

Biography

Jim Hoerricks, PhD AVFA, is a Certified Audio/Video Forensic Analyst (AVFA), is the author of the best-selling book *Forensic Photoshop* (available on Amazon.com), is a co-author of *Best Practices for the Retrieval of Video Evidence from Digital CCTV Systems (DCCTV Guide)*, published by the Combating Terrorism Technical Support Office (CTTSO), is retired from police service where his unit (LAPD's Electronics Unit) was responsible for the collection and analysis of multimedia evidence (audio, video, images, and metadata from digital CCTV systems and mobile devices), and served two terms on the Organization of Scientific Area Committees on Forensic Science (OSAC) as the Video / Image Technology and Analysis (VITAL); finishing as the Video Task Group lead.

In this pdf binder, you'll will find a CV as well as lists of testimony, training created and presented, and training received.

Jim Hoerricks, PhD

jim@hoerricks.com

Forensic Scientist - Education/Training Specialist

Industry leader, innovator, and seasoned forensic science specialist with 20+ years of experience in evidence collection, restoration, forensic analysis, authentication, and presentation, offering expertise in designing educational and training experiences in the digital / multimedia forensic sciences as well training practitioners from initial competency to mastery.

Core Competencies:

- Digital / Multimedia Forensics
 - Instructional Design
 - Education / Training
 - Scientific Research / Institutional Review
 - Standards Creation / Compliance
 - International Accreditation
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Accomplishments in Action:

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|---|----------------|
| Self-Employed , based in US and Estonia
Forensic Analyst, Photographer, Author, Educator, Trainer, Instructional Designer, Consultant. | 1998 - Present |
| Senior Consultant , Apex Partners, Ltd., Las Vegas, NV
Digital / Multimedia Forensic Science case work, training, consulting, service sales, and custom support solutions. | 2018-Present |
| Special Education Teacher , LAUSD, Los Angeles, CA
Joined with AmeriCorps for a national service commitment to teach Special Education in Title I schools during the global pandemic. | 2020 - Present |
| Director of Instruction / IRB Supervisor, Towcester Abbey Praeceptory
Conducting leading edge research and providing comprehensive services to the autism community. | 2015 - Present |
| Director of Support and Training , Amped Software, Inc., Henderson, NV.
Provides innovative solutions for digital evidence analysis, enhancement, and authentication. | 2016 - 2019 |
| Police Surveillance Specialist / Senior Forensic Multimedia Analyst ,
Los Angeles Police Department, Los Angeles, CA.
Handled thousands of cases for the LAPD and on loan to agencies around the world. Master low-power electrician skilled in the fabrication, installation, and operation of miniature surveillance gear. Urban Intelligence / Surveillance / Reconnaissance (ISR) covert operations. | 2001-2016 |

Jim Hoerricks, PhD

Areas of Specialization:

Forensic Analysis of Audio / Image / Video Based Evidence, Restoration, Clarification, Photogrammetry, Comparison Analysis, Content Analysis, Authentication, the processing and analysis of the digital crime scene and it's evidence, Statistical Analysis, Forensic Science, Standards and Compliance, Curriculum Design, Research, Training and Education.

Research and Development:

- Adobe Systems, Inc., Beta Tester for Adobe Photoshop and Acrobat Pro.
 - Amped Software, Inc., Alpha and Beta Tester for entire product line.
 - Ocean Systems, Inc., Beta Tester for Archive-R & Omnivore.
 - Salient Stills, Inc. (now Salient Sciences, Inc.), Beta Tester for VideoFocus 3.
 - Sanyo / Fisher North America Corp., Beta Tester for Case Information Media Management (CIMM).
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Education:

- A.S., Political Science, Santa Rosa Junior College, Santa Rosa, CA 1992
 - B.A., Organizational Leadership, Woodbury University, Burbank, CA 2009
 - M.A., Organizational Leadership, Woodbury University, Burbank, CA 2010
 - Ph.D., Education - Higher Education Leadership, Trident University, Cypress, CA 2018
 - M.Ed., Instructional Design, Western Governors University, Salt Lake City, UT 2019
 - M.Ed., Special Education, Loyola Marymount University, Los Angeles, CA Present
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Professional Affiliations:

