



NEWSLETTER

SPRING 2019

Managing the Surge of New & Expanding Technologies in Law Enforcement

A new national partnership among the IJIS Institute, the National Police Foundation, and the Rutgers University Center on Policing has developed a unique and customized training for federal, state, and local law enforcement executives, managers, and staff who are seeking or implementing new technologies in their agencies. With developers and marketers promising the best and most advanced technologies available, the public safety community is often overwhelmed by the amount and sophistication of new technologies available to agencies. Yet no formal training program to prepare executives for the process of adapting to these new technologies is available for law enforcement and public safety agencies. The rapidly expanding introduction of new technologies in policing makes it very difficult for police executives to know what a given technology can do to improve operations and what pitfalls should be avoided. This training program

offers practical advice on selecting and managing emerging technologies.

The partnership will launch with an inaugural seminar entitled **“The Promises & Perils of Law Enforcement Information Technologies.”** The two-day executive seminar offers case studies on current and emerging information technologies and the benefits and challenges that such technologies may bring. The seminar will also emphasize the lessons learned and discuss the risk management through proven strategies, project management, and planning. By introducing public safety and law enforcement agencies with information about how to effectively use new and relevant technologies, agencies can begin to consider the impact of privacy and civil liberty on the community around them.

More information on this training initiative can be found here. ■

IN THIS ISSUE

- Managing the Surge of New & Expanding Technologies in Law Enforcement
- Regional Information Sharing Summit
- The Growing Role of Fusion Centers & Related Programs
- CorrStat & The Real Time Crime Center
- Meet The Staff: Jim Sheehan
- Stress, Trauma, & Burnouts: UASI Provides Resiliency Training
- How To Use New Technologies: Education & Assistance
- The Rise of Drones: CIC-CADA and COP Partners on Drone Workshop
- Networking & Education: Managing Law Enforcement Technology
- Intern Highlights
- Rick Fuentes Award Reception

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NEWSLETTER

SPRING 2019

Law Enforcement Come Together to Discuss Information Sharing at the Regional Information Sharing Summit

The Center on Policing, together with the New Jersey State Police, the Northern New Jersey Urban Area Security Initiative (UASI), the New York City Police Department and many other law enforcement agencies spanning the I-95 Corridor, hosted the two-day Regional Information Sharing Summit. Law enforcement leaders concluded that existing information technology continue to provide public safety advantages. Emerging technologies hold incredible promise for future capabilities to prevent and effectively intervene against violent and serious crime as well as the networks that perpetrate such crime.

The summit was attended by over 100 law enforcement executives from Maine to Virginia to Canada. Opening remarks were provided by Commissioner James O'Neill of the New York City Police Department, Colonel Patrick Callahan of the New Jersey State Police, and Director Jared Maples from the New Jersey Office of Homeland Security and Preparedness.

Attorney General Gurbir Grewal spoke about the need in today's world to share critical information across state borders, to provide public safety and homeland security to our citizens, and to insure that privacy considerations are always at the forefront.

The Center on Policing Executive Advisor Tom O'Reilly talked about the value of regional information sharing and provided some examples from his tenure as the National Director for the Nationwide Suspicious Activity Initiative Program at the Department of Justice to demonstrate the value. Director Linda Tartaglia moderated a panel discussion on developing agreements to share information, privacy considerations, and state

and local regulations. Project Manager of UASI Jim Sheehan moderated a panel about building an automatic license plate reader (ALPR) Sharing Program.



Attorney General Gurbir Grewal

Additional panels discussed experiences in New Jersey and the capabilities and effectiveness of information sharing on other states including New York and Massachusetts. The network dinner was hosted by New York City Police Foundation and a keynote dinner speech was given by Deputy Commissioner of Intelligence and Counterterrorism, John Miller of the NYPD. The program was coordinated by retired New Jersey State Police Colonel Rick Fuentes on behalf of the Urban Areas Security Initiative.

