

National Child Protection Task Force

# 2021 International Virtual Conference Schedule



June 21 – 25, 2021  
Central Time Zone (UTC – 5)



**It's time to  
save lives.**



## Welcome to the 2021 NCPTF Conference!

Welcome to the virtual NCPTF Conference. Our goal is to provide valuable concepts, methodologies, and techniques that you can put to immediate use in any investigations that touch the internet. While our priority is cases involving missing, exploited, and trafficked children, what we teach applies to any investigation where mobile devices are used, such as terrorism, homicide, property, and drugs.

We can only go so far alone, whether that means as an individual or a law enforcement organization; we are always behind the curve when it comes to technology. The NCPTF was founded on the realization that real investigative power comes when we combine all our skills and expertise, work together, and reinvest what we learn back into our collective experience repeatedly.

Our biggest obstacles continue to be ego, worrying about who gets the credit, and the concept of jurisdiction. Jurisdiction was more straightforward when criminals operated on street corners and had local turf to protect. The internet and mobile devices have changed everything; how many times have we seen a victim in one country, a predator in a second country, and an investigator in yet a third country working the case? The way I see it, the internet is the jurisdiction. We must all work together without ego and without having one eye focused on how to get credit. Together, we share experience, insight, and resources as well as the frustration and those often fleeting glimpses of hope as we celebrate the recovery of a child anywhere in the world.

The sessions this week will focus on developing foundational skills and concepts in:

- Open Source Intelligence (OSINT)
- Image Analysis
- Cryptocurrency
- Social Engineering
- Dark Web investigations
- Prosecution
- And more!

We look forward to seeing you soon!

-Kevin Metcalf, Founder and CEO, NCPTF

## Platinum Sponsors

The NCPTF was able to make this conference free to law enforcement thanks to the support of our Platinum sponsors.



# SKOPENOW

## **Public information powers Skopenow**

Social media and the open web power our reports. With thousands of social media pages and millions of websites crawled, Skopenow provides comprehensive and thorough reports.

## **Reports include actionable data**

Skopenow builds digital footprints that include social profiles, blog posts, comments, contact info, court records, relatives, usernames, pictures, screenshots, timestamps, contact information, and metadata.

<https://www.skopenow.com/>



Searchlight builds innovative, industry-leading cyber tools that protect society from threats that originate from the Dark Web. We support law enforcement and help to protect people, assets, and infrastructures from harm. Searchlight provides threat visibility, makes user deployment simple, and promotes Dark Web safety through vigilance.

[www.slcyber.io](http://www.slcyber.io)



KELA, the global leader of Dark Net threat intelligence, develops and offers unique proprietary intelligence-based solutions for enterprises and law enforcement agencies worldwide. KELA's automated technologies monitor a curated set of Dark Net sources to alert clients of targeted threats.

All threats are analyzed and qualified by KELA's analysts, ensuring all intelligence is 100% actionable. Comprising more than 100 intelligence and technical experts all leveraging unique skills from Israel's elite military intelligence units, KELA's team is able to develop high-end technologies and analyze complex data from an intelligence-point-of-view.

<https://ke-la.com/>

# QOMPLX:

QOMPLX is a cloud-native leader in risk analytics. Our customers rapidly ingest, transform, and contextualize large, complex, and disparate data sources using our data factory in order to better quantify, model, and predict risks. We help organizations develop more informed risk strategies and decisions for [Cyber Security](#), [Insurance](#), and [Finance](#).

[www.qomplx.com](http://www.qomplx.com)

## Platinum Sponsor



We teach you a proven methodology for achieving repeatable success. We help you define the why, what and how to achieve your objectives and mission success in the world of open source intelligence. This means we teach you which tools to use and what techniques and procedures to apply so that they align with the *why*. The *so what* is that all our training is relevant and aligns to your mission.

Unfortunately many open source intelligence training programs focus on the tools only. They focus on "find a person on Facebook using a phone number" or "identify social networks from a username". These are techniques or simple use of tools only. While you may walk away with knowing how to use the tools it isn't nested in how to best achieve a task. OSINT Combine courses are designed and delivered by experts with years working in Special Operations, Military and Law Enforcement environments. We believe in training you to walk away knowing to achieve your task with confidence.

<https://www.osintcombine.com>

# NexusXplore

Find & explore people, places, and information from all major social media platforms using a single user-friendly interface

NexusXplore enables you to conduct advanced and hidden searching with AI-enabled technology to connect the dots.

<https://www.osintcombine.com/nexusxplore>

# Day 1

June 21 | Main Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

# Day 1 – June 21, 2021

*All times in CDT/UTC-5*

**8:30 – 9:00 a.m. – Opening**

**9:00 – 10:00 a.m.**

## **Barbara Jean Wilson**

Barbara Jean Wilson served as an Executive Coordinator in the Legal Division of Freddie Mac for fifteen (15) years and retired on March 31, 2020. In 2011, Barbara published her first book *Mute But Now I Speak* and in 2020 completed her second book *Blessings After Going Through The Valley*. Her testimony reveals how she overcame the pain of childhood sexual abuse and human trafficking and receiving the blessings of God. Barbara has been featured as guest speaker at numerous events across the U.S. to include the United Nations.

These events focus heavily on bringing awareness to the challenges of human trafficking, sexual, physical and mental abuse, and the overwhelming impact of the individual and to the community. In addition to receiving numerous awards for her hard work and dedication while working at Freddie Mac, Barbara was nominated as Woman of the Year by the Women's Interactive Network (WIN). During this event, Barbara was a featured panelist along with the Prince William County Chief of Police, to discuss Human Trafficking and Sexual abuse.

**10:00 – 10:15 a.m. – Break**

**10:15 – 11:15 a.m.**

## **Kelly Jo Hearsey**

Super Recognizers are people with extraordinarily good facial recognition ability. It is a skill they are born with and stems from the 'fusiform' area of the brain which recognizes faces. Super Recognizers are academically identified by the University of Greenwich as representing around 1% of the population. The science behind the skill is fully backed through extensive research by universities around the world.

Super Recognizers are used in both public and private sectors. There are a variety of areas in which they can assist. These include live deployments with law enforcement and private security to spot known subjects, post-event CCTV analysis, image identifications and comparisons.

Based in the UK, Kelly works for Super Recognizers International Ltd as Operations Manager. She has undergone extensive testing in the laboratory at the University of Greenwich and has also been part of a Super Recognition research programme at the University of Birmingham. According to Professor Josh Davis, who leads research into Super Recognition, Kelly's testing scores are the highest recorded out of some seven million people who have taken the online tests. Her experience so far includes finding new evidence in murder investigations for UK police forces, deploying on covert operations at high profile events such as the Wimbledon Tennis Championship and assisting in private investigations. Kelly carries out facial comparisons, surveillance and identifications for law enforcement, private security, authors, scholars, missing persons charities and cold cases. Kelly is the most experienced civilian Super Recognizer globally.

**11:15 – 11:45 a.m. – Break**

# Day 1 – June 21, 2021

**All times in CDT/UTC-5**

**11:45 – 12:00 p.m.**

**KELA – Maksim Goldenberg**

## **Exploring the Cybercrime Underground Ecosystem to Create Profiles for ‘Anonymous’ Child Traffickers**

"The cybercrime underground ecosystem – also commonly referred to as the Dark Web – welcomes countless criminal actors who leverage its anonymity and complexity to cause harm in many different ways. The millions of venues in the cybercrime underground are many times overlooked as an additional source of intelligence, however these sources enable a large component of child trafficking activities, making them a necessary source of intelligence collection for investigators. This session will explore the various ways in which investigators can penetrate the hardest-to-reach corners of the cybercrime underground to gain unique, contextualized intelligence that assists in quickly and effectively neutralizing criminal actors before they cause harm.

The session will dive deeper into how leveraging credentials and other identifiers of suspects and victims can be used to pivot to other critical data points such as related accounts, handles being used across different forums, related email addresses, and more. Additionally, the session will explain how investigators can proactively collect intelligence that could lead to identifying actors behind these heinous crimes – whether it be discovering actors' identification documents, email addresses, crypto wallets, PGP keys or other identifiers. Attendees will leave this session with skills on how to profile suspects that are already on the radar, identify new leads or suspects that could cause harm to children globally, and gain visibility into other key indicators that could help identify these criminal actors. Additionally, attendees will gain a deep understanding of how they can leverage the vast amounts of opportunities available in the cybercrime underground ecosystem to collect critical intelligence, which can be shared with law enforcement agencies to issue search warrants, conduct arrests, and eventually stop child traffickers from operating globally."

**12:30 – 12:45 p.m. – Break**

**12:45 – 1:45 p.m.**

**Alani Bankhead**

Alani will discuss Operation Shine the Light as an example of how any law enforcement officer or child advocate can leverage federal, state, local, and military partners to help locate and recover missing and runaway children. Through fusing the collaborative Task Force model and incorporating all pillars of the justice and aftercare cycles into operational planning and execution, law enforcement agencies will not only receive better operational results but also facilitate survivor healing journeys.

**1:45 – 2:00 p.m. – Break**

# Day 1 – June 21, 2021

*All times in CDT/UTC-5*

**2:00 – 3:00 p.m.**

**Bryan Hurd**

## **In the Breach: Days, Nights, and Weekends in the life of a Global Cyber Smoke Jumper**

This session is a view into the past, present and future of cyber attacks hitting our companies, communities and families. Leading global teams that General Counsels, CEOs and CISOs call in emergencies or to avoid one, Bryan will be discussing not only some of the trends and technical issues in what the adversaries are doing, related to ransomware, intrusions and extortion, but the way that technical and executive leaders can protect, avoid, or respond to attacks from cyber criminals or insiders.

**3:00 – 3:15 p.m. – Break**

**3:15 – 4:15 p.m.**

**Rita Singh**

This talk will provide insights into the emerging science of human profiling from voice. The human voice is the product of a complex biological process that is influenced by myriad factors. Due to the enormous number of parameters that play a role in its production, no two voices in the world are alike. This opens up the possibility of voice being both, an identifier (a biometric) and a descriptor for the speaker. As an identifier, voice is in fact more unique than either DNA or fingerprints. As a descriptor, voice is more revealing than DNA and fingerprints. It carries information that can be linked to the current (referring to the time of production) physical, physiological, demographic, medical, environmental and myriad other bio-relevant characteristics of the speaker.

The science of profiling builds on the hypothesis that if any factor whatsoever influences the human mind or body, and if a biological pathway exists between that influence and the voice production mechanism, then there must exist an effect on voice. The challenge lies in discovering and quantifying these effects. Recent breakthroughs include recreating the human face from voice in-vacuo, and it continues to progress towards the reconstruction of the human physical form in 3D from voice alone. This talk will cover some salient aspects of this technology.

