



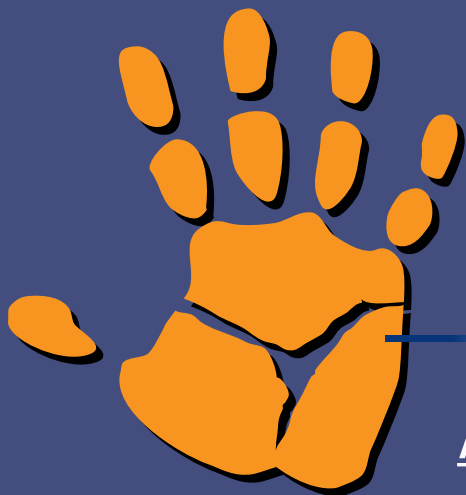
IACIS

The International Association of
Computer Investigative Specialists

**Winning 2022
Contest Logo, see
inside for Logo Story!*

33rd ANNUAL ORLANDO TRAINING EVENT





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International Association of
Computer Investigative Specialists

33rd Annual Training Event

Orlando, Florida
April 24 – May 5,
2023

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Welcome from Gene Shantz, IACIS President



Welcome to the 2023 IACIS training event at the Caribe Royale hotel and conference center in sunny Orlando, Florida. As the pandemic is slowly winding down and the world is starting to get back to normal, we are very excited to be hosting our 33rd training event. We continue to recognize the tremendous impact the pandemic caused, and we honor our law enforcement communities for their unselfish response to the situation.

Approximately 700 students and 150 staff members are converging on this spacious hotel during the next two weeks, and I hope I get a chance to meet each one of you. Our staff members are easily identifiable by the polo style shirts with the IACIS logo on the left chest. If you have any questions or need assistance while you are here, please do not hesitate to reach out to one of us. We truly hope you enjoy your time here and make a few life-long friends along the way.

As an all-volunteer organization, IACIS has been providing computer forensic training for over 30 years. IACIS instructors and trainers are Certified Forensic Computer Examiners (CFCE) and are active in the field of computer forensics and volunteer their time and energy to develop and teach this material to you, the students. All IACIS training material is reviewed and updated each year by our trainers to ensure that IACIS training material is relevant and up to date in order to meet the changing needs of digital forensic examiners.

The goal of IACIS training is for students to learn and ensure that no student is left behind. Classes combine computer forensic theory and hands-on practical exercises. A trainer is assigned to each row of 6-8 students. While an instructor teaches a class, the trainers are always present to assist. Trainers monitor their students' progress to ensure each student understands the material being taught and is keeping pace with the class.

The Basic Computer Forensic Examiner (BCFE) is the flagship training course taught by IACIS. There are no pre-requisites for the BCFE training. Any computer knowledge a student brings to class is a plus and will make the lectures and practical exercises much easier to grasp. We begin with the basics and quickly move into highly technical theories, terms, and techniques. The BCFE provides 90% of what you need to know to successfully complete the six-month CFCE process. The BCFE course has optional evening computer labs for those wanting additional hands-on time. Students who go on to undertake the CFCE certification process are provided a coach to assist them with the peer review problem sets.

IACIS Specialist classes provide a more in-depth study of forensic topics. The IACIS Windows Forensic Examiner and Mobile Device Forensics classes are preparation classes for our Certified Advanced Windows Forensic Examiner (CAWFE) and Certified Mobile Device Examiner (CMDE) certifications. The cost of the certifications is included in the course fee and students enrolled in IACIS-taught specialized courses will also receive a laptop included in the cost of the course. Each class has a list of core competencies publicly available on our training page at www.iacis.com.

Volunteers are the backbone of IACIS. Every training event and certification that IACIS offers is developed, maintained, and run by volunteers. Without our volunteers, we would be unable to offer the world-class training and certifications we are known for. If you are interested in volunteering, you can email volunteering@iacis.com.

Fasten your seatbelts and get ready to enjoy the ride, that will be an experience you will remember for a lifetime. The next two weeks will hopefully be challenging and rewarding for everyone. Whether you are serving as a member of staff or a student in a classroom, we can all learn from each other. Enjoy your time at the Caribe Royale and we hope you come back to see us at future events.

Gene Shantz
IACIS President



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SUNDAY
APRIL 30
7:00PM

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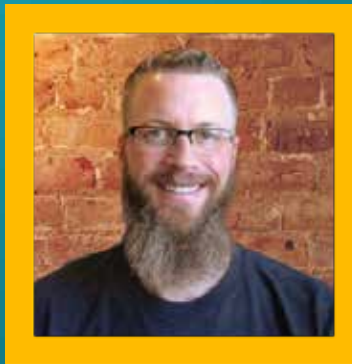
*One lucky attendee will win free enrollment in the online MDF training class and ICMDE certification program, valued at USD\$995

MOBILE FORENSICS

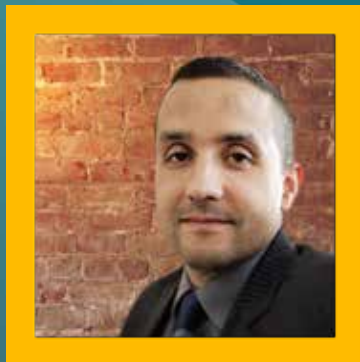
HEATHER MAHALIK



LEE REIBER



ALEXIS BRIGNONI



GERALDINE BLAY



BCFE Schedule of Events - Week 1

Week 1	Monday	Tuesday	Wednesday	Thursday	Friday
08:00	Opening Session	Disk Structures **	NTFS File System **	Ex-FAT**	Intro to Forensic Analysis & Scenario
08:30					
08:50-9:00	Break	Break	Break	Break	Break
09:00	BIOS, Boot Sequence, and Boot Environments **	Disk Structures **	NTFS File System **	Ex-FAT **	Forensic Search Methodologies
09:30					
9:50-10:00	Break	Break	Break	Break	Break
10:00	BIOS, Boot Sequence, and Boot Environments **	FAT File System **	NTFS File System **	Ex-FAT**	RAM Capture & Analysis **
10:30					
10:50-11:00	Break	Break	Break	Break	Break
11:00	BIOS, Boot Sequence, and Boot Environments **	FAT File System **	NTFS File System **	Case Documentation	RAM Capture & Analysis **
11:30					
11:50-13:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13:00	Numbering Systems **	FAT File System **	NTFS File System **	Case Documentation	RAM Capture & Analysis **
13:30					
13:50-14:00	Break	Break	Break	Break	Break
14:00	Numbering Systems **	FAT File System **	NTFS File System **	First Responder	Validation, Acquisition & Control & Practical Exercise
14:30					
14:50-15:00	Break	Break	Break	Break	Break
15:00	Introduction to Hex Editor **	FAT File System **	NTFS File System **	First Responder	Forensic Acquisition Practical Exercise **
15:30					
15:50-16:00	Break	Break	Break	Break	Break
16:00	Disk Structures **	FAT File System **	NTFS File System **	Hashing & Hash Sets **	Forensic Acquisition Practical Exercise **
16:30					
16:50-17:00	END OF DAY	END OF DAY	END OF DAY	END OF DAY	END OF DAY
LAB		LABORATORY	LABORATORY	LABORATORY	NO LABORATORY