This program is the continuation of the I-95 regional effort first established by Dr. George Kelling after September 11, 2001 to provide context and relevancy to the information and intelligence that was being received by the state along the I-95 Corridor. ■



NEWSLETTER

SPRING 2019

The Growing Role of Fusion Centers & Related Programs

The Center on Policing organized a panel discussion titled “Strategic Partnerships with Fusion Centers and Universities to Expand Fusion” at the National Fusion Centers Directors annual meeting attended by over 1,000 federal, state, and local law enforcement and emergency management professionals. The topic was “Strategic Partnerships with Fusion Centers and Universities to expand Fusion Center Functions and Capacity.”



Universities can provide excellent strategic partnerships with state and local fusion centers. The research capacity and subject matter experts can assist the fusion center directors with increasing service, exploring new emerging technology and business practices, and documenting outcomes that

demonstrate the value and role the fusion centers play in public safety and homeland security. Four programs currently offered by Rutgers University were addressed and the presenters shared lessons learned and what methods can be transferred from these programs and utilized by fusion centers.

1. The Command, Control and Interoperability Center for Advanced Data Analysis (CICCADA) “soft target” program: explored screening, modeling, and stimulation tools used to defend against attacks on “soft targets” such as stadium and entertainment venues.

2. The Rutgers University and Department of Homeland Security “digital forensics” project: The fast-paced growth in digital technologies and evolving laws governing search seizure and privacy means that agencies must develop new digital forensic investigative procedures. Moreover, there is increasing need for advanced techniques in digital forensics covering topics such as interrogating vehicle data systems, developing malware analysis, and conducting internet investigations (i.e. social media).

3. Rutgers University’s new Critical

Intelligence Studies minor: with Rutgers University’s affiliation as a Defense Intelligence Agency Intelligence Community Center for Academic Excellence (ICCAE), the university has established a new minor in Critical Intelligence Studies as well as a number of certificate programs and conferences about intelligence/national security.

4. The Center on Policing and Essex County Prosecutor’s Office social media & criminal prosecution project: The use of social media in developing intelligence and assisting with investigations was discussed as part of the joint research project to determine whether the use of social media aids in the effectiveness of criminal prosecution based on specified outcome measures.

In addition, the panel was organized by Thomas O’Reilly, Executive Policy Advisor to the Center on Policing. The panel was moderated by Jim Sheehan, the Program Manager of the NJ UASI. Presentations were made by Dr. Dennis Egan and Dr. Christie Nelson of CICCADA, and Deputy Director of Rutgers Institute for Secure Communities, Ava Majlesi, Esq. ■



NEWSLETTER

SPRING 2019

CorrStat & The Real Time Crime Center

Recently more than one hundred federal, state, county, and local police executives attended the 116th CorrStat meeting, held in its original meeting room at the MetLife Stadium. Led by Director Anthony Ambrose of the Newark Public Safety Department and Colonel Patrick Callahan of the New Jersey State Police, the session not only celebrated its history, but also planned the next evolution in crime-fighting, anchored in stronger collaborations, information sharing, and leveraging new communications and analytical technologies.

CorrStat refers to the 19-mile stretch of New Jersey State Highway Route 21. Connecting the cities of Paterson and Newark, the highway is made

up of 19 municipalities with police departments patrolling urban to suburban communities. Because of the disproportionate amount of violent crimes occurring in metropolitan areas along the CorrStat, it has become a necessity to utilize the resources of multiple police departments in order to actively and successfully fight crime.

The Real Time Crime Center (RTCC), established in 2013 at the Newark Police Headquarters, is celebrating its 5th year of operations. The RTCC targets crime in the CorrStat region by investigating, providing information, and utilizing shared resources. The RTCC is able to provide real time information to law enforcement agencies within the first two hours

of the crime's occurrence

The CorrStat program demonstrates the power of regional information sharing and the ability to make an impact on public safety challenges with the use of collaboration and leadership.