**4:15 – 4:30 p.m. – Break**

**4:30 – 5:00 p.m.**

**Sharie Finn**

Sharie is a wife, mother (biological and adoptive) and a grandmother. Sharie has over 20 years experience in the family law and juvenile dependency arena and has worked with Child protective services in the capacity of a foster parent and advocate for 22 years. Together with her husband, Wally, they have fostered over 100 children in San Diego, CA. Sharie will share her insights into foster care and the challenges facing both foster parents and foster children.

# Day 2

June 22 | Main Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

## Day 2 – June 22, 2021

*All times in CDT/UTC-5*

**8:30 – 9:45 a.m.**

**Micah Hoffman**

### **Website OSINT: Discovery and Exploration of Web Resources**

Everyday we use websites. We browse to their many pages, view their images and videos, and interact with the pages we see. But there are many website resources on those sites that you will not see unless you go looking for them. Unlinked pages, encoded parameters in URLs, HTTPS certificates, and archived website page data may hold the valuable OSINT data you need but may elude you unless you know where and how to look for them.

Come join Micah Hoffman, President of The OSINT Curious Project and NCPTF OSINT Investigator, as he demonstrates simple and effective website data discovery techniques in easy-to-follow, live demonstrations.

**9:45 – 10:00 a.m. – Break**

**10:00 – 10:45 a.m.**

**Joe Gray**

In this session, Joe will show quick wins in terms of Investigation Safety, Privacy, and OPSEC in terms of considerations, techniques, and downfalls. We will specifically examine segregation of person and professional presences, VPNs, Cryptography, and Access Controls. The session will conclude with a discussion about D&D (Disinformation and Deception) on a personal level.

**10:45 – 11:00 a.m. – Break**

**11:00 – 12:00 p.m.**

**Chris Hadnagy**

### **The Science of Social Engineering Used in Grooming**

In this session Chris will define what social engineering is and how science can help us understand the ways it is used to influence or manipulate targets into doing something they should not do. This same science will be applied to how groomers and online child predators use these basic triggers to manipulate a child into sexexploitation. He will discuss an actual case (all names and PII excluded) to showcase how this works and works fast.

**12:00 – 12:15 p.m. – Break**

## Day 2 – June 22, 2021

*All times in CDT/UTC-5*

**12:15 – 1:15 p.m.**

**Justin Seitz**

Evidence presentation with Hunchly

**1:15 – 1:30 p.m. – Break**

**1:30 – 2:15 p.m.**

**QOMPLX**

The goal of this presentation is to act as a primer for different resources. These solutions can assist LEO/Investigator in their day to day activities. We will cover the importance of archiving websites and release a tool that will assist in detecting infrastructure. We will review the importance of knowing what social media site people are downloading and where to find relevant information for your investigation.

Our team will touch on Deep Web, Dark Web and data breach details to assist Investigators. We will give a brief but important primer on Operational Security for investigations. The goal of the talk is to explore some of the many techniques that our team uses every day. We use these methods to secure the security of our clients. Learning what can help you with an investigation can save time and lives.

**2:15 – 2:30 p.m. – Break**

**2:30 – 3:30 p.m.**

**Ed Padinski**

PAI/OSINT in DoD is evolving through necessity and focus, from the old days of the "Foreign Broadcast Information Service" to simple search engines, to information discovery and ultimately deliberate analytic effort. This evolution is ongoing across policy, authorities, methodologies, and compliance with applicable laws and regulations - not always an easy road. Some analysts argue that it's the best source of info in "denied" areas and in competition - often providing leads and context better than other means. In addition, the intel philosophy of "start with OSINT" is gaining ground (despite some 'old guard' resistance), presents both threats and opportunities, and is distinctively relevant to discovering relevant information - often at much lower cost than traditional means - from target discovery to counterintelligence.

**3:30 – 3:45 p.m. – Break**

## Day 2 – June 22, 2021

*All times in CDT/UTC-5*

**3:45 – 4:45 p.m.**

**Lisette Abercrombie (technisette)**

### **Finding Hidden Information on Facebook**

Ever ran into a Facebook profile which might seem to hold no information at all? Everything hid with privacy settings? Well, there is still some good information to be found! Think about all of the publicly available data that can still be found. During this workshop Lisette Abercrombie will teach you some basic search techniques and some tactics to get more information out of a 'closed' Facebook profile.

**4:45 – 5:00 p.m. – Break**

**5:00 – 6:00 p.m.**

**Warren Holston**

### **Hunting with Advertising Data**

The presentation will focus on the vulnerabilities of AdTech data and how to exploit poor digital tradecraft to hunt predators in the wild.

# Day 3

June 23 | Main Track

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## Day 3 – June 23, 2021

*All times in CDT/UTC-5*

**8:30 – 9:30 a.m.**

**Chad Gish**

### **How One Phone Call Led to over 400 Man Years in Prison**

Late one night a detective received a phone call from a law enforcement partner across the country. The resulting investigation rescued several young children from their nightmarish horror and resulted in filling a small prison.

**9:30 – 9:45 a.m. – Break**

**9:45 – 10:45 a.m.**

**Griffin Glynn**

### **Finding the Unfindable: A Crash Course in Pivoting**

When a child goes missing, the clock starts ticking. Law enforcement employs a variety of traditional tools and methods to combat cases of missing, trafficked, and exploited children. What can be done when those options don't work, or when they are taking too long in an urgent situation? Open source intelligence can fill that gap as well as play a vital role in leading investigators to places they might look for critical evidence, especially in cases involving minors. In this presentation, Griffin (hatless1der) will provide examples and instruction around leveraging open source resources and methodology to expand upon emails, user names, and phone numbers. This information will be applicable to a wide variety of investigation types, but is especially relevant to cases involving children.

**10:45 – 11:00 a.m. – Break**

**11:00 – 11:30 a.m.**

**Dean O'Neal**

### **The Art of the Search**

Gathering intelligence through extremely powerful advanced search operators on google, also known as Google Dorking a common skill used by hackers all over the world and now utilised for the purposes of intelligence gathering to help find information and identity targets under investigation

**11:30 – 12:00 p.m.**

**Luke Phillips**

### **CVLT - An Evolution In Offenders Tactics**

A case study of how between 2020 and 2021 a high harm online group targeted children by evolving their tactics in ways never before seen by law enforcement. The groups rise and demise at the hands of a truly global investigation.

## Day 3 – June 23, 2021

*All times in CDT/UTC-5*

**12:00 – 12:30 p.m. – Break**

**12:30 – 1:30 p.m.**

**Jake Creps**

### **Using Dark Web Information for Active Investigations**

Information on the surface web is very valuable for open source intelligence and investigations; however, failing to account for information on the dark web from sources like Tor, IRC/I2P, and Zeronet can be an incredible missed opportunity. Join Skopenow as we look at the value of data breaches, paste sites, and other content for digital investigations.

#### **Key Takeaways:**

Learn about the value of content from the dark web in the context of your investigation. See how the use of dark web-enabled technology can increase your efficiency, serve as a work force multiplier, and allow you to add more value to your organization. Understand the value of information within data breaches and how it can enhance your investigation with open source information.

**1:30 - 1:45 p.m. – Break**

**1:45 – 2:45 p.m.**

**Steven Harris**

### **Image Geolocation & OSINT Techniques & Case Study**

The presentation will look at some key concepts and skills for image geolocation. The second half of the presentation will look at a real-life LE case study where geolocation and other OSINT techniques were used to trace a victim and her abuser as they moved across Europe.

**2:45 – 3:00 – Break**

**3:00 – 3:30 p.m.**

**Nicole Beckwith**

### **Keeping Your Puppies On A Leash. How to Train Your Brain for Investigations**

How many times have you told yourself “I’m fine”, “I can handle it” “It’s not going to bother me”? We are conditioned to be tough, bulletproof and resilient, but few of us ever receive the training necessary to actually combat the horrors we see on a daily basis. I didn’t either, so let me give you the down and dirty, no BS, LEO to LEO, tips and tricks I wish I would have had before I started working cases. Learn to keep your emotions in check and prevent your puppies from coming off the leash.

## Day 3 – June 23, 2021

*All times in CDT/UTC-5*

**3:30 – 4:00 p.m.**

**Jessica Smith**

### **Profiling the Boogieman: Motivations, Grooming Tactics, and Victimization Practices of Online Predators**

Your parents always told you not to get in a car with strangers, but they never had to tell you not to accept online friend requests from them. With more of the human existence shifting into the digital realm, threats of online exploitation continue to increase, particularly for children. In this session, you will take a deep dive into the motivations of those who hunt children online and examine their targeting, grooming, and victimization processes under a microscope, in order to more effectively initiate, investigate, and prosecute cases of online exploitation.

**4:00 – 4:15 p.m. – Break**

**4:15 – 5:15 p.m.**

**Chris Poulter**

### **Investigating Businesses during Child Exploitation Cases**

This presentation will explore how OSINT can be used to profile, investigate & leverage businesses as part of investigating child exploitation or human trafficking cases. We will go through a methodology to build repeatable success & look at novel ways on how leads can be generated using corporate profiling techniques across multiple sources including domain & IPs, corporate records & social media.

# Day 4

June 24 | Main Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

## Day 4 – June 24, 2021

*All times in CDT/UTC-5*

**8:30 – 9:30 a.m.**

**Glen Pounder**

**Overview of Child Rescue Coalition’s work in decentralized networks.**

How law enforcement can access free investigative technology and what CRC is doing to work with other organizations in order to protect children.

**9:30 – 9:45 a.m. – Break**

**9:45 – 10:45 A.M.**

**Benjamin Strick**

**Identifying Where, When And Who From A Single Image**

What can you do with a single image when there’s no metadata available? How can you answer the simple questions of where, when and who from visual evidence? This session uses a number of case studies such as Europol’s Trace an Object Project, human rights, and others, to show how a single image, or video, can reveal those details, and more. The case studies will include technical skills such as geolocation, chronolocation, visual forensics, search engines, and the power of a few simple search terms.

**10:45 - 11:00 a.m. – Break**

**11:00 – 11:45 a.m.**

**Searchlight**

Searchlight builds innovative, industry-leading cyber tools that protect society from threats that originate from the Dark Web. We support law enforcement and help to protect people, assets, and infrastructures from harm. Searchlight provides threat visibility, makes user deployment simple, and promotes Dark Web safety through vigilance.

**11:45 – 12:00 p.m. – Break**

## Day 4 – June 24, 2021

*All times in CDT/UTC-5*

**12:00 – 1:00 p.m.**

**Samantha Gamble**

### **Demystifying the Dark Web**

As investigators, and as individuals, we need to be adapting as the predator landscape increases. With the Dark Web growing beyond just TOR, offenders are capitalizing on the abundance of avenues to exchange information and build their communities. Keeping up with the pandemic of CSAM can be an overwhelming task, especially when Dark Web activity comes into play. This talk will cover the predator landscape and how an investigator can utilize services to mine for bits of information. Come learn how to shed a light on the darkest areas of the internet!