BCFE Schedule of Events - Week 2

Week 2	Monday	Tuesday	Wednesday	Thursday	Friday
08:00	SQL Databases	Windows Artifacts	File Headers & Carving	P2P/Cloud	Mac Triage
08:50-9:00	Break		Break	Break	Break
09:00	SQL Databases	Windows Artifacts	File Headers & Carving	P2P/Cloud	Mac Triage
09:30					
9:50-10:00			Break	Break	Break
10:00	SQL Databases	Windows Artifacts	File Headers & Carving	P2P/Cloud	Mac Triage
10:30					
10:50-11:00	Break		Break	Break	Break
11:00	File Metadata	Windows Artifacts	Internet Artifacts (Browsers) **	Intro To Timeline Analysis	Mac Triage
11:30					
12:00-13:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13:00	Compound Files	Windows Artifacts	Internet Artifacts (Browsers) **	Digital Soup	Specialized Overview Ethics/Certification eServices / Admin
13:30					
13:50-14:00	Break	Break	Break	Break	
14:00	Windows Registry	Windows Artifacts	Internet Artifacts (Browsers) **	Digital Soup	
14:30					
14:50-15:00	Break	Break	Break	Break	
15:00	Windows Registry	Windows Artifacts	Encryption	Court Testimony / Moot Court	
15:30					
15:50-16:00	Break	Break	Break	Break	Closing
16:00	Windows Registry	Windows Artifacts	Encryption	Court Testimony / Moot Court	
16:30					
16:50-17:00	END OF DAY	END OF DAY	END OF DAY	END OF DAY	
LAB	LABORATORY	LABORATORY	LABORATORY	NO LABORATORY	

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IACIS would like to extend our sincerest gratitude to all of our sponsors for supporting our 2023 training event.

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IACIS Gold Sponsor Evenings

These evenings are an opportunity for our sponsors to introduce you the products and services. During these evening presentations (6:30-7:30pm), many of our sponsors will raffle substantial products and services. On April 24th, there will be food and adult beverages brought to you by IACIS and our opening night sponsors!

Monday, April 24

*Food and Beverage Service starting at 5:45pm

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Tuesday, April 25

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Wednesday, April 26

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Thursday, April 27


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Monday, May 1

 **Forensic Notes**

 **CASESCAN**
by netspark

Tuesday, May 2 - Membership Meeting


IACIS

Wednesday, May 3

 **OSForensics**
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 **TRUXTON**

Many of our gracious sponsors are offering special licenses to you, our students and/or staff. Signups will be available in the classrooms. Be sure to thank our sponsors by visiting them at their booths!

Distribution of these giveaways will vary in method and speed of delivery. If you feel that your giveaway or raffle license has been lost in transmission, or is severely late, do not panic! Please do not contact the sponsor directly. All issues with giveaways should first be reported to IACIS at VendorLiaison@iacis.com

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- ✦ Cellebrite Certified Physical Analyst (CCPA)
- ✦ Cellebrite Advanced Smartphone Analysis (CASA)



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From Logo Contest to Aspiring Career

Roger Galitz began his journey in this contest with a modest hand drawn sketch. Shortly after receiving the final reminder email to submit entries, he was in the kitchen with his wife and daughter when his son, Kayden, walked in. It was then he told his family about the contest and of the ideas he thought his son could turn into a reality.



He promptly took some of the colored pencils off the table where his daughter was coloring and hastily made a rough sketch of his idea. At that point, Roger says, "I explained I wanted him to give the logo a slightly updated look but retain the iconic original as much as possible. He was extremely reluctant to help as he wasn't confident in his abilities. I think at that point I might have threatened to submit my sketch as-is if he didn't help me, which guilted him into conceding."

Kayden, who recently graduated high school, ran with that, made some designs on his iPad and sent them over to Roger. It was then that they both really got into the contest. Roger says that Kayden has always been artistically inclined but had been teetering on the edge about pursuing a career in graphic design. Upon learning of his win, Roger reports that Kayden may have gained the confidence to work towards a career he would love!

Roger Galitz started his career at the Fremont County Sheriff's Office in Lander, WY as a dispatcher. During his time there, he began assisting with high-tech crime investigations and was eventually trained and certified in computer forensics. From there, he set out to increase his technical knowledge and experience in the hopes of one day joining the ICAC task force for the Wyoming Division of Criminal Investigation. As it turns out, those positions don't open very often. In 2012, Roger was offered a position with the National Security Agency and was all set to move family from Cheyenne to Baltimore until another position opened up in Kentucky which he then accepted. Today, Roger is employed as a Sr. DevSecOps Engineer in addition to running his own private company, 5shield Cyber Forensic & Security Services.

This is just one way a seemingly small idea, when planted and nourished, can grow into something spectacular! Remember that the next time you're not so sure what a simple idea could become.

Congratulations on your \$500 Amazon gift card, Roger and Kayden! Don't spend it all in one place! ...oh wait.



Logo Contest Entries

In 2022, IACIS thought it would be fun to hold a logo design contest. While there was only one winner – we believe the rest of the entries, which also took a great deal of time and talent, deserved to be recognized as well. A huge THANK YOU to everyone who submitted entries to the contest!



IACIS Board of Directors



Chairman of the Board - *Darren Freestone*

The Chairman of the Board is responsible for ensuring the Board is operating per the Bylaws of the Association as well as Oregon state law, the state in which IACIS is incorporated. The Chairman's responsibilities also include the scheduling of and presiding over board meetings.



President - *Gene Shantz*

The President is the Chief Executive Officer selected by the Board of Directors and is responsible for the day-to-day management of organization. In addition to negotiating contracts and dealing with other matters related to the office and the stability of the organization, the President works closely with each Director to ensure their duties and the vision as set forth by the Board of Directors is successfully accomplished.



Vice President - *Brent Whale*

The role of the Vice President is to assist the President with his or her duties and to be prepared to step in and assume the duties of the President should he or she become unable to fulfill their duties. Additionally, the Vice President is the liaison point with our corporate attorney and oversees the Volunteer and Awards Committees and the Will Docken Scholarship program.



Secretary - *David Melvin*

The office of the Secretary for IACIS has primary responsibility for the official keeping of business records for the Association. The Secretary functions as a "gate keeper" of sorts and has the responsibility to make sure all applicants for membership meet the qualifications as set out by our by-laws.