The RTCC is staffed by members of the Newark Police Department, New Jersey State Police Department, Irvington, Jersey City, Paterson, NJ Transit, Rutgers Police Department, and other CorrStat participating agencies. More information regarding CorrStat & information sharing can be found in a full length article authored by Colonel Rick Fuentes of the Center on Policing. This article can be found here ■

Meet The Staff: Jim Sheehan

Jim Sheehan is the Program Manager of the Northern New Jersey Urban Area Initiative that supports the Homeland Security efforts in the cities of Newark and Jersey City, and the counties of Bergen, Passaic, Morris, Essex, Hudson, Union, and Middlesex.

The Urban Areas Security Initiative, administratively supported by the Center on Policing, designed by the U.S. Department of Homeland Security and the New Jersey Office of Homeland Security and Preparedness, coordinates the Homeland Security grant funding program, conducts training,

and supports the efforts of fire, police, emergency management, and emergency medical responders as they conduct programs to prevent and protect against acts of terrorism.

Jim has a long public safety career working his way up from patrol officer and serving as the Acting Chief of Police in the Paramus Police Department, working with the U.S. Department of Justice in support of the fusion centers and the Suspicious Activity Report Program, and serving on the Board of Directors of the All Hazards Consortium (AHC). ■



Jim Sheehan



NEWSLETTER

SPRING 2019

Stress, Trauma, & Burnouts: UASI Provides Resiliency Training

The Northern New Jersey Urban Area Initiative (UASI) recently conducted training to assist the fire services in conducting pre-event resiliency training.

This program, established by the Israel Training and Resiliency Center focuses on addressing high levels of stress that can impair decision making, lead to mistakes, and affect the utility of life of our first responders. The training also focuses on identification of PTSD which, according to recent studies, may affect as many as 22 percent of our firefight-

ers. The course helps first responders identify early symptoms of other forms of substance abuse, early burnouts, and traumatization while raising awareness about providing treatment, promoting resiliency, and training professionals.

The UASI program intends to expand the offering of this training to police and emergency medical responders in the near future. For more information on training programs, please contact Ms. Rachel Tkatch at tkatch@nnjuasi.org. ■

How To Use New Technologies in Law Enforcement: Education & Assistance

Public Safety and Homeland Security agencies continue to explore and purchase technology applications to improve internal operations, support investigations, and express transparency in the communities they serve. Unfortunately many law enforcement agencies are not aware of developing technology and how these tools can assist those improving operations and management.

The Center on Policing, working with service providers with technology solutions, is conducting tech sessions via webinars that provide the opportunity for agency heads, chief information officers, and other operational and policy staff to learn about how

emerging solutions and other jurisdictions have integrated these programs into their successful public safety strategy. The current capacity can reach over 4,000 individuals in over 2,000 organizations nationwide.

Prior sessions have focused on cloud storage, body cameras, and license plate readers. Future topics will include artificial intelligence and machine learning, CCTV, records management, predictive analytics, etc.

Any company who provides services in the public safety area who would like to participate in future sessions should contact the COP at www.centeronpolicing.org ■

The Rise of Drones: CICCADA and COP Partner on Drone Workshop

Recently the Command, Control, and Interoperability for Advanced Data Analysis (CICCADA) and the Center on Policing (COP) hosted a workshop at Rutgers University on the use and policy issues associated with drones in public safety and homeland security applications.

The workshop was attended by over 75 law enforcement officers and prosecutors' staff.

The opening remarks were provided by Director Jared Maples of New Jersey Office of Homeland Security and Preparedness. He spoke about the rapid growth

in deployments, the emergence of technology, and the need for policy and coordination effort.

Detective Ralph Gonzalez, New York City Police Department, discussed how the NYPD is using drones, specifically the potential to use drones for criminal or

(con't pg. 6)



NEWSLETTER

SPRING 2019

(con't) The Rise of Drones: CICCADA and COP Partner on Drone Workshop

terrorism type activities and the regulations that guide the appropriate use by law enforcement. He emphasized that as the technology emerges public safety professionals must insure the appropriate use of drones and privacy issues.