**1:00 – 1:15 p.m. – Break**

**1:15 – 2:15 p.m.**

**John Penn**

Digital media is playing an increasingly important role in law enforcement. This talk will look at how tools and techniques have been developed to help solve cases using clues found in digital media files including photos, video and audio. Adobe computer scientist John Penn II will walk through the transition from Photoshop engineering to working with law enforcement. Practical techniques and cases will be covered – including victim identification in crimes against children cases, digital media collection issues in mass events, digital media authenticity issues and future technologies.

**2:15 – 2:30 p.m. – Break**

**2:30 – 3:30 p.m.**

**Amy Herman**

### **The Art of Perception: Seeing What Matters Now**

Amy Herman, a lawyer and art historian, uses works of art to sharpen observation, analysis, and communication skills. By showing people how to look closely at painting, sculpture, and photography, she helps them hone their visual intelligence to recognize the most pertinent and useful information as well as recognize biases that impede decision making. She developed her Art of Perception seminar in 2000 to improve medical students' observation and communication skills with their patients when she was the Head of Education at The Frick Collection in New York City. She subsequently adapted the program for a wide range of professionals and leads sessions internationally for the New York City Police Department, the FBI, the French National Police, the Department of Defense, Interpol, the State Department, Fortune 500 companies, first responders, retailers, and the military. In her highly participatory presentation, she demonstrates the necessity for astute visual literacy and how the analysis of works of art affords participants an innovative way to refresh their sense of critical inquiry and skills necessary for sharper performance and effective leadership. The program has been featured in The New York Times, The Wall Street Journal, The CBS Evening News, and Smithsonian Magazine, among others. Her TED talk, A Lesson on Looking, went live in December 2018. Ms. Herman holds an A.B., a J.D., and an M.A. in art history. Her book, Visual Intelligence: Sharpen Your Perception, Change Your Life, was published in May 2016 and was on both the New York Times and Washington Post best sellers' lists.

## Day 4 – June 24, 2021

*All times in CDT/UTC-5*

**3:30 – 3:45 p.m. – Break**

**3:45 – 4:45 p.m.**

**Mark Massop**

Mark Massop has over twenty-eight years of progressive experience in intelligence-related research and analysis with specialization in drug enforcement policies and law enforcement intelligence. He is a recognized expert in law enforcement technology solutions. He is experienced in preparing various reports using opensource, corporate, private, governmental, and academic resources and in designing and delivering highly customized training programs and software solutions for the intelligence analysis field.

# Day 5

June 25 | Main Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

## Day 5 – June 25, 2021

**All times in CDT/UTC-5**

**8:30 – 9:30 a.m.**

**Joseph Scaramucci**

### **Myths and Misinformation in Human Trafficking**

Join Joseph as he confronts statistics and fact checks some of the most cited and widely known trafficking statistics.

**9:30 – 9:45 a.m. – Break**

**9:45 – 10:45 a.m.**

**Johnny Kessler**

### **Reverse Image Search for Investigations: Identifying People, Objects, Locations with New Image Search Technology**

- I. What are the limitations of using previous technology for image recognition?
- II. Quick summary on different types of Artificial Intelligence (supervised, unsupervised)
- III. How can Unsupervised AI be applied to reverse image search? How deep can it go?
- IV. What happens if images are purposefully or accidentally altered/varied? (skew, shear, perspective, vantage points, distortions)
- V. Finding Locations using common objects and other associated images (common objects, seemingly unrelated images)
- VI. Limitations - Only as good as the images we collect, but we can look deeper into images than ever before.
- VII. Q&A

**10:45 – 11:00 a.m. – Break**

**11:00 – 12:00 a.m.**

**Sev Dishman**

Cellular Mapping and Analysis

**12:00 – 12:15 p.m. – Break**

## Day 5 – June 25, 2021

*All times in CDT/UTC-5*

**12:15 – 1:00 p.m.**

### **Panel Discussion**

We will have a discussion on technological issues surrounding facial recognition, breach data, dark web data and much more. This talk will include representatives from Biometrica, Echosec, and Dehashed.

**1:00 – 1:15 p.m. – Break**

**1:15 – 2:15 p.m.**

### **Mike Pezelle**

Cellular mapping and analysis.

**2:15 – 2:30 p.m. – Break**

**2:30 – 3:30 p.m.**

### **Larry Cameron**

The presentation will provide a basic overview of cryptocurrency and what to look for when executing a search warrant, investigating or performing forensics. It will also cover steps in order to trace the funds, attribution and best practices.

**3:30 – Wrap up and Conclusion**



# Missed a speaker? Access it after.

The majority of our talks will be recorded and archived for attendees to access. You will get an email from OSINT Combine with instructions on how to enroll and view recordings when they become available. This will also give you access to last year's recordings and NCPTF webinars. If you have any questions email [conference2021@ncptf.org](mailto:conference2021@ncptf.org).

## Conference Sponsors

The NCPTF was able to make this conference free to law enforcement thanks to the support of our Gold sponsors.



## Gold Sponsors



**DeHashed**

We make industry-leading open-source intelligence and cyber security accessible to everyone - from the thousands of law enforcement agencies to the Fortune 500 companies we partner with globally, DeHashed is committed to supporting the day-to-day investigations and protection needs of the organizations who need it most.

[www.DeHashed.com](http://www.DeHashed.com)



Echosec Systems provides web-based solutions for security and intelligence teams who need access to a wide range of public online data. Streamlined data access enables our clients to investigate security threats more effectively and protect people and nations in real-time during critical events.

[echosec.net](http://echosec.net)



**biometrica**

We built a multi-jurisdictional 24x7 automated criminal background check, which allows you, as an employer — at a bank, office, hospital, church, school, store, restaurant, hotel, casino, cab, nursing home, or even your own home — to keep your employees, volunteers, and customers safe through continuous monitoring.

Our arrest data is 100% law enforcement-sourced and updated every hour. You receive an encrypted alert as soon as law enforcement updates data about a potential match to an employee, contractor or volunteer in your system, and are then provided information on that match through a case file. You, as an employer, make the final determination on that match based on the information you receive.

<https://www.biometrica.com>

# Day 1

June 21 | Prosecutor Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

# Prosecutor's Track Day 1 – June 21, 2021

*All times in CDT/UTC-5*

**8:30 – 9:00 a.m.** – Opening & Welcome

**9:00 – 10:00 a.m.**

**Barbara Jean Wilson**

Barbara Jean Wilson served as an Executive Coordinator in the Legal Division of Freddie Mac for fifteen (15) years and retired on March 31, 2020. In 2011, Barbara published her first book *Mute But Now I Speak* and in 2020 completed her second book *Blessings After Going Through The Valley*. Her testimony reveals how she overcame the pain of childhood sexual abuse and human trafficking and receiving the blessings of God. Barbara has been featured as guest speaker at numerous events across the U.S. to include the United Nations. These events focus heavily on bringing awareness to the challenges of human trafficking, sexual, physical and mental abuse, and the overwhelming impact of the individual and to the community. In addition to receiving numerous awards for her hard work and dedication while working at Freddie Mac, Barbara was nominated as Woman of the Year by the Women's Interactive Network (WIN). During this event, Barbara was a featured panelist along with the Prince William County Chief of Police, to discuss Human Trafficking and Sexual abuse.

**10:00 – 10:15 a.m. - Break**

**10:15 – 12:00 p.m.**

**Robert Peters**

**He Said, She Said, We Looked: Corroboration and Technology-Facilitated Crimes Against Children**

Every child sexual abuse case has corroborating evidence, but often child protection professionals do not fully develop this critical piece. Further, diverse online platforms are now utilized for exploitive purposes, the quantity of child sexual abuse material in existence has skyrocketed, and offender strategies continue to increase in sophistication. This workshop will focus on several underutilized avenues of corroboration, with an emphasis on digital evidence, maximizing corroborative evidence at trial, and offender communication themes in the digital age.

**12:00 – 1:00 p.m. - Lunch**

**1:00– 2:15 p.m.**

**Joseph Remy**

**Finders Keepers, Loser Weepers: Legal Process with Cloud Providers, Search Warrant Drafting Considerations, and Defeating Encryption**

Prosecutors are frequently asked how to obtain digital evidence from internet service providers and social media platforms. This course will discuss the various different legal processes at the disposal of law enforcement, how to preserve digital evidence, and drafting appropriate search warrants.

## Prosecutor's Track Day 1 – June 21, 2021

*All times in CDT/UTC-5*

**2:30 – 5:00 p.m.**

### **Stuart Peck – Prosecutor OSINT Capture the Flag**

It is one thing for a prosecutor to have an understanding of open source intelligence (OSINT) and the many ways it can be utilized in criminal investigations, but it is an entirely different thing to have a working knowledge of how it works. This crash course in OSINT will walk prosecutors through entry-level OSINT investigations and how it can be applied in investigations and trials.



# Day 2

June 22 | Prosecutor Track

Zoom link will be provided for each day. Email [conference2021@ncptf.org](mailto:conference2021@ncptf.org) with any questions.

# Prosecutor's Track Day 2 – June 22, 2021

*All times in CDT/UTC-5*

**9:00 – 10:15 a.m.**

**Jessica Smith**

## **Profiling the Boogieman: Motivations, Grooming Tactics, and Victimization Practices of Online Predators**

Your parents always told you not to get in a car with strangers, but they never had to tell you not to accept online friend requests from them. With more of the human existence shifting into the digital realm, threats of online exploitation continue to increase, particularly for children. In this session, you will take a deep dive into the motivations of those who hunt children online and examine their targeting, grooming, and victimization processes under a microscope, in order to more effectively initiate, investigate, and prosecute cases of online exploitation.

**10:15 – 10:30 a.m. - Break**

**10:30 – 12:00 p.m.**

**Justin Fitzsimmons**

## **Current Topics in Digital Investigations**

Digital evidence collection is a constantly evolving field. From new apps to Internet platforms, there is always a new way of investigating and prosecuting crimes with digital evidence. Join Justin Fitzsimmons of NW3C as he discusses how to secure data from cyberspace by utilizing privacy policies, terms of service, and online user archiving tools. He will also discuss using the same sources to tailor language in legal process to ensure expedient collection.

**12:00 – 1:00 p.m. - Lunch**

**1:00– 2:15 p.m.**

**Orin Kerr**

## **Current Topics in the Law of Digital Criminal Procedure**

While there is a wealth of digital evidence available, with each technological breakthrough law enforcement and prosecutors must consider the various constitutional implications. This session will discuss how the Fourth and Fifth Amendments apply to a series of controversial law enforcement tools, such as geofence warrants, buying information from third-party databases, and compelled decryption.