Treasurer - *Erin Raleigh*

The Treasurer of IACIS is responsible for all fiduciary responsibilities of the Association. Although IACIS is a voluntary not-for-profit entity, the Association handles funds of over \$1 million a year. The Treasurer insures those accounts are managed appropriately and that any debts are paid. As an officer of the Association, the Treasurer works to maintain the financial health of IACIS, both presently as well as long term.

IACIS Board of Directors



Training – Erin Mitchell

The Director of Training manages the Training Committee, whose primary responsibility is to host the various training events provided by the Association. IACIS holds training events in the US and Europe as well as online classes. All IACIS BCCE trainers are CFCE certified, and all material is created and maintained by IACIS volunteer staff. Along with the BCCE course, the Training Committee provides various specialized courses each year. All IACIS training material is reviewed and updated each year.



Certification - Todd Bignucolo

The Director of Certification oversees the IACIS Certification programs: Certified Forensic Computer Examiner (CFCE), Certified Advanced Windows Forensic Examiner (CAWFE) and the IACIS Certified Mobile Device Examiner (ICMDE). This includes over 300 Peer Review Coaches, Chairmen of each Certification, Problem Development and Moodle management.



Standards – Daren Ford

The Standards committee is responsible for ensuring that training and certification programs are aligned. We do this through identifying the competencies required for each certification and then make sure that our training programs and certification problem sets cover these competencies in their programs. We have a Quality Assurance committee that reviews the training manuals and certification problem sets for accuracy and consistency before the material is put out to the students and certification candidates. All this behind-the-scenes work assists in maintaining the accreditation of our CFCE by the Forensic Specialties Accreditation Board.



Marketing - Rich Johnson

The Director of Marketing is responsible for all Marketing initiatives of the Association. The Marketing committee works with sponsors to obtain goods and services for the IACIS students and staff. The social media committee promotes our volunteers to show the culture and professionalism of the people that make up the organization.



Ethics - Jasun Hawkins

IACIS was founded on the principles of honesty and integrity, and they continue to be the solid pillars. This applies to the actions of those in leadership and of members alike. We are leaders in demonstrating the highest levels of honesty and integrity. The Ethics Committee is tasked with investigating allegations of unethical actions.

Meet the Incoming Directors!



FELICIA DIPRINZIO has been a digital forensic analyst in law enforcement for 14 years – the last four of which have been with the Baltimore County Police Department (BCoPD) in Maryland. Prior to working with the BCoPD, she worked for the New Zealand Police in Auckland, New Zealand, the Hartford County Sheriff's Office in Bel Air, Maryland, and the FBI in Baltimore, Maryland. She has been an IACIS Member since 2009 and obtained her CFCE in 2015. Later she was an exFAT instructor and row coach, then became a course developer and instructor for MDF after obtaining her ICMDE in 2019.



WILLIAM OETTINGER has been an IACIS member since 2007 and has served as a Peer Review Coach since earning his CFCE in 2007. William is the author of two books, "Cyber Systems and Network Forensics" and "Learn Computer Forensics, 1st and 2nd Editions". His digital forensics and investigations experience includes Senior Instructor at Infosec Institute, a Detective with the Las Vegas Metropolitan Police Department, and an Operations Chief in the Criminal Investigative Division of the United State Marine Corps Reserve.



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IACIS Certifications



IACIS Certified Forensic Computer Examiner (CFCE) certification is a widely-recognized rigorous 6-month program to confirm the applicant's mastery of computer forensic methodology. During a peer-review phase, the applicant works with a coach to demonstrate knowledge of computer forensics topics and skill in applying that knowledge to practical exercises. Following successful completion of the peer-review process, applicants enter a certification phase where they are given a final knowledge test and an in-depth practical examination to complete.

Most applicants come to the CFCE process by way of the IACIS Basic Computer Forensic Examiner (BCFE) course taught at IACIS training events in the United States and Europe.

Successful completion of the two-week BCFE course entitles the student to apply for CFCE certification. An external CFCE certification option is also available for applicants who have not completed BCFE but have equivalent knowledge and training in digital forensics.

The CFCE certification is valid for three years and can be renewed by demonstrating continuing education and successfully completing a proficiency exercise.

The IACIS CFCE is accredited by the Forensic Specialties Accreditation Board (FSAB).



Certified Advanced Windows Forensic Examiner (CAWFE) is an advanced certification drawn from a set of competencies specific to the Windows operating system, including partitioning schemes, file systems, Registry, Windows-specific artifacts and live memory acquisition and analysis.

The CAWFE certification program is implemented as two separate assessments. The first component is a written examination that tests the applicant's range of knowledge of Windows forensic topics. After passing the first test, the applicant is given a practical assessment based on a set of image files and Windows artifacts.

The IACIS Windows Forensic Examiner (WFE) course, offered at IACIS training conferences, is a five-day, 36-hour class including lectures and instructor-led practical exercises using live Windows systems and a wide variety of tools. The course is also available in an online format. The WFE curriculum covers many of the topics encountered during CAWFE certification, though applicants are encouraged to study other available Windows forensics resources prior to attempting certification.

The CAWFE certification is valid for three years and can be renewed by demonstrating continuing education and successfully completing a proficiency exercise.



IACIS Certified Mobile Device Examiner (ICMDE) certification demonstrates advanced knowledge and skill in the acquisition and analysis of mobile device evidence. As with CFCE and CAWFE certification, applicants must demonstrate competency by successfully completing both a knowledge exam and a practical exercise based on Android and IOS images and artifacts.

The IACIS Mobile Device Forensics (MDF) course, taken as either a 36-hour live-instructor class or online, is the foundation for the skills required to achieve ICMDE certification. Both the course and the certification program use a tool-independent, device-agnostic approach to acquiring and analyzing mobile device evidence.

IACIS ICMDE certification is valid for three years and can be renewed by demonstrating continuing education and successfully completing a proficiency exercise.

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Trufflepig Nexus analyses Windows memory images fast and reliably with an intuitive Web-UI. It gives a comprehensive overview of artifacts, IoCs and their context which allows for an efficient triage



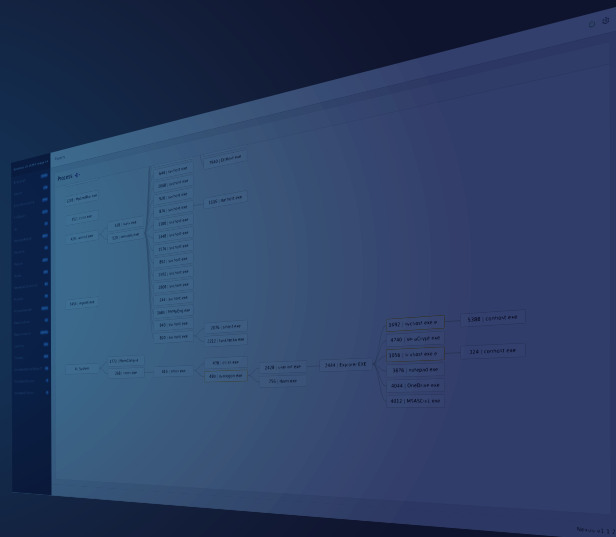
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Trufflepig supports law enforcement agencies with a hassle-free memory forensics solution for example in finding suspicious processes and network activity or user behavior.