The first panel moderated by Tom O'Reilly of the Center on Policing included Chief Gerard McAleer from the Middlesex County Prosecutor's Office, Director Scott DiGiralomo from the Morris County Public Safety Department, Sergeant Matthew J. Tiedemann from the Bergen County Office of Emergency Management and Lieutenant James Regan from the New Jersey

State Police. They addressed current and developing applications for the use of drones.

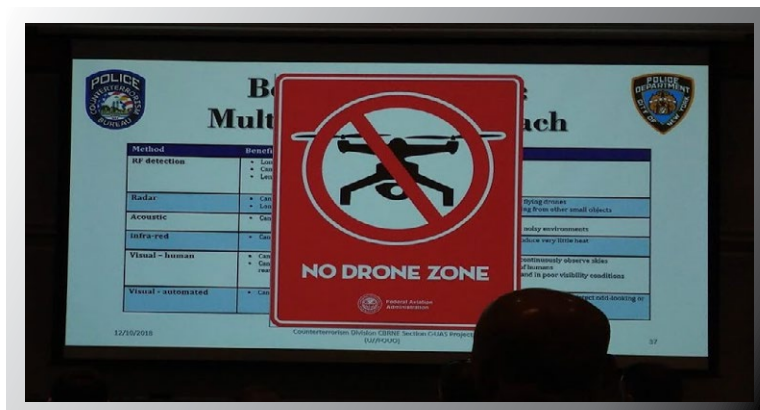
Linda Tartaglia of COP moderated a panel on counter drone activities that included Mr. Daniel DeLorenzi from Metlife Stadium, Mr. James Sheridan from PSE&G and Mr. Alejandro Ruiz from Rutgers University's Office of Emergency Management.

Additional panels were held on emerging technologies with Dr. Fred Roberts from CICCADA and Dr. Wade Trappe from the Rutgers University WINLAB, and on legal issues moderated by Dr. Dennis

Egan from CICCADA. A highlighted presentation was given by Director Elie Honig, Rutgers University Institute for Secure Communities and Dr. Andrew Weinert from MIT.

Three breakout sessions were held to further discuss the operational application of the information presented in the panels discussions and topics were identified for further workshop considerations.

The results of the workshop have been provided to United States Department of Homeland Security to help them develop topics for a national workshop on the use of drones to be held this Spring. ■



A potential solution regarding drone regulation

Networking & Education: Managing Law Enforcement Technology

The increasing dependence we have on technology and the risks it presents affect all law enforcement agencies. In an effort to help prosecutor and local law enforcement technology managers support each other, a group of New Jersey local government technology managers formed a state chapter of an inter-

national organization – Government Management Information Sciences (GMIS) International – in order to network, learn, and collaborate with one another. The result is NJ-GMIS – the state's association of government technology leaders.

(con't pg. 7)



NEWSLETTER

SPRING 2019

(con't) Networking & Education: Managing Law Enforcement Technologies

On Thursday, April 4 NJ-GMIS will be hosting its 10th Annual Technology Education Conference (TEC) in Somerset, New Jersey. The association is encouraging the state's law enforcement technology managers to join us for this event. There will be many relevant education sessions and it will provide an excellent opportunity for IT managers to meet each other and build their peer network. Attending the TEC is a great way to make connections and share experiences, tips, best practices and more.

Bottom line: if your agency manages your own technology you should join NJ-GMIS (by joining GMIS International, you join the state chapter as well), attend the TEC event (registration is cheaper if you join), and offer to get involved in creating a law enforcement special interest group of the chapter.