**2:00 – 2:15 p.m. - Break**

**2:15 – 3:15 p.m.**

**Teresa Jauregui**

## **Pretrial Motions and Discovery**

The investigation is now complete, but how do you address the potential minefield of discovery issues, expert reports, and attempts to exclude the digital evidence law enforcement worked so diligently to obtain? This course will discuss how to handle pretrial matters and set your trials up for success.

## Prosecutor's Track Day 2 – June 22, 2021

*All times in CDT/UTC-5*

**3:15 – 3:30 p.m. Break**

**3:30 – 4:30 p.m.**

**Teresa Jauregui**

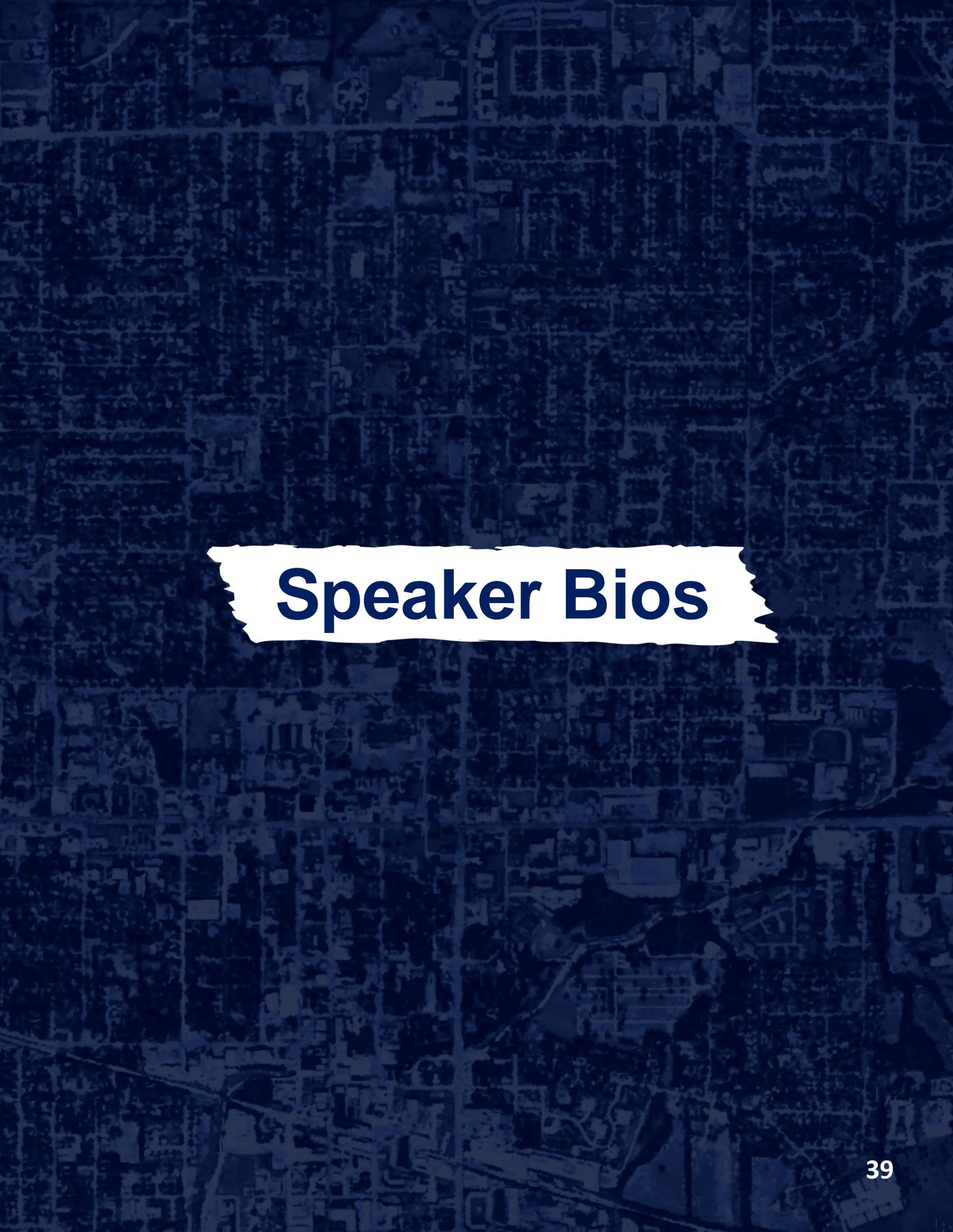
### **Admission of Digital Evidence at Trial**

"How can you prove that the defendant sent this message?" Every prosecutor has been challenged on their ability to lay a solid foundation when admitting digital evidence and remove doubt from the minds of jurors. This unit will discuss the variety of ways that you can authenticate digital evidence, which experts to utilize, and ways to discuss digital evidence in a way that will have the most impact on jurors.



# Need CLE hours?

Certificates will be given to those who complete the feedback form that will be sent out. If you have any questions email [conference2021@ncptf.org](mailto:conference2021@ncptf.org).

The background is a dark blue, semi-transparent aerial photograph of a city grid, showing streets, buildings, and green spaces. A white, torn-paper style banner is positioned horizontally across the middle of the page.

# Speaker Bios

## Speaker Bios

### **Kevin Metcalf – President and Co-Founder NCPTF**

Kevin Metcalf is a former federal agent turned prosecutor and founder of the National Child Protection Task Force (NCPTF). The NCPTF brings together experts in legal strategy, OSINT, cellular mapping and analysis, dark web, cryptocurrency, and more to aid law enforcement agencies worldwide on cases involving missing, exploited, and trafficked children. Kevin has assisted with the recovery of numerous missing and exploited children and the identification and apprehension of sexual predators in multiple countries. He is considered an international leader in innovative approaches to synthesizing legal, closed, and open-source intelligence to support missing person recovery and counter-human trafficking cases worldwide.

### **Kevin Branzetti – Vice President and Co-Founder NCPTF**

Kevin Branzetti is the Deputy Chief of Intelligence at the Manhattan District Attorney's Office assigned to oversee terrorism and cyber-crime related investigations. He retired from the NYPD in 2015 after 22 years of service and has been involved with criminal, financial and terrorism investigations, cyber intelligence, human intelligence, source development, and intelligence collection, analysis and dissemination. During the last 12 years of his career at the NYPD, he worked in the Intelligence Bureau supervising terrorism investigations and counterterrorism programs. The final six years in Intel he was the commanding officer of the Cyber Intelligence Unit. During this time he created the Cyber Intelligence Unit's terrorist targeting program, developed and implemented rules and guidelines for cyber investigations and cyber undercover officers to ensure legal compliance and efficient use of Unit resources, briefed law enforcement agencies from around the world on cyber investigation techniques, briefed private sector entities on foreign terrorist organizations' (FTOs) use of the internet, created a training course on using the web to investigate a target of investigation, and was the NYPD Liaison to social media corporations.

## Speaker Bios

### **Robert Liscouski – Chairman and Co-Founder NCPTF**

Mr. Liscouski is also a founding member and board member for the National Child Protection Task Force. Mr. Liscouski was appointed by President George W. Bush as the first Assistant Secretary for Infrastructure Protection when the U.S. Department of Homeland Security was founded in 2003. During his tenure as Assistant Secretary for Infrastructure Protection, Mr. Liscouski was responsible for the design, development, implementation and oversight of the Office of Infrastructure, including:

- The National Cyber Security Division – The nation's first coordinated civilian effort to work coordinate the US Government and private sector cyber security efforts.
- Expansion of the Information Sharing Analysis Centers (ISACs) and the Creation the National Infrastructure Coordination Center a Public-Private Partnership to protect critical infrastructure.
- The design, development and implementation of the National Infrastructure Protection Plan (NIPP) and the development of DHS' Risk Management Framework for Infrastructure Protection.
- Chemical Security Legislation – The Chemical Facility Anti-Terrorism Standards (CFATS)
- Committee of Foreign Investment in the US (CFIUS) Matters

Mr. Liscouski served as President and Director of Implant Sciences Corporation, a leading manufacturer of Explosive Trace Detection equipment and was Director of Information Assurance at the Coca-Cola Company and Vice President of the Law Enforcement Division of Orion Scientific Systems, a developer of advanced analytic software tools. Earlier in his career, he served as a Diplomatic Security Service Special Agent with the U.S. Department of State and a Homicide and Undercover Investigator for the Bergen County (New Jersey) Prosecutors Office.

Mr. Liscouski is also currently a visiting fellow at the Center for Strategic and International Studies as Washington DC based think tank and served as a board member of the Intelligence Science Board supporting the Director of the Central Intelligence Agency and the Director of National Intelligence. Mr. Liscouski is a frequent contributor to CNBC, CNN, Fox News, and other business and security media on Homeland Security and Cyber Security issues.

## Speaker Bios

### **Lisette Abercrombie (technisette)**

Lisette Abercrombie has been working for the Dutch National Police for over eight years. After working in the serious and organized crime division in Amsterdam and the National High Tech Crime Unit, Lisette is currently working in regional police force of the province Noord Holland where she's part of 'Team Digital Investigations' and helps different teams solve their cases using OSINT techniques.

In her spare time she's active in the OSINT community under the pseudonym @technisette and shares her techniques and tools on Twitter, The OSINTcurious Project and on technisette.com

### **Alani Bankhead**

Alani Bankhead is a special agent and the Alternate Commander for the Hawaii Internet Crimes Against Children (ICAC) Task Force out of the Hawaii Department of the Attorney General's office which also covers the US territories of Guam, American Samoa, and the CNMI. She is also the handler for K9 Lulu, an electronic detection K9 who helps investigators find digital media devices in support of child sex exploitation cases. Prior to moving to Hawaii, Alani was the International Director of Investigations and Law Enforcement Development at the International Justice Mission, the world's largest anti-slavery organization. In that capacity, she was responsible for all child sex abuse and sex trafficking cases in the Latin American area of responsibility including offices in the Dominican Republic, Guatemala, Bolivia, and El Salvador. Alani is also a 17-year Air Force veteran where she served as an Office of Special Investigations special agent. Previous assignments include running informants targeting Al Qaeda senior leaders with special operations in Iraq, protecting sensitive technologies from falling into the hands of spies, serving as the senior bodyguard to the Secretary of the Air Force, and investigating felony-level criminal offenses. Alani is passionate about protecting vulnerable populations, detests when the strong use their power to take advantage of the weak, and believes we always achieve more when we do it together.