- Founding Member of the Organization of Scientific Area Committees on Forensic Science (NIST / OSAC), Video Imaging Technology and Analysis Subcommittee, Video Task Group Chairperson. Served two terms. Termed out per institutional policies.
 - International Law Enforcement Educators and Trainers Association, Member
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Licenses and Certifications:

- Certified Audio / Video Forensic Analyst (eta-i)
- General Radiotelephone Operator License (FCC)
- CCO / CCPA / CASA / CAF / CVRA / CAVA Certifications (Cellebrite, Inc)
- Amped Certified Analyst (FIVE / Authenticate)
- Amped Certified Instructor (FIVE / Authenticate)
- TechSmith: Camtasia and SnagIt Certification
- California Education Specialist Teaching Credential (Level 1)

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Testimonial Record

While the cases below represent those that have gone to trial, I have provided analysis and assistance in well over a thousand cases since 2001. Working both for the government and in private practice, I've provided expertise in general processing and format conversion, restoration / clarification / enhancement, photogrammetry, content analysis, comparison analysis, authentication.

Expert Testimony

- People v. Carpenter (3CR13501)
Los Angeles County Superior Court, April 2004 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification)
- People v. Cruz (4CR06272)
Los Angeles County Superior Court, April 2004 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification)
- People v. Casey (PA049315)
Los Angeles County Superior Court, January 2005 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification)
- People v. Garcia (62-55517)
Sacramento County Superior Court, October 2006 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification & Content Analysis)
- People v. Abdullah (BA353334)
Los Angeles County Superior Court, December 2009 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Authentication)
- People v. Kemp (BA387506)
Los Angeles County Superior Court, May 2014 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification & Content Analysis)
- NV vs. Stewart (C-16-315677-3)
Clark County District Court, August 2017 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Video Clarification & Content Analysis)
- US v Wells (3:13-cr-00008-SLG) US Federal Court, District of Alaska, October 2019 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Forensic Video Analysis, Photogrammetry, Vehicle Make / Model Determination, Photographic Comparison, and industry best practices)
- Swain v. Gafford Eighth Judicial District Court, Clark County, NV. February 2020 (Testimonial Class: digital / multimedia forensic analysis (aka forensic video analysis or digital visual media forensics). Work type: Audio / Video Authentication)

General Testimony

People v. Vann (BA351183) Los Angeles County Superior Court, March 2010

Testified as to my involvement in a digital multimedia evidence retrieval

People v. Childress (BA356413) Los Angeles County Superior Court, November 2011

Testified as to my downloading of a mobile phone's contents

People v. Nunez-Sharp / Lopez (BA397214) Los Angeles County Superior Court, March 2015

Testified as to my involvement in a digital multimedia evidence retrieval

People v. Palmer (BA356413) Los Angeles County Superior Court, October 2019

Testified as to my downloading of the contents of several mobile phones

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Declarations

In re Carol Ann Worthman (A032096) Los Angeles County Superior Court, April 2008

Declaration in support of the need for original documents for authentication purposes

Hor vs City of Seattle (10-2-34403-9SEA) King County Superior Court, October 2012

Declaration as to forensic audio analysis work performed to identify speakers and sirens in audio recording

People v Payton (2010-002-126) Ventura County Superior Court, March 2012

Declaration as to image authentication work performed, authentication of digital images.

People v Goodlow (BA422433) Los Angeles County Superior Court, November 2014

Declaration as to review of opposing expert's work in facial imaging.

Swain v Gafford (2020) Eighth Judicial District Court, Clark County, NV, January 2020

Declaration as to results of preliminary authenticity examination of audio / video content within an official courtroom recording.

Hearings

Az. v. Awad (CR-2017-1727) Mohave County Superior Court, August 2018

Daubert Hearing on Image Authentication

US v Wells (3:13-cr-00008-SLG) US Federal Court, District of Alaska, July 2019 (Daubert Hearing on Forensic Video Analysis, Photogrammetry, Vehicle Make / Model Determination, Photographic Comparison, and industry best practices.

NH. v. Ellison (217-2018-CR-1048) Merrimack County Superior Court, March 2020

Daubert Hearing on Reverse Projection, Photogrammetry, Photographic Comparison, Vehicle Make / Model Determination, and industry best practices.