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Trufflepig helps IR teams generate detailed insights fast based on a computers memory and associated data sources. The solution helps to detect and reverse engineer malware and analyze user misconduct.



FRAUD EXAMINATION

Trufflepig helps to digitize fraud investigations by making memory investigations more accessible to a larger audience of forensic examiners.

WHY NEXUS

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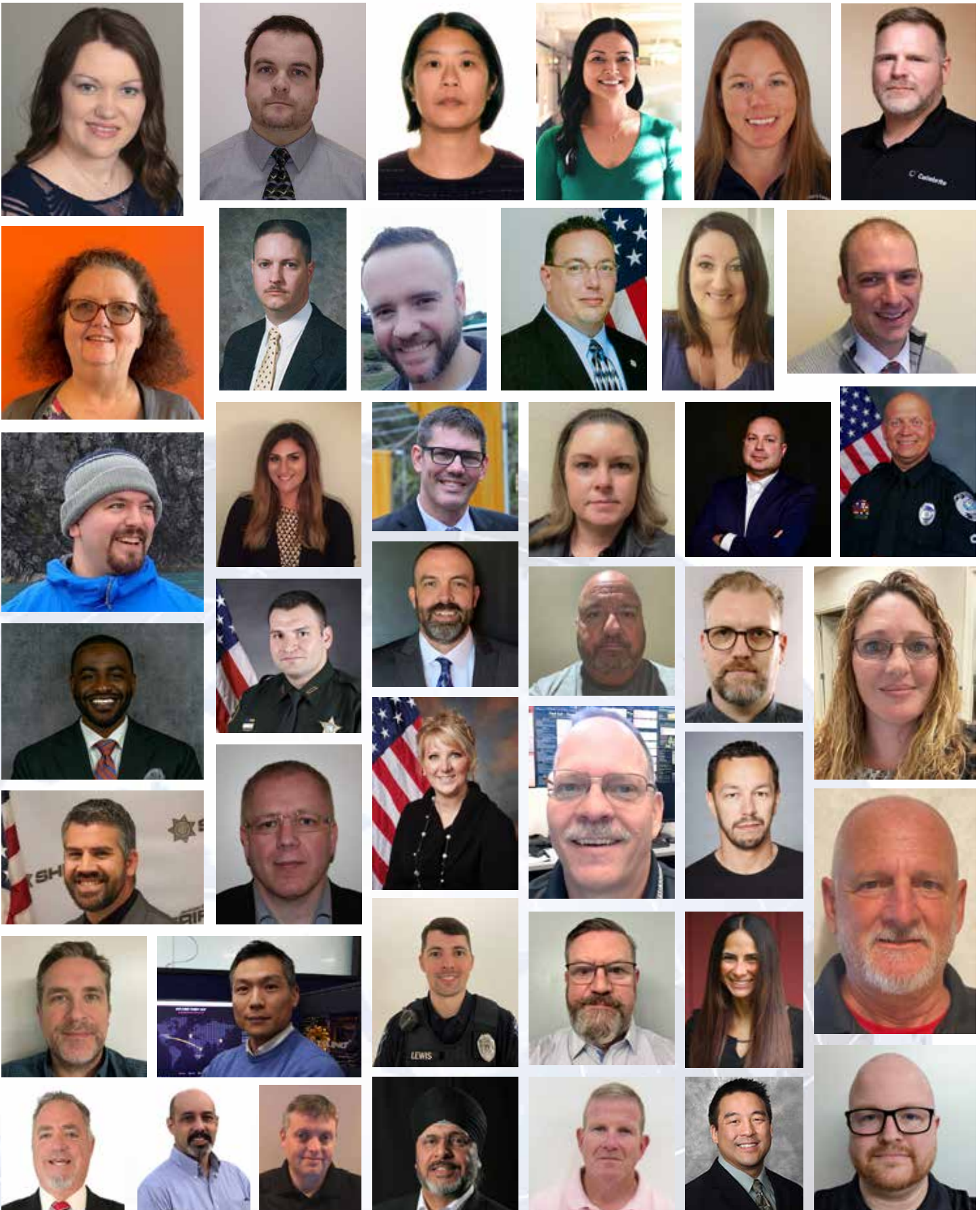