### **Nicole Beckwith**

Ms. Beckwith works as an Advanced Security Engineer for the Kroger Technology Automation and Tools team. In this role she is responsible for the planning, design and build of security architectures to ensure a strong security posture, compliance with regulations, and safeguard customer's data.

She also conducts research on emerging products, services, protocols, and standards in support of security enhancement and development efforts.

Ms. Beckwith is a former state police officer, and federally sworn U.S. Marshal. She worked as a financial fraud Investigator and digital forensic examiner for the State of Ohio and a Task Force Officer for the United States Secret Service in their Financial and Electronic Crimes division.

Nicole recently worked as a Staff Cyber Intelligence Analyst for GE Aviation tracking and researching APT and cybercrime groups and conducting OSINT investigations for stakeholders.

## Speaker Bios

### Larry Cameron

Larry has 20+ years experience in Information Technology and Cyber Security. He is currently the Chief Information Security Officer of the Anti-Human Trafficking Intelligence Initiative and Jenttu Technologies Inc. He holds over 60+ technical certifications including Certified Cryptocurrency Investigator (CCI) and CipherTrace Certified Examiner (CTCE).

### Jennifer Clark

Jennifer Clark leads the North American law enforcement outreach team for Western Union's Financial Intelligence Unit. The law enforcement team serves as the first point of contact for federal, state and law enforcement agencies and provides both tactical and strategic assistance.

### Jake Creps

Jake Creps (jake@skopenow.com) is an open source intelligence specialist with an emphasis on digital investigations. He's held a variety of positions in the public and private sector focusing on different aspects of security intelligence. He's now the product manager at Skopenow assisting in the continuous improvement of the platform's automated intelligence process.

### Sev Dishman

Sev Dishman is an instructor with the ZetX Corporation. Sev's time with ZetX began after serving 30 years in the United States Army, just over 20 of those years were spent in the Special Operations community, retiring as a Sergeant Major. A few of Sev's Military Occupational Specialties include 18E (Special Forces Communications Sergeant), 18F (Special Forces Operational and Intelligence Sergeant), and 18Z (Special Forces-ODA Team Sergeant and Sergeant Major). Sev has spent several years working with law enforcement both overseas and within the United States conducting operations involving cellular devices and providing DoD resources to law enforcement agencies along the Southwest border. Sev joined ZetX in early 2019 and continues to provide training for law enforcement as it pertains to cellular geo-location mapping and analysis.

## Speaker Bios

### Adam Drucker

Adam Drucker is the Director of Global Law Enforcement Outreach and Response within PayPal's Global Investigations. In this role, he has global oversight for subpoena compliance and law enforcement support, the creation and management of initiatives countering major threats, and external engagement strategies. He started with PayPal in March of 2018 after retiring from the FBI where he led teams involved in Counterterrorism efforts and Financial Crimes.

Adam entered on duty with the FBI in 1995. He was first assigned to the New York Field Office where he investigated Complex Financial Crimes violations. He was the case agent on two major undercover operations targeting mortgage fraud and credit card fraud. After the terrorist attacks on September 11, 2001, he was assigned as one of the case agents for the ensuing investigation. As such, he was responsible for tracing the sources and uses of the funds used in the attacks which led to the successful identification and capture of several Al-Qa'ida operatives and facilitators. His work on that case was referenced throughout the 9/11 Commission report. In 2003, he was selected for the position of Supervisory Special Agent for the newly created Terrorist Financing Operations Section (TFOS) within the Counterterrorism Division at FBI Headquarters. In this role, he led a team dedicated to the investigation and disruption of financing activities of Sunni extremist groups. In 2004, he was selected to be detailed to the CIA Counterterrorism Center (CTC) where he was involved in a compartmented project targeting Al-Qa'ida. In 2005, he was selected for the position of Unit Chief in CTC's Usama Bin Laden Department, later renamed the Global Jihad Department (GJD). From 2006 through 2009, he was the Deputy Chief of CTC/GJD where he created a joint FBI-CIA targeting team focused on disrupting the external operations of Al-Qa'ida and other Sunni extremist groups. In 2009, he was awarded the CIA George H.W. Bush Award for Excellence in Counterterrorism. In 2009, he was selected to head the FBI's Baltimore Field Office Joint Terrorism Task Force. In 2015, he returned to FBI Headquarters, Counterterrorism Division, when he was selected to be the Deputy Chief of TFOS. Adam retired from the FBI in February of 2018 after 23 years of service.

Prior to joining the FBI, Adam was an investigator with the U.S. Department of Labor in New York. Adam graduated from Rensselaer Polytechnic Institute (RPI) in 1989 with a Bachelor's degree in Management and earned an MBA in Finance in 1991, also from RPI.

## Speaker Bios

### **Matt Durrett**

Matt Durrett is the Prosecuting Attorney for the Fourth Judicial District of Arkansas, which is comprised of Washington and Madison Counties. A native of West Memphis, he received his undergraduate and law degrees from the University of Arkansas. After graduating law school in 1998, he was hired as a deputy prosecuting attorney by then Prosecutor Terry Jones. In 2004, he was promoted to Senior Deputy Prosecuting Attorney, and then Chief Deputy in 2007, when Judge John Threet took office. In 2014, he ran unopposed for the position of Prosecuting Attorney and took office on January 1, 2015. He was re-elected in 2018.

Matt is a member of the Arkansas Crime Information Center Supervisory Board. He also serves as a member of the Northwest Arkansas Criminal Justice Advisory Board and the Washington County Criminal Justice Work Group. He is also a member of the Arkansas Prosecuting Attorneys Association, where he serves on the board of directors and as a member of the organization's legislative committee. He is a former president of the Washington County Bar Association and a tenured member of the Arkansas Bar Association House of Delegates. He has served as an adjunct professor at the University of Arkansas School of Law, has taught trial advocacy at the National Advocacy Center in Columbia, South Carolina, and is a certified law enforcement instructor. He and his wife Shelly live in Fayetteville with their two teenage daughters.

Note: Matt has allowed his office to take a lead in sharing resources and experience regardless of jurisdiction, especially where it involves victims that are exceptionally vulnerable, and he has provided support for the NCPTF to carry out its mission. The NCPTF could not operate without the support he has provided.

### **Sharie Finn**

Sharie is a wife, mother (biological and adoptive) and a grandmother. Sharie has over 20 years experience in the family law and juvenile dependency arena and has worked with Child protective services in the capacity of a foster parent and advocate for 22 years. Together with her husband, Wally, they have fostered over 100 children in San Diego, CA. Sharie will share her insights into foster care and the challenges facing both foster parents and foster children.

## Speaker Bios

### Justin Fitzsimmons

Justin Fitzsimmons currently serves as an Associate Vice President within the National White Collar Crime Center. Presently, he oversees NW3C's prosecutorial and judicial programs and legal resources. In this position, he assists in the development and implementation of cyber, high-tech, and economic crime curriculum while providing training and technical assistance to law enforcement, prosecutors, and the judiciary across the nation.

As a nationally recognized legal authority on technology-facilitated crimes against children, Mr. Fitzsimmons frequently presents at international, national, and regional conferences, workshops, and training courses. Previous presentations included digital evidence collection, computer forensics, crimes against children, cybercrime (including cyberbullying and child exploitation), human trafficking, and trial advocacy. He has published articles on child sexual exploitation and other emerging technological and legal issues. He participates on advisory committees and task forces. He supports agencies, courts, and jurisdictions as they create and implement impactful procedures, practices, and technology applications that seek to investigate and combat high-tech crime and successfully recover digital evidence.

Before joining NW3C, Mr. Fitzsimmons worked for SEARCH Group, Inc., as the Director of High-Tech Training Services. Before SEARCH, Justin held the position of Senior Attorney with the National District Attorneys Association (NDAA). Within NDAA's National Center for Prosecution of Child Abuse (NCPCA), he managed NCPCA's technology-facilitated child sexual exploitation (TFCSE) unit, responded to requests for assistance in child sexual exploitation cases from prosecutors and law enforcement agencies around the United States, and designed and presented training courses, conference sessions, and state and local training events.

Previously, he served as an assistant state's attorney (ASA) in State's Attorney's Offices in Kane and DuPage Counties, Illinois, prosecuting cases involving sexual exploitation and digital evidence. As an ASA for Kane County, he supervised the Special Prosecution Unit, responsible for investigating and prosecuting felony cases, including Internet crimes against children, severe physical abuse of children, public integrity, financial crimes, cyber-crimes, elder abuse, and adult sexual assault. Before supervising the Special Prosecution Unit, he worked in the Child Advocacy Center as a part of a multidisciplinary team that investigated and prosecuted cases of severe physical and sexual abuse against children, crimes of Internet solicitation of children, and child pornography.

Mr. Fitzsimmons has served as a member of national working groups with other individuals from Federal, state, and local law enforcement, nonprofit organizations, and Internet safety organizations to develop responses and education to technology-facilitated crimes. From 2006–2008, he drafted legislation that addressed TFCSE issues, subsequently signed into law in Illinois. As a member of the Board of Directors of the Children's Advocacy Centers of Illinois, he helped draft the revision to the statute authorizing Children's Advocacy Centers across the state.

Currently, he is the President of the Board of Directors of the National Children's Alliance in Washington, DC, and is a board member for the Children's Advocacy Centers of Illinois.

## Speaker Bios

### Samantha Gamble

After spending six months of volunteering at the Innocent Lives Foundation, Samantha jumped at the chance to join ILF in an official capacity as it's Predator Identification Team Coordinator in May 2019. In her role as PIT Coordinator, Samantha is responsible for overseeing and coordinating the efforts of ILF's team of volunteer investigators, while continuing to generate and distribute leads

She has represented ILF at a variety of industry events, including DEFCON, DerbyCon, Beyond Awareness: Anti-Trafficking Conference, The International Internet Crimes Against Children Conference, and the Human Hacking Conference. She frequently teaches research tactics and predatory behavior to a variety of law enforcement, including the Canadian Special Forces. In addition to industry events, she has also acted as a media spokesperson for ILF in various news outlets.

Throughout her role at the ILF she has geared her technical skills to specialize in OSINT, SOCINT, Darkweb Analysis and Intelligence Analysis with an enhanced focus towards Predatory Behavior & Predatory Terminology.

### Chad Gish

Detective Chad Gish is a 23-year veteran of the Metro Nashville Police Department. He has works major, high-profile cases, with a focus on digital forensics and surveillance for the last 16 years. He has logged over 3700 hours of digital forensics training and investigated hundreds of homicides and CSAM cases. Detective Gish is also a member of workgroup committees for the MNPD including information security incident management and the implementation of body worn cameras. Most recently, he was tasked with assisting in the creation of a Real Time Crime Center in Nashville. He also works within a joint partnership between the MNPD and the United States Justice Department's Violence Reduction Network (VRN) Program.