Depositions

NH v Richard Ellison (217-2018-CR-1048) Merrimack Superior Court (remote), January 2020

Pre-Daubert Hearing deposition on Photogrammetry, Reverse Projection Photogrammetry, Photographic Comparison, Vehicle Make / Model Determination, and Standards / Practices.

Scott v Charlotte / Vinson (18-CVS- 16700) Mecklenburg Superior Court (remote), April 2020

Pre-trial deposition on the forensic analysis of audio and video evidence, photogrammetry, comparison, and content analysis of body worn camera and dash cam videos.

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Major Publications

- Best Practices for the Retrieval of Video Evidence from Digital CCTV Systems (DCCTV Guide). 2006 (co-author). CTTSO.
- Forensic Photoshop. 2008. Blurb. San Francisco
- The Forensic Video and Image Analysis Blog. 2007-2015

Journal Articles

Journal of Forensic Identification:

re: Lack of Enforcement of Standards as Regards the Testing of Human Subjects (69 (1), 2019 | 1)

re: A Comparison of Reverse Projection and Laser Scanning Photogrammetry (69 (1), 2019 | 1)

Chartered Society of Forensic Science (UK):

Statistics for Digital / Multimedia Forensic Analysts (August, 2019)

eForensics Magazine:

Statistics for Forensic Analysts (June, 2019)

A Quantitative Comparison of Common Interpolation Methods - a study investigating common interpolation methods used in digital / multimedia forensic analysts (July, 2019)

Ground Truth - the missing link in digital/multimedia forensic science (January, 2020)

The subjectivity of consistency, an overview of manual facial photographic comparison in forensic science (March, 2020)

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Academic History

1988-1992 - Long Beach City College / Santa Rosa Junior College (A.S. - Political Science)
2006-2009 - Woodbury University (B.A. - Organizational Leadership)
2009-2010 - Woodbury University (M.A. - Organizational Leadership)
2010 - 2018 - Trident University at AIU (Ph.D. Education - Educational Leadership)
2018-2019 - Western Governors University (MEd. - Instructional Design)
2020-Present - Loyola Marymount University (MEd. - Special Education - expected graduation date 2022)

Relevant College Courses

SP 10 - Public Speaking
Long Beach City College
PSYCH 1 - Introduction to Psychology
Long Beach City College
ANTHRO 101 - Human Biological Evolution
Los Angeles Pierce College
ANTHRO 150a - Current Topics in Anthropology (Anthropology Lab)
Los Angeles Pierce College
ASTRO 3 - Stellar Astronomy
Santa Rosa Junior College (with Lab)
MATH 156 - Advanced Algebra
Santa Rosa Junior College
OL309 - Organizational Psychology
Woodbury University
OL312 - Quantitative Methods 1
Woodbury University
OL312 - Quantitative Methods 2
Woodbury University
OL501 - Psychology of Organizations
Woodbury University
OL502 - Ethics in Organizations
Woodbury University
OL508 - Quantitative Analysis
Woodbury University
DEL608 - Quantitative Research and Advanced Statistics I
Trident University International
DEL610 - Qualitative Research
Trident University International
DEL618 - Quantitative Research and Advanced Statistics II
Trident University International
DEL620 - Linking Theory with Research
Trident University International
C224 - Research Foundations
Western Governors University
C225 - Research Questions and Literature
Western Governors University
C226 - Research Design and Analysis
Western Governors University
JRT2 - Evaluation Methodology and Instrumentation
Western Governors University

JST2 - Evaluation Process and Recommendations

Western Governors University

MEC1 - Foundations of Measurement and Evaluation

Western Governors University

EDUR 66000 - Evidence-Based Assessment Practices

Loyola Marymount University

EDUR 6603 - Creating & Maintaining Effective Environments in Support of Student Learning

Loyola Marymount University

Specialized Training Received

Forensic Video Analysis and the Law

Law Enforcement / Emergency Services Video Association, Whittier, CA, June 2002, 40 Hours

Audio and Video Enhancement and Clarification

National Law Enforcement and Corrections Technology Center, El Segundo, CA, April 2002, 20 Hours