Trufflepig Forensics

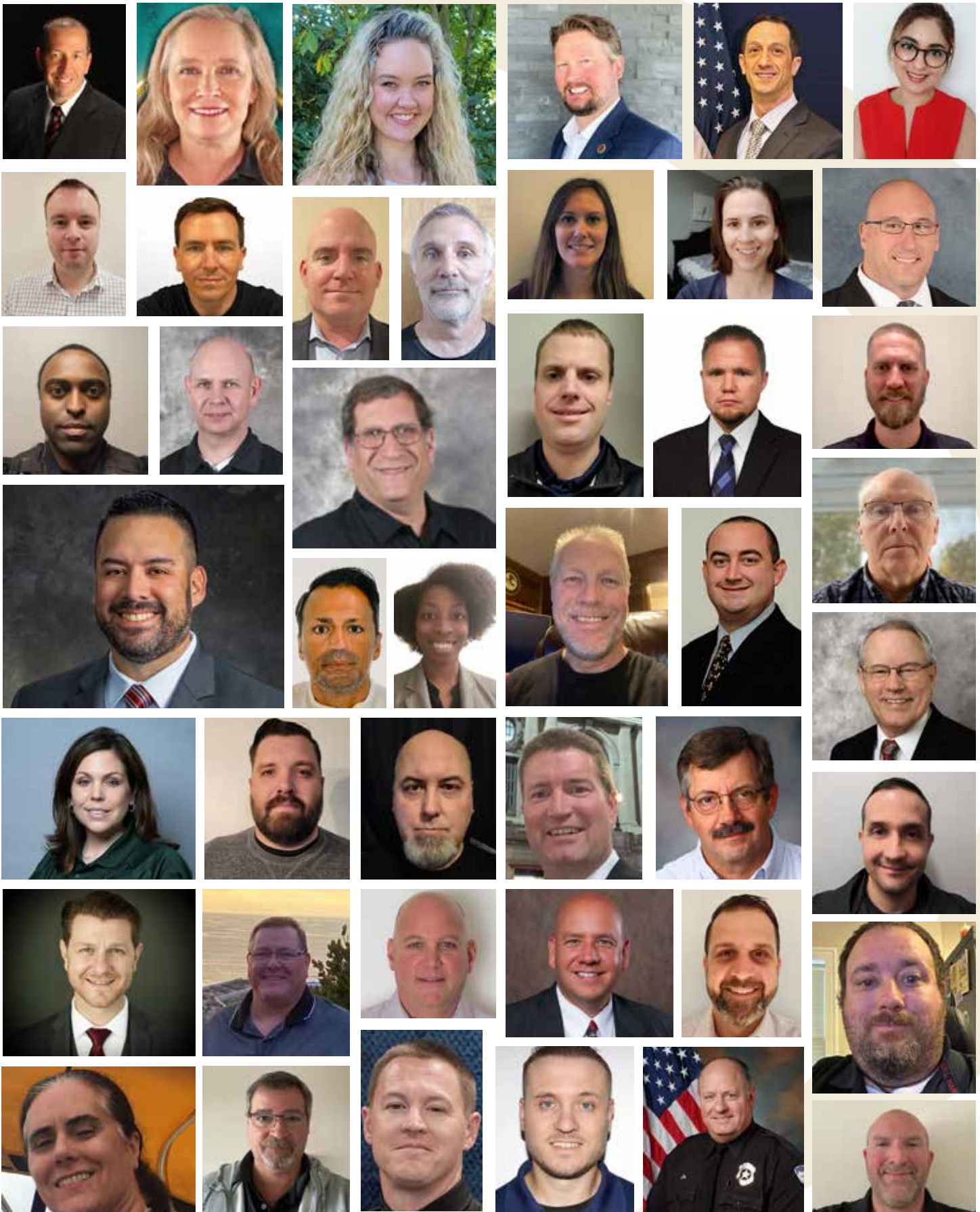


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IACIS 2023 Volunteers



IACIS 2023 Volunteers



IACIS Lifetime Members

The Lifetime Membership Award is one held in the highest regard by the International Association of Computer Investigative Specialists (IACIS). Our Lifetime Members have demonstrated exceptional volunteerism and contribution towards the betterment of IACIS over years of service. Below are just a few of our marvelous Lifetime Members:



For a full list of our Lifetime Members, visit:

Women in Law Enforcement Scholarship Winner



Selina Russell, ICMDE, CCSI



MOBILE DEVICE FORENSICS (MDF)

SCHOLARSHIP WINNERS



Detective Sergeant Jay Navaratnarajah
Metropolitan Police Service (Scotland Yard)



Detective Mike Carpenter
Waukesha Police Department

MANY THANKS TO OUR SPONSOR:

MSAB

≡≡≡ **2023 WINNER** ≡≡≡

WILL DOCKEN SCHOLARSHIP



Detective Sergeant Tim Broughton
Highlands Police Department

Many thanks to Digital Intelligence for their continued support!

Digital Intelligence®
accelerating the science of digital forensics

In an effort to give back to our law enforcement partners, and more specifically our mobile forensics community, MSAB is sponsoring scholarships for two Students in the prestigious **IACIS Mobile Device Forensics (MDF)** course. We thank IACIS for the opportunity to help grow this crucial law enforcement discipline and congratulate our first two scholarship recipients!

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IACIS PODCAST

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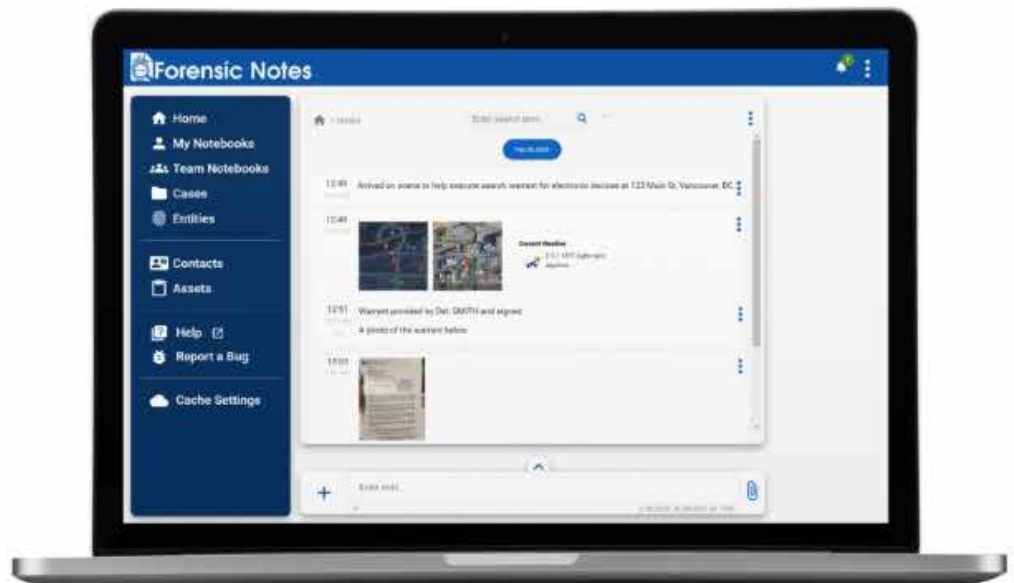


[YOUTUBE.COM/@IACISPODCAST](https://www.youtube.com/@IACISPODCAST)

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Expert Witness Testimony Course Instructor
Barrister and Solicitor - PhD Candidate

"I also agree wholeheartedly with Forensic Notes reasoning on why not to use MS Word and OneNote and instead use Forensic Notes."



Harlan Carvey
Author of "Investigating Windows Systems"
RegRipper Developer

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Brett Shavers
Digital Forensics Practitioner
Author and Instructor

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media origin
(web/ 1st gen)

Filter CSAM
results by
location



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Safely- mitigate mental health damage caused to investigators

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IACIS HISTORY

In February 1991, IACIS held its first training class at the Red Lion Hotel located in Portland, Oregon. Some of the topical courses taught during this first training event included: preparing search warrants, undeleting files, file compression, and ethical use of software. It is interesting to note that many years later, these foundational courses are still an integral part of the IACIS training curriculum being taught today.

Subsequent training classes were held in Portland, Oregon during 1991, 1992, 1993, and 1995. A special training course was offered for the US Army in 1992, while another was held in McLean, VA in 1994. In 1995, a training course was taught in Hong Kong, marking the first time the course was hosted overseas. In 1996, IACIS moved its annual training event to the Orlando, Florida area, where it has remained to this day. As the popularity of the specialized forensic training and corresponding membership in the organization continued to grow, the reputation of the organization spread internationally.

In 2006, IACIS entered into a training partnership with organizations within the European Union to provide basic and specialized computer forensic training to the European Union law enforcement community. The training was hosted in Germany through 2012, when the contract ended. In 2013, IACIS entered into a similar partnership to continue providing computer forensic training to members of the European Union law enforcement community, but the training was moved to Croatia where it is currently being held. As a testimony to its international focus, IACIS has also previously provided computer forensic training in Australia and most recently in New Zealand.

