and training, department digital storage costs and cyber risk exposure are driven up. Police budgets are shrinking due to the COVID-19 pandemic, as well as the scrutiny of police use of technology, resulting in public calls for criminal justice reform.

Advanced Cold Case Support Team
Speaker: Catherine A. Miller - Montgomery County Police Department
Speaker: Mitch Cunningham - Cape Fear Community College-North Campus

Law enforcement has successfully gathered vast amounts of data, while the quality of analysts and the tools they have access to has grown, opening new opportunities to close cases and obtain justice. Sadly, many jurisdictions and the communities they serve, do not have access to these resources, resulting in unsolved cases and continuing the loss of justice these victims and their families feel. Fusion centers already possess these resources and, with some modifications, could provide an investigative, analytical, and technological resource for smaller jurisdictions who need this advanced support.

Cybersecurity for the Small Law Enforcement Agency
Speaker: Ciro Cetrangolo, CISSP - Village of Richmond, IL Police Dept

A non-technical discussion of key concepts a chief must understand to effectively mitigate current cybersecurity and ransomware threats. Practical guidance and realistic best practices, along with down-to-earth suggestions on how to best address cybersecurity issues, including an introduction to the NIST cybersecurity framework, will be discussed. One of the most common misconceptions is that defending against these threats is costly. But that does not have to be the case if cybersecurity is addressed with some basic best practices and some knowledge.
Next Level Mission Critical Services with FirstNet
Speaker: Mike Barney
Speaker: Ryan Burchnell
Speaker: Jared VandenHeuvel

Join this session to understand how FirstNet is taking Law Enforcement to the next level of mission critical services. Improving communications resiliency in rural, impaired and even dense urban service areas can be difficult. The unique features of FirstNet such as High Power User Equipment (HPUE) and mission critical services such as FirstNet Push-To-Talk capabilities allow law enforcement agencies to have higher throughput and coverage for critical communications. Used together, higher standards of communications assurance can be met with lower overall operational costs and virtually no capital investment.

Session Time: 1:45 PM - 2:30 PM

Law Enforcement Cyber Center: “A Valuable Resource for Investigators”
Speaker: Jeff D. Lybarger - NW3C
Speaker: Jim Emerson - National White Collar Crime Center (NW3C)
Speaker: Ryan Daugirda - IACP
Speaker: Jessica Tolliver - Police Executive Research Forum (PERF)

The Law Enforcement Cyber Center (LECC) was developed to enhance the awareness, expand the education, and build the capacity of justice and public safety agencies to prevent, investigate, prosecute, and respond to cyber threats and cybercrimes. During this interactive presentation, participants will be asked to navigate the LECC website as the panelists explain the many valuable resources that can be utilized. The LECC is a collaborative project between the IACP, NW3C, and PERF and is funded through the Bureau of Justice Assistance.

Leveraging Technology to Augment Staffing
Speaker: Dale Stockton - Carlsbad California Police Department
Speaker: Roxana Kennedy - Chula Vista Police Department (CA)
Speaker: Don Redmond - Chula Vista Police Department (CA)

Many agencies have been challenged with staffing or budgeting challenges. The Chula Vista (CA) Police Department found itself facing both, resulting in a staffing level of less than one officer per thousand. The agency needed a force multiplier and began by issuing smartphones. CVPD then added layers of complementary technology, ultimately resulting in improved response times and increased situational awareness for officers. Command officers from CVPD will provide insight to their nationally recognized Drone-as-a-First Responder program, Live 911, and pilot efforts to use the smartphone as an in-car computer as well as Greenwave technology which improves response by managing traffic signals without installing equipment in patrol cars.
The Future of Push-to-Talk
Speaker: Harry Markley, Retired Assistant Chief, Phoenix PD - FirstNet Authority
Speaker: Mike Wischmann, Sergeant - Arizona Department of Public Safety
Speaker: Rich Johnson - NASCAR
Speaker: Douglas Carter, Superintendent - Indiana State Police

Push-to-Talk (PTT) provides seamless communications within and between agencies and disciplines. LMR to LTE integration allows savings by prioritizing radios for critical responders, allowing others to use smartphones. Talk groups allow for quick connection across all command streams to coordinate crisis response. PTT enhances officer safety in remote locations where interagency support is key and backup may be 30 miles away. Attendees will also learn how NASCAR security is improving coordination with local police by using PTT and how this can work with security partners.

Session Time: 3:00 PM - 3:45 PM

Officer Wellness in the 21st Century: Tools, Strategies, and Innovative Solutions
Speaker: David Black, Chief Psychologist California Police Chiefs Assoc. Wellness Committee / Ph.D. Clinical Psychology / Licensed Psychologist (CA) - CORDICO
Speaker: John Carli - Vacaville Police Department

Learn how law enforcement agencies of all sizes are utilizing innovative technology to place high-quality officer wellness tools directly into the hands of officers, including tools for alcohol abuse, anger management, compassion fatigue, depression, family support, financial fitness, mindfulness, peer support, PTSD, resilience development, sleep optimization, suicide prevention, trauma, work-life balance and much more. Learn how to leverage technology to strengthen existing officer wellness programs, and how to build new officer wellness programs from the ground up.

Rapid Deployment of NIBRS Implementation: More Critical than Ever
Speaker: Robert May, II - IJIS Institute
Speaker: Alyson Lunetta, MS, CCIA - California Department of Justice
Speaker: Erica Smith, Ph.D. - Bureau of Justice Statistics
Speaker: Maria Cardiellos - IJIS Institute
Speaker: Melissa Winesburg - IJIS Institute

California’s success in using the Rapid Deployment Method (RDM) to transition law enforcement agencies to NIBRS reporting by working directly with the RMS providers will be profiled in this workshop. RDM maximizes process efficiencies to reduce the time and cost of transition critical to address limited funding and the time pressures due to the end of Summary Reporting. Law enforcement practitioners and CA DOJ will identify their successes
and lessons learned using RDM. Representatives from BJS and the IJIS Institute will explain how attendees can leverage other RDM efficiencies to expedite their transition to NIBRS.

Session Time: 4:00 PM - 5:00 PM

Closing Session

Additional Sessions (Time TBA)

Police Tech That Endures: Implementation Secrets for Agency Success
Speaker: Eric La Scola - Nuance Communications
Speaker: Susan Schrader - Nuance Communications

From body cameras to speech recognition, police technology pervades nearly every facet of a law enforcement professional's daily work. Yet, the practical application of police technology – particularly in small to mid-sized agencies – can be fraught with failed implementations. "Agency success" is a thoughtful antidote to implementation shortcomings for any sized agency. In this workshop, you'll hear from senior command staff, who will join Nuance Communications to explore how they engaged early with Nuance's agency success team pre-and post-implementation, and the lessons they learned for implementation success that can be applied to any technology implementation.

Using Operational Data to Support Officer Wellness
Speaker: Garth Strandberg - Quartech Justice Solutions
Speaker: Kevin Jablonski, PhD, MPH - Los Angeles Police Department

Once investigators have completed the sometimes-troublesome tasks of video evidence recovery and footage playback, how do organizations identify suspects? Attendees will learn how police agencies are using condensed videos on internal and external platforms for suspect identification. These skills also are applicable for agency transparency involving use-of-force incidents and FOIA.