Detective Gish is a court identified and established expert witness in digital forensics, having testified as an expert over 200 times in local, state and federal courts throughout the country. He lectures at the police academy on courtroom testimony for both forensics and high profile cases.

Detective Gish is a renowned forensics expert and highly requested lecturer, routinely lecturing on case studies. He has presented to local schools on digital and social media safety and leads regular classes for detectives, prosecutors and others on how to write better search warrants relating to digital forensics and high profile cases. He also teaches best practices for seizing, preserving and analyzing digital evidence.

Detective Gish is a highly decorated detective, receiving commendations such as Tennessee Police Officer of the Year, a three-time recipient of the United States Attorney's Award for Excellence in Law Enforcement, numerous Investigator of the Month awards, and was recently inducted into his hometown's Hall of Fame. For his investigation into the recent Christmas Day bombing in downtown Nashville, he received an award from the Director of the FBI. Detective Gish has dedicated his life and career to the citizens of Nashville by maintaining a simple and successful goal: applying his experience, professionalism, trust, focus, and vast knowledge of investigations to support the prosecution of violent criminals and child predators - protecting Nashville's citizens and most innocent victims.

## Speaker Bios

### Griffin Glynn

Griffin has spent nearly 20 years working in the private sector on various types of criminal investigations, learning and leveraging open source intelligence techniques throughout that time. In the online OSINT community, he goes by hatless1der, and maintains an OSINT-focused blog, Twitter, and startme page, intended to help those interested in the field find their way around the many learning resources available. He also operates Hatless Investigations Group, which provides training to investigative professionals conducting their work online. Griffin serves as both Deputy Director of Investigations and OSINT Team Lead for the National Child Protection Task Force, focused on the investigation of cases involving missing, trafficked, or exploited children. Additionally, he volunteers as an Intel Analyst with Trace Labs, an NGO that crowd-sources investigative support of missing persons cases.

### Maksim Goldenberg

Maksim Goldenberg is currently a Senior Cyber Threat Intelligence Analyst in KELA's Cyber Intelligence Center and has nearly six years of expertise in cyber threat intelligence research, in addition to 5 years conducting all-source intelligence analysis. Maksim has previously supported cyber threat intelligence research and investigation efforts within both the public and private sectors, including the Intelligence Community, FBI, and DOJ. Within the private sector, Maksim managed Deloitte's cyber threat intelligence service offerings and published numerous blogs regarding cybercrime activities. Immigrating from Ukraine, Maksim's dark web research and analysis skills are augmented with his high level of knowledge in both the Russian and Ukrainian languages.

### Joe Gray

Joe Gray, a veteran of the U.S. Navy Submarine Force, is the inaugural winner of the DerbyCon Social Engineering Capture the Flag (SECTF) and was awarded a DerbyCon Black Badge. Joe is the Founder and Principal Instructor at The OSINTion. By day, Joe is a Senior Investigator at SpyCloud.

As a member of the Password Inspection Agency, Joe has consistently performed well in Capture the Flag events, specifically those involving OSINT. Examples include 2nd Place in the HackFest Quebec Missing Persons CTF and Winning the TraceLabs OSINT Search Party during DEFCON 28. Independently, Joe placed 4th in the DerbyCon OSINT CTF and 3rd in the National Child Protection Task Force Missing Persons CTF.

Joe has contributed material for a variety of platforms such as Forbes and Dark Reading in addition to his platforms. Joe has authored the OSINT tools DECEPTICON Bot and WikiLeaker in addition to the forthcoming book, Practical Social Engineering, due in August 2021 via NoStarch Press.

## Speaker Bios

### Chris Hadnagy

Christopher Hadnagy is the founder and CEO of Social-Engineer, LLC. Chris possesses over 16 years experience as a practitioner and researcher in the security field. His efforts in training, education, and awareness have helped to expose social engineering as the top threat to the security of organizations today.

Chris established the world's first social engineering penetration testing framework at <http://www.social-engineer.org>, providing an invaluable repository of information for security professionals and enthusiasts. That site grew into a dynamic web resource including a podcast and newsletter, which have become staples in the security industry and are referenced by large organizations around the world. Chris also created the first hands-on social engineering training course and certification, Advanced Practical Social Engineering, attended by law enforcement, military, and private sector professionals.

A sought-after writer and speaker, Chris has spoken and trained at events such as RSA, Black Hat, and various presentations for corporate and government clients. Chris is also the best-selling author of three books; Social Engineering: The Art of Human Hacking, Unmasking the Social Engineer: The Human Element of Security and Phishing Dark Waters: The Offensive and Defensive Sides of Malicious Emails, and has been invited to the Pentagon to debrief 30+ general officers and government officials on social engineering and its effect on the United States.

Chris is a certified Expert Level graduate of Dr. Paul Ekman's Micro Expressions courses, having made the study of non-verbal behaviors one of his specialties. In addition, he holds certifications as an Offensive Security Certified Professional (OSCP) and an Offensive Security Wireless Professional (OSWP).

### Steven Harris

Steven Harris is an Open-Source Intelligence Specialist working at QOMPLX, a risk analytics and cyber security company. Prior to joining QOMPLX Steven spent 12 years in law enforcement, working mostly as a Detective specializing in Cyber Crime, Online Child Abuse, and Open-Source Intelligence.

Steven blogs about geolocation and OSINT on his personal blog at [www.nixintel.info](http://www.nixintel.info) and is also a member of The OSINT Curious Project ([www.osintcurio.us](http://www.osintcurio.us))

## Speaker Bios

### Kelly Jo Hearsey

Based in the UK, Kelly works for Super Recognizers International Ltd as Operations Manager. She has undergone extensive testing in the laboratory at the University of Greenwich and has also been part of a Super Recognition research programme at the University of Birmingham. According to Professor Josh Davis, who leads research into Super Recognition, Kelly's testing scores are the highest recorded out of some seven million people who have taken the online tests. Her experience so far includes finding new evidence in murder investigations for UK police forces, deploying on covert operations at high profile events such as the Wimbledon Tennis Championship and assisting in private investigations. Kelly carries out facial comparisons, surveillance and identifications for law enforcement, private security, authors, scholars, missing persons charities and cold cases. At this time, Kelly is the most experienced civilian Super Recognizer globally.

For a fun, quick test of your Super Recognizer ability, go to [https://greenwichuniversity.eu.qualtrics.com/jfe/form/SV\\_e3xDuCccGAdgbfT?Source=Website](https://greenwichuniversity.eu.qualtrics.com/jfe/form/SV_e3xDuCccGAdgbfT?Source=Website)

### Amy E. Herman

President

The Art of Perception

Amy Herman, a lawyer and art historian, uses works of art to sharpen observation, analysis, and communication skills. By showing people how to look closely at painting, sculpture, and photography, she helps them hone their visual intelligence to recognize the most pertinent and useful information as well as recognize biases that impede decision making. She developed her Art of Perception seminar in 2000 to improve medical students' observation and communication skills with their patients when she was the Head of Education at The Frick Collection in New York City. She subsequently adapted the program for a wide range of professionals and leads sessions internationally for the New York City Police Department, the FBI, the French National Police, the Department of Defense, Interpol, the State Department, Fortune 500 companies, first responders, retailers, and the military. In her highly participatory presentation, she demonstrates the necessity for astute visual literacy and how the analysis of works of art affords participants an innovative way to refresh their sense of critical inquiry and skills necessary for sharper performance and effective leadership. The program has been featured in The New York Times, The Wall Street Journal, The CBS Evening News, and Smithsonian Magazine, among others. Her TED talk, A Lesson on Looking, went live in December 2018. Ms. Herman holds an A.B., a J.D., and an M.A. in art history. Her book, Visual Intelligence: Sharpen Your Perception, Change Your Life, was published in May 2016 and was on both the New York Times and Washington Post best sellers' lists.

## Speaker Bios

### Micah Hoffman

Micah Hoffman, Principal Investigator and owner of Spotlight Infosec, has been working in the cyber and OSINT fields for decades. As a leader in the open source world and the President of The OSINT Curious Project nonprofit, Micah created and published many free, open source tools, blog posts, and how-tos. He is a Principal Instructor at The SANS Institute and the author SANS's Open Source Intelligence (OSINT) Gathering & Analysis (SEC487) OSINT class. Micah's passion is learning, sharing, and giving back to the cyber and OSINT communities he has helped to create and strengthen.

### Warren Holston

Mr. Warren Holston is the Vice President of the Technical Operations Group for BlackHorse Solutions and manages all OSINT analysis and operational readiness resources for the company. As a career Technical Operations Officer, Mr. Holston has worked throughout the Intelligence Community, Department of Defense, and defense industry for more than 30 years. He has served as a U.S. Navy Explosive Ordnance Disposal Diver, a collection officer and senior manager in the Central Intelligence Agency, and a Subject Matter Expert for the Department of Defense U.S. Special Operations Command. Mr. Holston has managed and conducted counterterrorism, covert action, and technical collection operations worldwide and is recognized as having contributed significantly to the national security of the United States of America. He was awarded the CIA's Intelligence Commendation Medal for "conceiving of, and implementing, a clandestine sensor operation against a high priority denied area intelligence target" and the Distinguished Career Intelligence Medal for "superior performance in the conduct of clandestine operations in the CIA." Mr. Holston is the author of the personal security book *Beware the Predator* and lectures extensively on the application of personal tradecraft in a digital world.

### Bryan Hurd

Mr. Bryan E. Hurd is a globally recognized computer forensics leader and expert in cyber intelligence, investigations, and operations to fight espionage, terrorism, and organized crime. Bryan was the founder of the Cyber Counterintelligence program for the US Navy at the Naval Criminal Investigative Service (NCIS) in 1994 an architect of the NCIS Operations and Analysis Center, and has gone on to hold executive positions as first Director of Intelligence for the Digital Crimes Unit within the Microsoft Cyber Crime Center, founding the computer forensics program at EDS (Now HP). He was recruited back into government service to be the lead executive in charge of analytic design and innovation for the entire US watchlisting intelligence system as the Chief of Operations, Director of Terrorist Identities at the National Counterterrorism Center (NCTC). Over the span of his career, Bryan has personally designed complex intelligence analysis fusion centers that have enduring and global impact to this day. Bryan now leads some of the most significant breach responses in the US today and advises corporations as a senior leader at Aon Cyber Solutions (Stroz Friedberg), and serves on corporate and charity boards.