From its very inception, IACIS was built upon two foundational pillars — training and certification. Aside from training and foundational to its core purpose, IACIS has been instrumental in the development and implementation of a carefully constructed certification process for its membership. In those earlier days, those successfully completing the IACIS training were granted the DOS Seizure Certificate (DSC) and offered the opportunity to complete an additional set of post-training problems and testing. Those successfully completing the problem set and rigorous testing were granted the DOS Processing Certificate (DPC).

Over its vibrant and colorful history, IACIS has emerged as a premiere international organization specializing in training and certification in the field of computer forensics. As a testimony to its continual pursuit of excellence in the scientific discipline of computer forensics, in 2012 IACIS was accredited by the Forensic Specialties Accreditation Board (FSAB) and is recognized as the first computer forensics organization accredited for its certification program (CFCE). Later that same year IACIS began offering certification as a part of the Certified Advanced Windows Forensic Examiner's program. Today IACIS is governed by an 11-person Board of Directors and consists of approximately 2,200 members and 1,800 CFCE's located around the world.



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IACIS Specialized Courses

Applied Scripting Forensics

The IACIS Applied Scripting Forensic course will equip you with the practical skills and knowledge to exploit data using a variety of scripting languages. Students will learn the necessary skills to extract data from diverse sources using scripting languages such as RegEx, SQLite, BASH, Python and PowerShell. Using Linux, we will explore alternate extraction techniques at the command line to further exploit unstructured file data.

BCFE: Basic Computer Forensics Examiner

The IACIS Basic Computer Forensic Examiner (BCFE) training has no prerequisites, and any computer knowledge is a plus. The 76-hour course covers basic and highly technical theories, terms, and techniques. The BCFE provides 90% of what is needed to complete the CFCE process, with optional evening computer labs for extra hands-on time. CFCE candidates are provided a coach to help with peer review problem sets.

CIFR: Cyber Incident Forensic Response

This two-week incident response training teaches investigation concepts for both the network and endpoint levels. The level of training is deep and broad enough so the student understands the concepts and processes and can apply them to an investigation.

CFRW: Computer Forensics — Real World

The CFRW training takes students through a realistic case scenario built on the Windows operating system. Students use full forensic suites to conduct in-depth analysis to extract evidentiary data. The forensic suites are compared showing strengths and weaknesses of each tool.

DEPICT: Digital Evidence for Prosecuting & Investigating Criminal Trials

The IACIS DEPICT (Digital Evidence for Prosecuting & Investigating Criminal Trials) course is a 36-hour class made for attorneys that deal with computer forensics in criminal cases. This class will give attorneys an understanding of computer forensics and how to properly introduce and admit electronic evidence at trial. This class will also discuss the dangers of substance abuse, racial biases, and ethical competency issues surrounding electronic evidence.

MDF: Mobile Device Forensics

The Mobile Device Forensics Training Program is a 36-hour course of instruction. The program will expand the students existing mobile forensic knowledge and skillset and is designed to provide students with intermediate to advanced skills needed to detect, decode, decrypt, and analyze evidence recovered from mobile devices during mobile device investigations.

MDFL: Managing a Digital Forensic Lab

This course is designed for supervisors or managers that have the responsibility to supervise a digital forensics unit or laboratory. Topics include training and certification of examiners, case and evidence management, and development of policies and procedures.

OSINT: Open-Source Intelligence

This is an introductory course in Open-Source Intelligence (OSINT) information research, collection, exploitation, and analysis. Various use cases will be explored, ranging from OSINT in support of long-term research, to utilizing OSINT to support live operations. Students will learn how to conduct an OSINT needs analysis for their own organization, enabling safe, legal, and effective implementation of OSINT methodologies in their respective workplaces.

IACIS Specialized Courses

PLA: Preparing for Lab Accreditation

This course is designed for examiners, supervisors, managers, and executives that have the responsibility to develop and implement policies and procedures within a digital forensic unit or laboratory in their efforts to obtain accreditation. The course of instruction will provide guidance on how any digital evidence lab can earn accreditation by understanding and implementing the accreditation requirements.

RCA: RAM Capture and Analysis

This course is designed for the law enforcement professional that needs to leverage volatile memory to find evidence that does not exist on disk. The students will learn different techniques to capture RAM on Windows, Mac, and Linux systems. Students will also learn techniques to find the passwords for encrypted containers, and additional techniques to break into encrypted partitions.

WFE: Windows Forensic Examiner

This program will focus on how a variety of Windows Operating Systems work “under the hood,” with a focus on the most current/common versions. At the conclusion of this course, students will have a clearer understanding of various operating system artifacts and why they present as they do, and how knowledge of these artifacts can play a significant role in the forensic and investigative process.



The banner features the Spyder Forensics logo on the left, which includes a stylized spider icon. To the right of the logo is a photograph of a computer lab with several workstations. Below the logo, a quote reads: "Take your new digital forensics knowledge gained during the IACIS Spring conference to the next level by attending one of our advanced digital forensic courses". At the bottom left, it says "The Knowledge You Need to Succeed in Digital Investigations". On the right side, another quote says: "I look forward to seeing you at a future event" followed by "Rob Attoe, Life Time IACIS Member". The bottom of the banner contains three contact options: an email icon for Training@spyderforensics.com, a globe icon for www.spyderforensics.com, and another globe icon for www.spyderforensics-academy.com.

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FORENSICS

"Take your new digital forensics knowledge gained during the IACIS Spring conference to the next level by attending one of our advanced digital forensic courses"

The Knowledge You Need to Succeed in Digital Investigations

"I look forward to seeing you at a future event"

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Manage

360° Case Management Solution. Manage your entire digital investigation with OSF's new reporting features. Build custom reports, add narratives and even attach your other tools' reports to the OSF report.

Why OSForensics:

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- Automated Forensic Process
- Installs to USB for Live Analysis
- 360° Case Management Tool
- Supports Windows | Mac | Linux | Android
- Quickly Gather and Log Evidence
- Budget Friendly
- No Dongles
- Exceptional Customer Service
- Free 30-day Trial Available

Features Including:



Remote Acquisition



Auto Triage



Boot Virtual Machine



Export Cloud Drive



Memory Viewer



File System Browser



Fast Scan Speeds



Deleted File Search



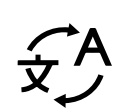
Create and Verify Hash Sets



Face/ Illicit Image Detection



Email and Image GPS Mapping



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e: info@passmark.com

p: +1 650 216 2306

www.passmark.com

www.osforensics.com

Vendor Specialized Training

AVF: Advanced Video Forensics Course

The Advanced Video Forensics Course (AVF) is a five-day program for investigators and forensic analysts to gain deep understanding of digital video technology and authenticate digital video, including deepfake videos. Students learn how digital video is encoded and stored to provide expert analysis, identify the source of unknown video files, and interpret video from various sources. The course features open-source tools and the Medex Forensics video examination tool for real-world insights.