Best Practices for the Collection of Video Tape Evidence

National Law Enforcement and Corrections Technology Center, El Segundo, CA, April 2002, 4 Hours

dTective Video Evidence and Case Management System

OceanSystems, Burtonsville, MD, February 2004, 16 Hours

Electronic and Technical Surveillance Training

National Technical Investigator's Association, Austin, TX, July 2004, 40 Hours

Electronic Surveillance (Wiretap)

California Department of Justice Advanced Training Center, Los Angeles, CA, January 2004, 8 Hours

International Security Conference Expo Seminars

ISC Expo/West, Las Vegas, NV, March 2002, 24 Hours

Navigating Closed Circuit Television Systems

Pelco Video Security Institute, Clovis, CA, April 2002, 16 Hours

Designing Video Security Systems

Pelco Video Security Institute, Clovis, CA, September 2002, 16 Hours

Digital CCTV Solutions

Pelco Video Security Institute, Clovis, CA, April 2002, 16 Hours

Networking Basics for Pelco CCTV Products

Pelco Video Security Institute, Clovis, CA, April 2002, 8 Hours

Mastering Photoshop

MindLeaders, Los Angeles, CA, May 2002, 12 Hours

Cisco CCDA Internetworking Review

MindLeaders, Los Angeles, CA, May 2002, 8 Hours

Cisco CCNA OSI Reference Model

MindLeaders, Los Angeles, CA, May 2002, 8 Hours

Covert Video and Audio Recording Devices

Adaptive Digital Systems, Los Angeles, CA, November 2001, 4 Hours

Microsoft Transact SQL

LAPD Training Division/Virtual Training Company, August 2005, 8 Hours

Adobe Photoshop Training Camp Live

Software Cinema, Los Angeles, CA, January 2006, 8 Hours

Adobe Photoshop CS2 Layer Techniques

KW Computer Training, Los Angeles, CA, March 2006, 2 Hours

Electronic and Technical Surveillance Training

National Technical Investigator's Association, Sacramento, CA, July 2006, 34 Hours

Case Studies in Forensic Video Analysis - Intergraph Corp - Unilux, Ltd - U.S. Army

National Technical Investigator's Association, Sacramento, CA, July 2006, 2 Hours

Investigative and Technical Response to the London Bombings of July 2005 - Metropolitan Police, London, UK

National Technical Investigator's Association, Sacramento, CA, July 2006, 4 Hours

Effective Courtroom Testimony

Los Angeles District Attorney's Office, Los Angeles, CA, September 2006, 4 Hours

Instructor Development Course

Los Angeles Police Department, Training Division, Los Angeles, CA, January 2007, 64 Hours