## Speaker Bios

### **Teresa Jauregui**

Teresa Jauregui is a Senior Deputy Prosecutor with the York County District Attorney's Office and the Legal Director of the National Child Protection Task Force. Throughout law school, she worked with the Cybercrime and Economic Crime Squads at the FBI Field Office in Boston. She was a full-time legal intern with the U.S. Attorney's Cybercrime Unit in Boston during her final year of law school. Upon graduation, she was a prosecutor for the Suffolk County District Attorney's Office in the spring of 2013. She joined the York County District Attorney's Office in Pennsylvania in the fall of 2015. Ms. Jauregui spent three years as a member of Special Crimes Unit where she prosecuted Sexual, Child, and Elder Abuse. In her current role, she handles major felonies such as arson, drug-related deaths, and homicides. She has received training from the National Computer Crime Conference and the National Computer Forensics Institute. In 2019, she gave several presentations to the Pennsylvania District Attorney Association how to effectively conduct digital investigations and authentication of digital evidence at trial. She regularly gives trainings focused on educating law enforcement on the most efficient ways to collect digital evidence while remaining keenly aware of privacy interests. Most recently, she attended the FBI CART Moot Court Program, where she instructed newly minted forensic examiners how to testify in court proceedings.

### **Orin Kerr**

Orin S. Kerr is a law professor at the University of California at Berkeley. He joined the Berkeley Law faculty in 2019 after serving as the Frances R. and John J. Duggan Distinguished Professor at the University of Southern California Gould School of Law. From 2001 to 2017, he was a professor at the George Washington University Law School.

Kerr specializes in criminal procedure and computer crime law, and he has also taught courses in criminal law, evidence, and professional responsibility. He has written more than 60 law review articles, over 40 of which have been cited in judicial opinions (including seven articles that have been cited in U.S. Supreme Court opinions). His scholarship also has been cited by more than 3,000 academic articles. In addition to writing law review articles, Kerr has authored popular casebooks, co-authored the leading criminal procedure treatise, and published countless blog posts at popular blogs such as the Volokh Conspiracy and Lawfare.

Kerr has briefed and argued cases in the United States Supreme Court and three federal circuits. He has testified six times before Congressional committees. In 2013, Chief Justice Roberts appointed Kerr to serve on the Advisory Committee for the Federal Rules of Criminal Procedure. In 2015, the Chief Justice again appointed him to serve on the Judicial Conference's committee to review the Criminal Justice Act.

Kerr earned degrees in mechanical engineering from Princeton and Stanford and his J.D. degree from Harvard Law School. He was a law clerk for Judge Leonard I. Garth of the U.S. Court of Appeals for the Third Circuit and Justice Anthony M. Kennedy of the Supreme Court of the United States. Before becoming a professor, he was a trial attorney in the Computer Crime and Intellectual Property Section at the U.S. Department of Justice and a Special Assistant U.S. Attorney in the Eastern District of Virginia. He is a member of the District of Columbia and California bars.

## Speaker Bios

### Johnny Kessler

Johnny is an entrepreneur and technologist that has a history of supporting Law Enforcement and DoD. Johnny has a passion for helping make technology functional and accessible to solve seemingly complex problems and putting innovative technologies into action. Johnny is leading the 1st1 Technologies team into the launching of their groundbreaking reverse image search into several vertical markets, including ones that desperately need this tech to help fight the problem of human trafficking.

### Matt Lotspeich

Walmart, Director, Global Investigations, Crimes Against the Business (CAB)

Matt began his career with Walmart over 6 years ago in Global Investigations. He currently leads an Organized Retail Crime (ORC) team based in the eastern part of the US. The ORC team mitigates risk through conducting investigations, leveraging analytics, and partnering with state, local, and federal law enforcement agencies. He also acts as the Walmart corporate liaison to the FBI and other federal agencies.

He retired from the FBI after 25 years working drugs, organized crime, public corruption, and counterterrorism cases. He also spent 7 years on the FBI's Hostage Rescue Team as an operator and finished his FBI career as a Supervisory Agent leading a Joint Terrorism Taskforce.

### Mark Massop

Mark Massop has over twenty-eight years of progressive experience in intelligence-related research and analysis with specialization in drug enforcement policies and law enforcement intelligence. He is a recognized expert in law enforcement technology solutions. He is experienced in preparing various reports using opensource, corporate, private, governmental, and academic resources and in designing and delivering highly customized training programs and software solutions for the intelligence analysis field.

## Speaker Bios

### Kyle Naish

Kyle Naish is a certified police officer with the Springdale Police Department since 2007 with the last four years in the Criminal Investigation Division. Kyle has attended over 2400 hours of training including Mobile Device Foundations Course, ZetX Criminal Investigations Using Cellular Technologies, ZetX Criminal Investigations Using Cellular Technologies SME Certification, NCFI Digital Currency Course, and other courses related to using OSINT, Geofence Records, Social Media Investigations, Cryptocurrency, and Courtroom Testimony. Kyle has assisted with the recovery of missing and exploited children as well as identified sexual predators leading to their apprehension in multiple states. Kyle has used mobile devices in the successful arrest, courtroom testimony, and convictions in state and federal courts. Kyle has presented at the 2019 Crimes Against Children Conference and is scheduled to present at the National Cyber Crimes Conference and Crimes Against Child Conference in 2020. Kyle leads instruction at the Arkansas Law Enforcement Training Academy (ALETA) in Springdale Arkansas as it relates to Sexual Assault Investigations, Child Abuse Recognition, and Juvenile Sexual Assault Investigations. Kyle received the Springdale City Attorney Justice Award in 2019 and the Officer Craig Chastain Award – Office of the Year in 2020, both awards were in recognition of Kyle's work involving business records as it relates to analyzing call detail records and geolocation data, social media investigations, legal requests and working with local prosecutor's offices.

### Stuart Peck

Stuart Peck is the Director of Cyber Security Strategy for ZeroDayLab. Stuart has over 13 years' experience in the information security industry, including delivering threat intelligence, social engineering, and incident response projects. He is also an expert on Open Source Intelligence, and regularly is asked to deliver talks on the latest attacker trends facing organizations today.

Stuart has been featured in many leading news sites including Security Affairs, The State of Security, ZDnet, Bleeping Computer, The Daily Mail, and in the Tribe of Hackers Blue Team Book. He is the 3 times Black Badge winner for Trace Labs global OSINT Search party competition for finding missing people and volunteers for the National Child Protection Task Force using his skills to find missing children and organized criminals globally.

Stuart founded the Many Hats Club in 2017- a large community and not for profit organization, that has organized 3 conferences raising over \$40k for other non profits (MSF, Trace Labs, NCPTF, Childsplay etc.), hosted CTF's and has a popular podcast.

Twitter: @cybersecstu

Linkedin: [linkedin.com/in/itsecurity](https://www.linkedin.com/in/itsecurity)

Website <https://themanyhats.club>

## Speaker Bios

### Ed Padinski

Ed is a recently retired U.S. Navy Captain with 27 years of experience in Naval Intelligence, Special Operations and combined and interagency efforts. His most recent assignments included Commander's Action Group Director and Senior Intelligence Officer for all U.S. Navy SEAL Teams and associated units, and he previously commanded the Joint Special Operations Command (JSOC) Intelligence Brigade and its Joint Targets Squadron. He also served in the White House Situation Room and aboard six aircraft carriers. An early proponent of changing the Defense Department's paradigms for using publicly available information and other large data sets, he helped craft updated policy within the Department and the U.S. Navy, and implemented this in designing teams and architectures for using PAI/OSINT for indications & warnings, counterintelligence, planning and operational decision advantage across U.S. Special Operations. He recently established Alamar Ignite, a consulting firm focused on integrating human and machine teams to improve decisions at speed and scale across multiple military, federal and local use cases.

Topic: PAI/OSINT in DoD is evolving through necessity and focus, from the old days of the "Foreign Broadcast Information Service" to simple search engines, to information discovery and ultimately deliberate analytic effort. This evolution is ongoing across policy, authorities, methodologies, and compliance with applicable laws and regulations - not always an easy road. Some analysts argue that it's the best source of info in "denied" areas and in competition - often providing leads and context better than other means. In addition, the intel philosophy of "start with OSINT" is gaining ground (despite some 'old guard' resistance), presents both threats and opportunities, and is distinctively relevant to discovering relevant information - often at much lower cost than traditional means - from target discovery to counterintelligence.

### John Penn II

John Penn II, Senior Solutions Architect for Law Enforcement Technologies at Adobe Systems Incorporated in San Jose, California, has spent nearly four decades writing software. He has been at Adobe for over 20 years with half that time being spent as a Sr. Computer Scientist on Photoshop. After attending the first Silicon Valley Internet Crimes Against Children (ICAC) Conference, John was so profoundly affected by what he heard that he moved into what has become the most challenging, rewarding chapter of his career: Victim Identification and Digital Media Analysis for law enforcement.

## Speaker Bios

### Robert Peters

Robert J. Peters is the Senior Attorney of the Zero Abuse Project, where he develops and delivers state-of-the-art training and comprehensive technical assistance to prosecutors and child abuse multidisciplinary team members on crimes against children.

Previously, Robert worked as the Senior Cyber and Economic Crime Attorney & General Counsel with the National White Collar Crime Center (NW3C), where his efforts included providing subject matter expertise on topics and training related to technology-facilitated child exploitation, and acting as lead instructor for NW3C's Judges & Prosecutors courses.

Mr. Peters served as Assistant Prosecuting Attorney and Special Prosecutor in multiple West Virginia jurisdictions, where he specialized in the prosecution of sexual offenses, civil child abuse and neglect cases, and juvenile crime.

In addition to his prosecutorial experience, Robert authored several child protection-related articles in peer-reviewed publications, including the Florida Journal of International Law, Handbook on Interpersonal Violence Across the Lifespan, and Christian Ethics Today. While in law school, Peters clerked at the United States Attorney's Office, Western District of Virginia.

Prior to serving as prosecutor, Robert designed comprehensive child protection policies for numerous entities including educational institutions, churches, and parachurch organizations. He assisted the nonprofit GRACE (Godly Response to Abuse in the Christian Environment) by providing legal support and serving as an investigator of abuse perpetrated in the context of faith communities.

Mr. Peters is the founder and Chairman of the SHIELD Task Force, a 501(c)(3) nonprofit that partners with Child Advocacy Centers and local stakeholders to encourage reporting of sexual abuse and online safety. This initiative has brought age-appropriate abuse prevention education to thousands of school-aged children and numerous civic and community groups. Mr. Peters also serves on the WV Child Advocacy Network (WVCAN) Board of Directors and WV Human Trafficking Task Force. In 2019, Robert received the WV State Police Center for Children's Justice Extra Mile Award for demonstrated professional leadership and personal commitment in going the Extra Mile on behalf of children and families.

## Speaker Bios

### Mike Pezzelle

Mike began his career in 2003 with an Arizona law enforcement agency as a patrol officer. Mike has been assigned to a Gang Unit, the Federal Bureau of Investigation's Violent Street Gang Task Force, a Career Criminal Squad, and the United States Marshal's Service Violent Offender Task Force.