AX200: AXIOM Examinations

Magnet AXIOM Examinations is ideal for those who require intermediate-level training with a digital investigation platform that covers cases involving smartphones, tablets, computers, and cloud data in a single collaborative interface. This course is the perfect entry point for examiners who are new to AXIOM.

CASA: Cellebrite Advanced Smartphone Analysis

The Cellebrite Advanced Smartphone Analysis (CASA) class is a five-day expert-level course for forensic recovery of smartphone app data. Participants learn to decode data not commonly decoded by forensic tools, use third-party software and Python scripts, and analyze, verify, and validate findings. Prerequisites include familiarity with Physical Analyzer and completion of CCPA.

CCPA: Cellebrite Certified Physical Analyst

The Cellebrite Certified Physical Analyst course (CCPA) is a five-day program for investigators and analysts, focusing on advanced search techniques using Physical Analyzer software. Participants explore recovered data, database contents, analysis techniques, and reporting. No extractions are conducted.

DADF: Detego Analysis & Detego Field

This training enables investigators to leverage the full power of Detego's Digital Forensics tools in both lab and field-based environments. Covering the fundamentals of each acquisition and analytical feature, the training details how Detego's solutions help users to carry out rapid logical and physical data acquisition from a range of devices including computers, mobiles, drones and removable devices.

DARK: Darknet Investigations for Law Enforcement

This course is taught by Spyder Forensics and will provide the student with the understanding of how to accomplish effective investigation of Darknet sites and users. The course will equip individuals with investigative skills to meet the new challenges offered by the anonymity of the Darknet.

Vendor Specialized Training

MFSC-101: The Best Practices in Mac Forensics - SUMURI

This training (MFSC-101) covers the process of examining a Macintosh computer from the first step to the last step in logical order. The course was designed for both the beginner Mac examiner as well as the advanced. Surprising to most is that the entire course is taught using a Mac to examine a Mac without the use of expensive automated forensic tools.

MFSC-201: The Advanced Practices in Mac Forensics - SUMURI

The Advanced Practices in Mac Forensics (MFSC-201) course provides unparalleled vendor-neutral and tool-agnostic instruction in advanced topics relating to the forensic use and analysis of Apple hardware, technologies, and applications. Registrants must have taken MFSC-101, either week 1 or prior.

NUIX: Nuix Workstation and Windows Artifacts Analysis

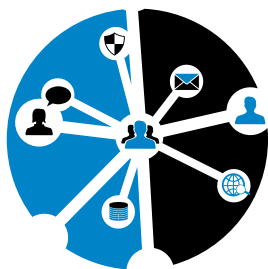
Learn to create cases, analyze various artifacts encountered in the wild, and improve overall performance in investigations with Nuix Imager and Workstation class (4.5 days). Emphasis on analyzing Windows Artifacts through a Nuix case. Master Nuix and optimize your investigation workflow with this comprehensive class.

TRUX: Truxton CFE Bootcamp

The Truxton CFE Bootcamp is designed to introduce new users to the Truxton digital forensics platform and provide basic level certification using the software. Students will learn how to successfully perform mobile, PC, and SD card acquisitions using ADF DEI Pro; ingest ADF and other forensic images into Truxton; create and manage a media repository, and run a real-world case from start to finish using Truxton.

UAV: UAV (Drone) Forensics — Spyder Forensics

This 36-hour advanced level course will equip you with the practical skills and competencies required to identify and extract various sources of data recoverable from Unmanned Aircraft Systems (UAS), also known as Drones, including their associated control devices in line with approved best practices.



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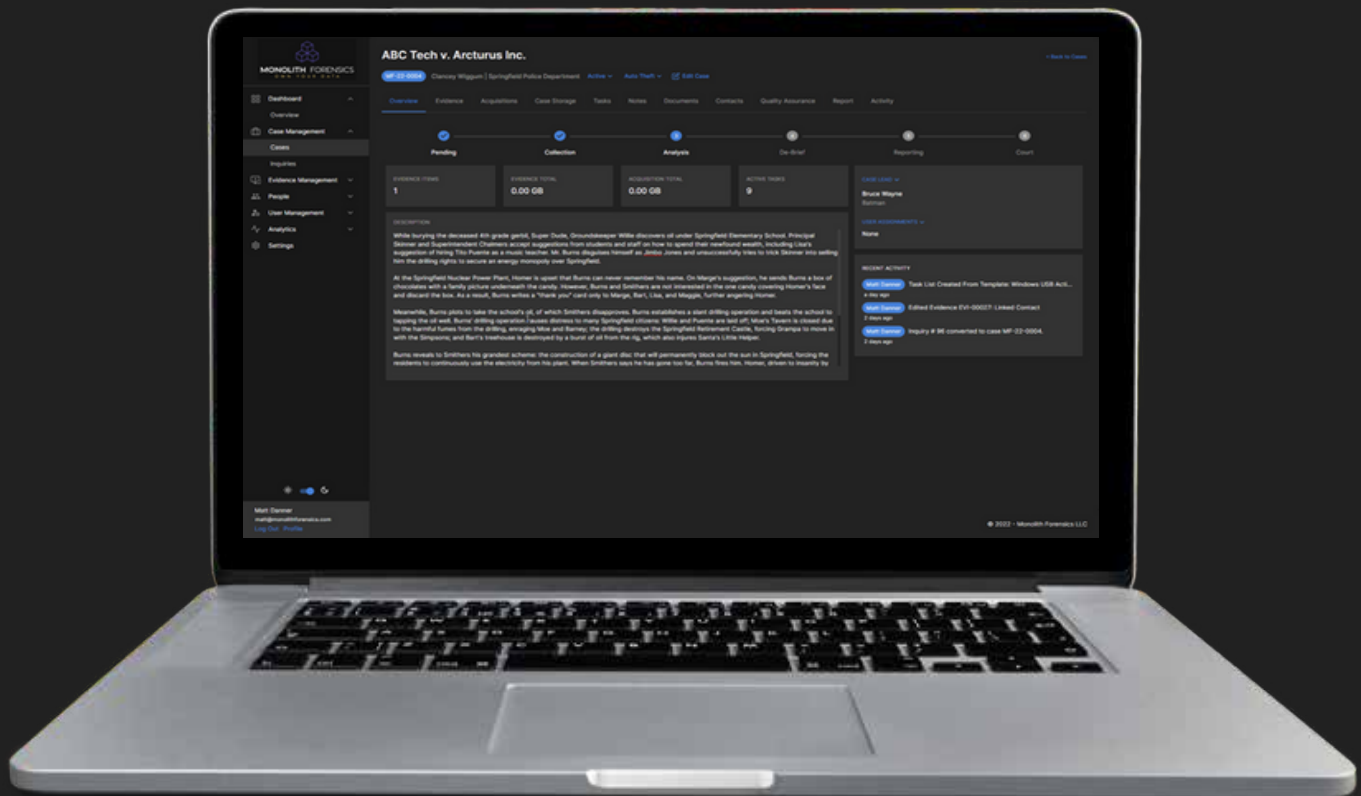
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**Conference Center
Room Map**