Photoshop for Forensic Video Analysts

Resolution Video, Santa Fe Springs, CA, March 2007, 32 Hours

Forensic Analysis of Handheld GPS Devices

USCG / NATIA Mid-States Chapter, Indianapolis, In., April 2007, 2 Hours
Forensic Analysis of Cellular Telephones
Purdue Univ. / NATIA Mid-States Chapter, Indianapolis, In., April 2007, 4 Hours
Microsoft e-Learning - microsoft.com - May 2007
Course 4622: What's New in Microsoft Office Access 2007
Course 4623: What's New in Microsoft Office Excel 2007
Course 4624: What's New in Microsoft Office InfoPath 2007
Course 4625: What's New in Microsoft Office OneNote 2007
Course 4627: What's New in Microsoft Office PowerPoint 2007
Clinic 5046: Inside Look at Building and Developing Solutions with Microsoft Office SharePoint Server 2007
Adobe Creative Suite 3 New Feature Training
Art Center College of Design, Pasadena, CA, June 2007, 8 Hours
Shooting with the Hasselblad V System Medium Format Camera & Hasselblad Digital Back
Hasselblad USA / Art Center College of Design, Pasadena, CA, July 2007, 6 Hours
Using Hasselblad's Flexcolor 4.7, July 2007
Hasselblad USA / Art Center College of Design, Pasadena, CA, July 2007, 6 Hours
Electronic and Technical Surveillance Training
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 24 Hours
Forensic Audio and Video in the 21st Century
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
Fundamental Imaging Processing
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 4 Hours
New Features in Adobe's Creative Suite 3 for Forensic Video Analysts
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
Introduction to Computer Forensics
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
Understanding Screen Capture
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
CCTV Replay Using Clearview's DigiMux
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
Digital Video Recorder Screen Captures Using StarWitness by Signalscape
National Technical Investigator's Association, Pittsburgh, PA, July 2007, 2 Hours
Essentials of the AV Industry
InfoComm International, Los Angeles, CA, May 2008, 40 Hours
Adobe Premiere CS3 for Law Enforcement
Adobe, Inc., San Jose, CA, July 2008, 3 Hours
Adobe Captivate 3 for Law Enforcement
Adobe, Inc., San Jose, CA, July 2008, 2 Hours
Adobe Lightroom 2 for Law Enforcement
Adobe, Inc., San Jose, CA, July 2008, 3 Hours
Videotape Authentication by Characteristic Switch Points
TREC / National Technical Investigator's Association, San Jose, July 2008, 2 Hours
Adobe Photoshop for Photographers
Hewlett Packard, Los Angeles, CA, July 2008, 8 Hours
Technical Writing
Los Angeles Police Dept. Training Division, Los Angeles, CA, April 2009, 16 Hours
Adobe Soundbooth CS4
Total Training, Los Angeles, CA, April 2009, 6 Hours
Adobe Camera Raw 5
VTC, Los Angeles, CA, May 2009, 3 Hours
Digital Image Enhancement of Latent Prints Using DCS-4
Foster+Freeman, Los Angeles, CA, May 2009, 16 Hours
Processing of Forensic Evidence
NCSU Materials Science & Engineering Dept., Los Angeles, CA, January 2010, 1 Hour
Using Flash Retriever Forensic Edition
Infinidyne, Las Vegas, NV, August 2010, 3 Hours
Super Resolution Fundamentals
MotionDSP, Las Vegas, NV, August 2010, 1 Hour
Parallel Computer Architectures for Forensic Image/Video Processing

Cognitec, Las Vegas, August 2010, 1 Hour
FBI's Non-Traditional Video Delivery Method
LEVA Conference, Indianapolis, IN., November 2010, 1 Hour
Adobe: Delivering on the Workflow (Production Premium CS5)
LEVA Conference, Indianapolis, IN., November 2010, 3 Hours
Understanding Compression
Digital Summit International, Las Vegas, NV, August 2011, 1 Hour
Authentication
Digital Summit International, Las Vegas, NV, August 2011, 1 Hour
Mass Processing of Digital Multimedia Evidence
LEVA/University of Indianapolis, Indianapolis, In, October 2011, 40 Hours
Trial Preparation and Courtroom Presentation
LEVA Conference, Coeur d'Alene, Id., October 2011, 2 Hours
Digital Interview Rooms
LEVA Conference, Coeur d'Alene, Id., October 2011, 4 Hours
Forensic Video and Digital Multimedia Standards
LEVA Conference, Coeur d'Alene, Id., October 2011, 4 Hours
Advanced Forensic Multimedia Analysis with Amped FIVE Professional
Amped Software NA, Oceanside, Ca., July 2012, 16 hours
Advanced Image Authentication with Amped Authenticate
Amped Software NA, Oceanside, Ca., July 2012, 16 hours
Advanced Video Triage with Amped VideoScanner
Amped Software NA, Oceanside, Ca., July 2012, 8 hours
Digital Video Processing and Analysis Workflow
LEVA Conference, Asheville, NC, September 2013, 4 Hours
Strategies for Working with Students with Autism Spectrum Disorders
Region XII Education Service Center, Austin, Tx, February 2014, 61 Hours
Shooting Incident Reconstruction
Shooters Edge, Los Angeles, Ca, November 2014, 8 Hours
Visual Perception and the Brain
Duke University (via Coursera), January-March 2015, 32 Hours
Basics of Pistol Shooting
National Rifle Association (on-line), July 2016, 12 hours
Fundamentals of Digital Image and Video Processing
Northwestern University (via Coursera), August-October 2016, 48 Hours
Minimizing Bias in Forensic Decision Making
Concept Professional Training, May 2017, 10 hours
Mobilyze Tool Training Course
BlackBag Technologies, July 2017, 2 hours
Advanced Forensic Multimedia Analysis with Amped FIVE Professional
Amped Software, Inc., Las Vegas, NV., July 2018, 16 hours
Advanced Image Authentication with Amped Authenticate
Amped Software, Inc., Las Vegas, NV., July 2018, 16 hours
Preparing for DEAC Accreditation
Distance Education Accrediting Commission, August 2018, 4 hours
Augmentative and Alternative Communication and the Autism Spectrum
Region XII Education Service Center, Austin, Tx, August 2018, 3 Hours
edX - Course Creator (edX 101, edX Blended Learning, edX VideoX, edX Studio X)
edX, September 2018, 16 hours
Camtasia 2019 Certification
TechSmith, June 2019, 16 hours
Anatomy403.1x: Anatomy: Musculoskeletal and Integumentary Systems
University of Michigan, MichiganX, June 2019, 24 hours
Digital Visual Media Anti-Forensics and Counter Anti-Forensics (W34)
Hackin9 Media, June 2019, 18 hours
Introduction to Fusion-Based Digital Visual Media Forensics (W35)
Hackin9 Media, August 2019, 5 hours