Mike has been case agent on numerous multiagency operations including long term gang investigations, undercover operations, drug and gun buy/busts and fugitive investigations. Mike spent the last six years of his career apprehending violent felons, which led to his involvement in numerous critical incidents. Mike has been involved in criminal and civil investigations including as defendant in a civil rights trial following an officer involved shooting.

During his career, Mike was a POST certified General Instructor, Firearms Instructor, Rifle Operator, as well as certifications in numerous less lethal platforms. Mike has testified in Superior Court as a Gang Expert and a Cellular Investigations Expert.

### Luke Phillips

Luke Phillips is the UK's National Crime Agency Liaison Officer based in New York. He has 23 years of law enforcement experience in a wide range of intelligence gathering and investigative disciplines, working both nationally and internationally. With over 15 years' experience as a detective, advising, mentoring, managing and developing both reactive and proactive investigations, he has secured convictions with sentences totaling several hundreds of years across almost every crime type imaginable. In Luke's current role he works alongside the FBI in the National Cyber Forensics Training Alliance, specialising in the investigation of serious and complex cybercrimes. He holds a First Class Honours Degree in Applied Investigation.

### Chris Poulter

Chris is the Founder & CEO of OSINT Combine who are leaders in open-source intelligence training & software with support to counter-human trafficking, counter-terrorism, law enforcement & other strategically important efforts around the world. He has an extensive background working in military and law enforcement environments domestically & overseas, with proven outcomes in delivering open-source intelligence training & software solutions to multi-national teams that service strategic and operational objectives where the cyber, human and physical terrain overlap. Additionally, he is the creator of NexusXplore, a leading OSINT software platform that is trusted globally in supporting complex mission sets in the open-source environment.

### Dean O'Neill

Recognized security and intelligence researcher in the information security community under the handle TheCyberViking. Under that handle had the privilege of having spoken at multiple global conferences on topics of Intelligence, as well as being a 6-time team winner of the TraceLabs Missing Persons CTF and competition judge, Co-Founder and Organizer of conINT Intelligence conference as well as volunteer for multiple organizations such as NCPTF and more. Former founding member of the Irish National Team for the European Cyber Security Challenges (ECSC) and a recent graduate with a bachelor's degree in Cyber Security and Digital forensics.

## Speaker Bios

### Mike Pezzelle

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### Glen Pounder

Glen Pounder serves as Chief Operating Officer of Child Rescue Coalition.

He acts as the organization's liaison with national and international law enforcement and other partners, driving collaboration to protect children through the use of CRC's cutting-edge technology.

Throughout his more than 30-year law enforcement career, he has undertaken numerous investigative and team leadership roles combatting child sexual abuse and many other forms of serious crime. Glen played an instrumental role in the establishment of a counter narcotics coordination center (MAOC-N) whilst serving as the UK's liaison officer in Portugal. He also served as the UK's law enforcement liaison in the USA as well as establishing a new UK liaison office in Switzerland.

Glen is fluent in Portuguese and recently completed a Master's degree in Internet Law and Policy from the University of Strathclyde, Scotland.

## Speaker Bios

### Joseph Remy

Joseph Remy is a prosecutor in the State of New Jersey, who drafts legislative proposals as well as investigates and prosecutes child exploitation and cybercrime cases. He previously served as an Assistant District Attorney (ADA) in the New York County (Manhattan) District Attorney's Office and as a criminal defense attorney at the Law Office of Edward T. McCormack, Esq. While an ADA, he investigated, prosecuted, and tried offenses ranging from simple assault to complex robbery cases, as well as complex cybercrime cases. Joseph previously has presented at the Association of Prosecuting Attorneys 3rd Annual Summit on Child Abuse, the High Technology Criminal Investigation Association (HTCIA) International Conference in 2018, as well as various conferences within New Jersey.

### Joseph Scaramucci

Detective Scaramucci began his career in law enforcement in 2004, and was promoted to Detective in 2008 with the McLennan County Sheriff's Office, investigating Crimes Against Persons. Since creating a Human Trafficking in 2014, Detective Scaramucci has participated in John Suppression events, arresting over 460 sex buyers. He has further conducted sting operations resulting in the arrest of 150 individuals for Human Trafficking and related offenses, which lead to the identification of 260 trafficking victims.

Detective Scaramucci has worked both State and Federal investigations as a Task Force Officer with H.S.I., leading to investigations and arrests throughout the U.S. He further advises and participates in sting operations throughout Texas, and the U.S. and abroad. Detective Scaramucci is certified in Courts of Law as a Subject Matter Expert in Human Trafficking. He has further advised and testified in the State House, assisting with the creation and passage of laws leading to harsher penalties for human trafficking, as well as working against laws that would have added further burdens on victims.

He is further employed as a consultant, in many capacities within human trafficking, including as a Task Force Liaison for ECM funded task forces throughout the U.S. Through consulting roles, he has trained more than 335 agencies throughout 33 states, 13 federal agencies, branches of the U.S. Military, the Mongolian Federal Police and Prosecutors Offices, and the Peruvian Prosecutor's Office, along with providing technical support for their Human Trafficking Operations and Investigations.

## Speaker Bios

### Justin Seitz

Justin Seitz is the co-founder of Dark River Systems Inc., a Canadian security and intelligence company. Justin is a renowned and respected cybersecurity and open source intelligence practitioner whose work has been featured in Motherboard, Forbes, and has appeared in numerous other media and podcasts. Justin has authored two books on developing hacking tools, is the creator of the AutomatingOSINT.com training platform, and the creator of Hunchly, an open source intelligence collection tool for investigators. Justin is also a contributor to the citizen journalism site Bellingcat, a member of the International Criminal Court's Technical Advisory Board, and a Fellow at the Center for Advanced Defense Studies in Washington, DC.

### Jessica Smith

Jessica Smith is a theft and fraud Investigator, currently working within the private sector, focused on initiating and leading multi-market organized financial crime investigations. Additionally, she curates, develops and trains an expanded team of investigators and analysts in OSINT skills and techniques ensuring investigatory tactics remain relevant and up-to-date with constantly changing tools and trends. Prior to transitioning to the private sector, Jessica spent six years working within Legal Services via her home state's Department of Corrections, where she assisted in internal sexual harassment and discrimination investigations, coordination of the Board of Pardons process and litigation management. During her tenure with the Department of Corrections, she completed her Bachelor's Degree in Psychology and Criminal Justice as well as a Master's of Science Degree in Criminal Justice. Jessica holds certifications in Interviewing and Interrogation from Century College, as well as Social Media Intelligence Expert (CSMIE) and Cyber Intelligence Professional (CCIP) from McAfee Institute. In addition to her current role as a digital investigator, Jessica serves as the Special Investigations Lead for the National Child Protection Task Force, managing cases with high levels of sensitivity, complexity and longevity.

### Benjamin Strick

Benjamin Strick is a digital investigator with a background in law, military and technology, specialising in open source intelligence (OSINT), visual forensics and data analysis. He has been applying these skills to document human rights abuses across the globe working with international media to create multi-award-winning investigative documentaries, assist law enforcement and tackle disinformation and influence operations. Some of his work involves investigating Cameroon executions, taking down a bot network targeting an independence movement, documenting a massacre and finding John McAfee. Ben is a Bellingcat contributor, volunteer investigator for the National Child Protection Task Force and shares investigative techniques to a wider audience through his YouTube channel.

## Speaker Bios

### Rita Singh

Dr. Rita Singh is an Associate Research Professor at the School of Computer Science at Carnegie Mellon University (CMU) in Pittsburgh, USA, and (by courtesy) at the Electrical and Computer Engineering Department at CMU. She is also affiliated to the Institute for Strategic Analysis, and the Cyber Security & Privacy Institute (Cylab), CMU. Her academic career spans over two decades of research on a wide range of topics in the areas of speech and audio signal processing, multimedia forensics and cyber forensics. Her current work is focused on creating and developing the science of profiling human from their voice, a new sub-area of Artificial Intelligence and Voice Forensics. The technology pioneered by her group has led to two world firsts: In September 2018, her team created the world's first live voice-based profiling system, demonstrated live at the World Economic Forum in Tianjin, China. In 2019 her group also created the world's first instance of human voice – that of the artist Rembrandt – generated based on evidence from facial images. This work was commissioned by Walter Thompson Inc., and backed by the Rijksmuseum in Holland and ING Bank of Europe. At CMU, she teaches Computational Forensics and AI, Multimedia processing, and Quantum Computing (all graduate level courses in CS), and is the author of the book “Profiling Humans from their Voice,” published in June 2019 by Springer-Nature, Singapore.

### Dylan Weisenfels

Dylan Weisenfels is a deputy prosecutor in Washington County, Arkansas. Dylan graduated from the University of Arkansas School of Law in May 2016. After graduation, Dylan worked as a patrol officer for the Fayetteville Police Department and later became a deputy prosecutor. During his time with the Prosecutor's Office, Dylan attended training on mobile devices, open source intelligence, cryptocurrency, and other geolocation related services. Dylan helps teach these topics to local law enforcement.

## Speaker Bios

### Barbara Jean Wilson

Barbara Jean Wilson served as an Executive Coordinator in the Legal Division of Freddie Mac for fifteen (15) years and retired on March 31, 2020. In 2011, Barbara published her first book, Mute But Now I Speak and in 2020 completed her second book Blessings After Going Through The Valley. Her testimony reveals how she overcame the pain of childhood sexual abuse and human trafficking and receiving the blessings of God.

Barbara has been featured as guest speaker at numerous events across the U.S. to include the United Nations. These events focus heavily on bringing awareness to the challenges of human trafficking, sexual, physical and mental abuse, and the overwhelming impact of the individual and to the community. In addition to receiving numerous awards for her hard work and dedication while working at Freddie Mac, Barbara was nominated as Woman of the Year by the Women's Interactive Network (WIN). During this event, Barbara was a featured panelist along with the Prince William County Chief of Police, to discuss Human Trafficking and Sexual abuse. She received an award for her special service to the community and the positive influence made to the many lives through her work by WUAWSU Project, Inc. (WPI).

She is an active member and speaker for RAINN (Rape, Abuse & Incest National Network), which is headquartered in Washington, DC.

She holds a Bachelor Degree in Business Administration and Human Resources from Strayer University.

Barbara is on the Board of Directors at Just Ask Prevention

Board Member of Reset180 (formerly Northern Virginia Human Trafficking Initiatives)

Officer and Secretary on the Board of Directors of the WUAWSU Project Inc.

National Child Protection Task Force Advisor

Barbara served as Alumni Secretary & Historian at Strayer University for 2 years.

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