IACIS Conference 2023 - Orlando, Florida

ASCII / Base64 Word Search

X	T	G	R	R	K	V	9	I	Y	1	m	+	r	x
3	H	2	e	W	U	H	I	0	a	G	9	u	4	s
e	D	j	5	t	5	J	A	D	d	9	a	R	S	q
T	7	n	V	s	e	P	M	D	+	Z	7	B	R	s
W	J	h	m	T	a	Y	m	F	5	T	o	G	X	I
F	R	m	9	Y	Z	W	5	z	a	W	N	z	h	6
j	I	3	s	t	+	d	5	N	o	V	R	T	h	V
a	K	9	d	4	6	I	+	I	X	t	d	T	b	q
W	t	T	W	9	i	a	W	x	I	b	P	t	W	8
5	h	J	5	r	h	Z	G	W	P	3	9	K	I	r
0	W	K	0	J	I	u	9	/	I	J	Z	j	u	L
b	m	W	Z	A	U	6	Y	H	B	5	J	9	Z	+
3	Y	b	W	J	N	P	B	9	e	i	k	H	X	m
N	Y	z	V	0	Z	F	H	s	b	e	Z	R	J	d
o	6	i	Y	2	I	M	+	P	R	L	W	d	z	T

Words to Find:

Forensics
Triage
Examiners
Memory
Volunteer
Macintosh
WFE
Python
Mobile
Online

INDEX	BINARY	CHAR	INDEX	BINARY	CHAR	INDEX	BINARY	CHAR	INDEX	BINARY	CHAR
0	000000	A	16	010000	Q	32	100000	g	48	110000	w
1	000001	B	17	010001	R	33	100001	h	49	110001	x
2	000010	C	18	010010	S	34	100010	i	50	110010	y
3	000011	D	19	010011	T	35	100011	j	51	110011	z
4	000100	E	20	010100	U	36	100100	k	52	110100	0
5	000101	F	21	010101	V	37	100101	l	53	110101	1
6	000110	G	22	010110	W	38	100110	m	54	110110	2
7	000111	H	23	010111	X	39	100111	n	55	110111	3
8	001000	I	24	011000	Y	40	101000	o	56	111000	4
9	001001	J	25	011001	Z	41	101001	p	57	111001	5
10	001010	K	26	011010	a	42	101010	q	58	111010	6
11	001011	L	27	011011	b	43	101011	r	59	111011	7
12	001100	M	28	011100	c	44	101100	s	60	111100	8
13	001101	N	29	011101	d	45	101101	t	61	111101	9
14	001110	O	30	011110	e	46	101110	u	62	111110	+
15	001111	P	31	011111	f	47	101111	v	63	111111	/

IACIS Conference 2023 - Orlando, Florida

ASCII / Base64 Word Search Rules

I need **HELP**
solving this
word search!



- ASCII the Electronic Detection K-9 needs help with this word search!
- Eligibility: Open to all IACIS members in attendance for any portion of the IACIS 2023 Orlando Training Event
- Submission deadline: Thursday May 4th, 8:00 AM
- Submission format: All submissions must be recieved at the specified drop-off location in each classroom or with the IACIS booth
- Scoring: All fully and correctly completed puzzles will be entered into a raffle to win a to be determined prize
- Notification of results: Winner(s) will be announced at the event and via social media channels

DID YOU KNOW?

Base64 encoding is frequently used in websites, and can be especially useful to understand when researching social media platforms like Facebook, Twitter, Instagram, and TikTok.

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IACIS is truly an International Association and accepts memberships from countries worldwide. Current membership in IACIS includes over 60 different countries from all over the globe.



Probity's new Tactical PFL provides Law Enforcement and Government Agencies the ability to collect, exploit, and triage media in the field. The Tactical PFL weighs under 10 pounds and lets you go from the overhead bin or the trunk of your car— without lugging heavy, oversized hard-shell cases.

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The Tactical PFL is powered by Truxton, an enterprise-ready forensic platform that automates exploitation, artifact discovery, and correlations between disparate media sources from a single, intuitive workspace. It's the ideal solution for outfitting and coordinating forensic capabilities from multiple locations and organizations.

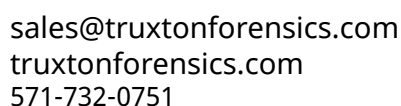
SCAN FOR MORE



The screenshot shows a Windows File Explorer window with the 'File' menu open. The menu options include 'Open in window', 'Print', 'Send to', 'Share', 'Copy', 'Create shortcut', 'Rename', and 'Delete'. The folder being viewed is 'White Post Case Collection' located at 'C:\Users\user\Documents\White Post Case Collection'.

[illegible]

Name	Case #	Type	Size	Tags
↳ [PDF] Apple iPhone 7 (N919) 7018...	202008_7018	Folder	67.1 KB	General Case Status Mobile Backup Case
↳ [PDF] Garmin Navi 2019V 2019_20...	202008_1781	Folder	1.0 KB	General Case Status Mobile Backup Case
↳ [PDF] Unity4	202008_3885	Folder	176.7 KB	General Case Status Mobile Backup Case
↳ [PDF] Unity2	202008_5851	Folder	2.3 KB	General Case Status Mobile Backup Case
↳ [PDF] Slogo	202008_5201	Folder	6.0 KB	General Case Status Mobile Backup Case
↳ [PDF] Samsung G940 SM-A320F_2...	202008_3108	Folder	67.1 KB	General Case Status Mobile Backup Case
↳ WhatsApp102821	2020_740_1028	Case image	19.1 KB	Document Specify General Case Status Mobile Backup Case
↳ [PDF] Western Union 2020V1542 Android...	202008_3143	Folder	986.0 KB	General Case Status Mobile Backup Case
↳ [PDF] Screen	202008_2022	Folder	152.3 KB	General Case Status Mobile Backup Case
↳ [PDF] Unity4	202008_2055	Folder	3.4 KB	General Case Status Mobile Backup Case
↳ [PDF] Unity2	202008_2055	Folder	872.7 KB	General Case Status Mobile Backup Case
↳ [PDF] Page	202008_2059	Folder	15.3 KB	General Case Status Mobile Backup Case

[illegible]

Truxton Automatically Delivers Summary Reports for Unique/Shared Artifacts, Consolidated Contacts and Geographic Data (KMZ)





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Allen LaFontaine, Forensic Examiner,
Southern Alberta Internet Child Exploitation Unit





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