Instructor Development Course (IDC)
Cellebrite, Inc., August 2021, 24 hours
Cellebrite Mobile Forensics Fundamentals (CMFF)
Cellebrite, Inc., September 2021, 16 hours
Camtasia 2021 Explorer Certification
TechSmith Corp., September 2021, 8 hours
Camtasia 2021 Voyager Certification
TechSmith Corp., September 2021, 8 hours
Cellebrite Video Recovery and Analysis (CVRA)
Cellebrite, Inc., October 2021, 35 hours
Cellebrite Certified Operator (CCO)
Cellebrite, Inc., October 2021, 14 hours
Cellebrite Certified Physical Analyst (CCPA)
Cellebrite, Inc., October 2021, 21 hours
Cellebrite Advanced Smartphone Analysis (CASA)
Cellebrite, Inc., November 2021, 35 hours
Cellebrite Apple Forensic Investigations (CAF)
Cellebrite, Inc., November 2021, 36 hours
Cellebrite Advanced Video Analysis (CAVA)
Cellebrite, Inc., February 2022, 36 hours

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Specialized Training Presented

ShowBiz Expo, 1997

Presented Lecture on non-linear video editing using AST's Windows NT based system

Presented Lecture on non-linear video editing using Adobe Premier on Windows NT

National Technical Investigators Association - Pacific Chapter's Winter Session, 2001

Presented Lecture on requirements of an off-line video editing bay for use in Forensic Video Analysis

Los Angeles Police Department - Divisional Roll-Call Training

Presented Roll-Call Training on the covert use of recording equipment in operations

Los Angeles Police Department - Divisional Training

Presented Training on the use of Adobe Photoshop in Forensic Video Analysis

Los Angeles Police Department - Divisional Training

Presented Training on the use of Adobe Premier Pro / After Effects in Forensic Video Analysis

Los Angeles Police Department - Divisional Training

Presented Training on the use of Sony's Vegas in Forensic Video Analysis

Los Angeles Police Department - Divisional Training

Presented Training on the use of Adobe's Creative Suite for Courtroom Presentations

Los Angeles Police Department - Divisional Training

Presented "Refresher" Training on the use of Avid in Forensic Video Analysis

Los Angeles Police Department - Divisional Training

Presented Training on the use of Sony's SoundForge for in field redactions and enhancements of audio recordings

Los Angeles Police Department - Operations West Bureau, Bureau Vice Summit, 2003

Presented Lecture on covert use of video recording equipment for use in Vice operations

Los Angeles Police Department - Organized Crime and Vice Division, OIC Vice Summit, Q2 2004

Presented Lecture on covert use of video and audio recording equipment for use in Vice operations

National Technical Investigators Association - Pacific Chapter's Winter Session, 2004

Presented Training Class "Basic Forensic Video Analysis," a 2 day class introducing law enforcement professionals to Forensic Video Analysis and providing hands on training with the hardware and software used in the process.