Details on the TEC can be found here and information about membership can be found at www.gmis.org. Or, you can email info@njgmis.org with any questions. ■

■ Intern Highlights ■

Jacob Koppel Egierd is a data intern at the Center on Policing. A Cognitive Neuroscience major at Rutgers University, Jacob is completing a minor in Biology, Philosophy, and Political Science, as well as a working towards the Certificate in Environmental Planning from the School of Biological and Environmental Sciences. Jacob participated in Army ROTC for three semesters while attached to a NJ National Guard Field Artillery unit. When not in class he's either assisting with research, tending bar, painting, or daydreaming about traveling to remote places. He seeks to maximize the safety and happiness of the American public (and beyond) by developing important, research projects and policies using evidence-based quantitative and qualitative research methods. ■

Zenobia Tamboly is a research intern at the Center on Policing. She is a junior studying Business Analytics and Information Technology and Supply Chain Management, with a minor in Economics. Zenobia has been an Emergency Medical Technician for 3 years and currently works part-time at the New Jersey Cybersecurity and Communications Integration Cell as a Cyber-Threat Intelligence Analyst. She is always looking for new ways to help her community. In her free time, she enjoys dogs, watching movies, and long walks on the beach. ■

Preeya Dave is a communication intern at the Center on Policing. Preeya is studying Communication with a minor in Digital Communication, Information, and Media at Rutgers University. Preeya currently manages the Center on Policing's website and helped develop this current newsletter. She is greatly interested in social media and public relation trends/strategies, government and politics, and writing/content creation. She enjoys being constantly creative and innovative in every aspect of her life. When not in class or work, Preeya can be found watching films, reading, and enjoying live music. ■

Tiger Li is a data Intern at the Center on Policing. Tiger is a junior studying Information Technology with a minor in Critical Intelligence Studies at Rutgers. In January 2019, Tiger started an internship with the New Jersey Division of Criminal Justice. Tiger hopes to pursue a position in IT or law enforcement after graduation. Also a Community Service Officer for Rutgers police, Tiger supervises 10 student officers in training and shift operations. Tiger also interned at COP from May through December of 2017. In his free time, Tiger enjoys running half-marathons, practicing languages, and spending time in the outdoors. ■



NEWSLETTER

SPRING 2019

Rick Fuentes Receives 2019 Robert P. Shumate National Public Safety and Justice Contributor to Excellence Award

At the awards reception held at the Annual IJIS Winter meeting in Tyson's Corner, IJIS Executive Director Ashwini Jarral presented Virginia retired Superintendent, Colonel of the New Jersey State Police Department, and member of the COP team, Rick Fuentes with the Robert P. Shumate National Public Safety and Justice Contributor to Excellence Award.

Fuentes has served on a variety of law enforcement boards. He was as a member of the Executive Committee of the International Association of Chiefs of Police, the general chair of the IACP State and Provincial Division, chair of the IACP Homeland Security Committee, and served six years as a member of the Second Executive Session on Policing at the Harvard University John F. Kennedy School of Government.

He has also worked as a charter member of two main law enforcement advisory bodies to the United States Attorney General: the Global Advisory Working Group and the Criminal Intelligence Coordinating Council. For five years, he was a seated charter member of the Director of National Intelligence's (ODNI) Law Enforcement Advisory Board, serving first under Director James Clapper and most recently under Director Dan Coats. In his position on the ODNI Law Enforcement Partner's Board, Fuentes has been tireless in his advocacy to raise the collective priority of the intelligence community against the scourge of international drug trafficking organizations, urban violence, and criminal street gangs.

Fuentes worked closely with the executive command of the Drug Enforcement Administration (DEA) to promote the use of the national fusion center network in the DEA and the U.S. Department of Health relations. This would allow for timely

assessments on the national impacts and consequences of the of the opioid crisis, particularly as it pertains to the increasing spread of heroin and fentanyl.



Rick Fuentes, Benji Hutchinson, & Ashwini Jarral

He is also an ardent supporter of collaborations between educational institutions and law enforcement – collaborations that have driven crime reductions, police reforms, and accountability measures that created greater legitimacy between law enforcement and the communities that it serves.

Fuentes was an early adopter of the concepts of information sharing and creating an information sharing environment. During his tenure with the Criminal Intelligence Coordination Committee and GLOBAL, he supported numerous pilot and demonstration projects to demonstrate the value of information sharing to support critical public safety priorities. ■