Los Angeles Police Department - Organized Crime and Vice Division, Pornography Section, 2005

Presented Training on use of PROP3 in pornography investigations

Los Angeles City Attorney's Office - Valley Bureau - Safe Neighborhood Division - Continuing Legal Education, January 2006

Presented "Using Video Evidence in Criminal Prosecutions"

Los Angeles City Attorney's Office - West Bureau - Safe Neighborhood Division - Continuing Legal Education, February 2006

Presented "Using Video Evidence in Criminal Prosecutions with Microsoft's PowerPoint"

Los Angeles County Sheriff's Department - Technical Services Unit - April 2006

Presented training on the collection of DCCTV Evidence and the Production of Working Copies

Los Angeles City Attorney's Office - Safe Neighborhood Division - Narcotics Enforcement Surveillance Team, May 2006

Presented "General Requirements for Digital CCTV Systems for Police Use"

Los Angeles Police Department - Scientific Investigation Division, Electronics Section, June 2006

Presented Training on support of enforcement of LAMC 41.70 using USBird and SoundForge

National Technical Investigators Association - Annual Conference, July 2006

"Advanced Forensic Photoshop" - Presented Training on the use of Photoshop in the Forensic Video Analyst's workflow.

"Advanced Forensic Photoshop" - Presented Training on the use of Photoshop for non-destructive clarification of images.

"Advanced Forensic Photoshop" - Presented Training on the use of Photoshop's layer blending modes for clarification of images.

"Imaging Forum" - Co-presented Training on the emerging standards for the collection of DCCTV evidence.

National Technical Investigators' Association Mid-States Chapter Spring Training Sessions, Indianapolis, In., April 2007

Presented Training on Digital Video Surveillance System Evidence Recovery
Los Angeles Police Department - Training Division, Basic Detective School, April 2007

Presented Training on Electronic Surveillance and Counter Surveillance
Los Angeles Police Department - Commercial Crimes Division, Burglary School, April 2007

Presented Training on Electronic Surveillance, Counter Surveillance, and Sting Operations
Los Angeles Police Department - Training Division, Vice School, April 2007

Presented Training on Electronic Surveillance and Counter Surveillance in Vice Operations
State of California - Department of Justice, Advanced Training Center

Specialized Surveillance Equipment & Techniques, June 2007

Presented Training on Electronic Surveillance and Counter Surveillance
National Technical Investigators' Association Annual Training Conference, Pittsburgh, Pa., July 2007

Presented Training on Digital Video Surveillance System Evidence Recovery - 2 day long workshops
Law Enforcement and Emergency Services Video Association Annual Training Conference, Calgary, AB, October 2007

Presented Training of the Forensic Uses of Adobe's Creative Suite 3, Photoshop CS3, and
Adobe Camera Raw 4.2

National Technical Investigators' Association Pacific Chapter Spring Training Conference, City of Commerce, Ca.,
March 2008

Presented Training of the Forensic Uses of Adobe's Photoshop CS3
Los Angeles County District Attorney's Office - Continuing Education Series, April 2008

Presented Training on the use of CCTV evidence in criminal cases.
National Technical Investigators' Association Annual Training Conference, San Jose, Ca., July 2008

Presented Training of the Forensic Uses of Adobe's Photoshop CS3
Los Angeles' Photoshop Users Group - Monthly Meet-Up, February 2009

Presented Training in the advanced uses of Adobe's Photoshop CS3 / CS4
Adobe Government Solutions for Law Enforcement and Forensic Professionals, July 2009

Co-Presenter of "Forensic Analysis Using Photoshop CS4 Extended" eSeminar
Photoshop for Law Enforcement - LA CLEAR/LA HIDTA, February 2010

Presented Training in the use of Adobe's Photoshop in a law enforcement setting.
Photoshop for Law Enforcement - LA CLEAR/LA HIDTA, April 2010

Presented Training in the use of Adobe's Photoshop in a law enforcement setting.
Photoshop for Law Enforcement - LA CLEAR/LA HIDTA, July 2010

Presented Training in the use of Adobe's Photoshop in a law enforcement setting.
Color Correction Techniques in Adobe's Photoshop - DSI-Vegas, August 2010

Presented Training in the use of Adobe's Photoshop for correcting color.
Authentication of Digital Multimedia Evidence - DSI-Vegas, August 2010

Presented a case study on the authentication of DME for criminal trial.
Forensic Photoshop - LEVA Conference, November 2010

Presented training on the use of Adobe's Photoshop for forensics.
Premiere Pro CS5.5 for Law Enforcement - DSI-Vegas, August 2011

Presented a demonstration and a workshop on using Adobe's Premiere Pro CS5.5 for forensics.
Challenges and Responsibilities in Forensic Technology Development - DSI-Vegas, August 2011

Co-presenter of session on the needs of law enforcement as regards technological development
of forensic tools.

Examining Samsung Phones - HTCIA Conference and Expo, September 2011

Co-presenter of training on the forensic examination of Samsung phones using FinalMobile software.
Intermediate Forensic Photoshop - LEVA, October 2011

Presented 2 sessions on the use of Adobe's Photoshop for forensics (intermediate level).
Photoshop for Latent Print Examiners - Louisiana State Police Crime Laboratory, April 2012

Presented two-day training on the use of Adobe's Photoshop in the Latent Print comparison workflow.
Forensic Analysis of Digital Multimedia Evidence - H-11 Digital Forensics, May 2012

Presented two-day training on the various tools used in the analysis of digital multimedia evidence (video,
audio, images).

Forensic Analysis of Digital Multimedia Evidence - Amped Software, N.A., September 2012

Presented five-day advanced training on the use of AmpedFIVE in the analysis of digital multimedia evidence
Forensic Analysis of Milestone Server, Live Feed and Saved Files - NaTIA Pacific Chapter, April 2013

Presented training on the use of AmpedFIVE in the analysis of evidence from Milestone Servers
Image Authentication - NaTIA Pacific Chapter, April 2013

Presented training on the authentication of digital images using Amped Software's Authenticate

Forensic Image and Video Analysis with Amped FIVE - LEVA Conference, September 2013
Presented 16 hours of training on the use of Amped FIVE in the analysis of image and video evidence

Advanced Forensic Multimedia Analysis - South African Police Service - Image Analysis Section, February 2014
Advanced level instruction/education on the uses of Amped FIVE, Amped Authenticate, Adobe Audition, FlexView Pro, as well the correct processing of crime scenes where dCCTV evidence is present.

Intermediate Forensic Multimedia Analysis - Tarrant County (Tx) District Attorney's Office, May 2014
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Oxnard Police Department, July 2014
Basic level instruction/education on the uses of Amped FIVE

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Salt Lake City Police Department, October 2014
Basic level instruction/education on the uses of Amped FIVE

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Memphis Police Department, April 2015
Basic level instruction/education on the uses of Amped FIVE

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Houston Police Department, July 2015
Basic level instruction/education on the uses of Amped FIVE

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Louisville Police Department, August 2015
Basic level instruction/education on the uses of Amped FIVE

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Tarrant County DA, October 2015
Basic level instruction/education on the uses of Amped FIVE

Advanced Forensic Multimedia Analysis - US Government, November 2015
Advanced level instruction/education on the uses of Amped FIVE and Amped Authenticate.

Introduction to Amped Software Products - Taser Corp., December 2015
Basic level overview of the product line and potential work flows.

Intermediate Forensic Multimedia Analysis - Los Angeles County Sheriff's Department, December 2015
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Advanced Forensic Multimedia Analysis - BekTek, LLC, January 2016
Advanced level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Michigan State Police, April 2016
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Amped Software, April 2016
Basic level instruction/education on the uses of Amped FIVE

Basic Image Authentication with Amped Authenticate - Amped Software, April 2016
Basic level instruction/education on the uses of Amped Authenticate

Intermediate Forensic Multimedia Analysis - Amped Software, May 2016
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Tarrant County DA, May 2016
Basic level instruction/education on the uses of Amped Authenticate

Intermediate Forensic Multimedia Analysis - Tarrant County DA, May 2016
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Intermediate Forensic Multimedia Analysis - San Jose PD, June 2016
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Advanced Forensic Multimedia Analysis - DHS HSI CCC, June 2016
Advanced level instruction/education on the uses of Amped FIVE and Amped Authenticate.

Intermediate Forensic Multimedia Analysis - Charlotte-Mecklenburg PD, August 2016
Intermediate level instruction/education on the uses of Amped FIVE as well the correct processing of crime scenes where dCCTV evidence is present.

Basic Forensic Multimedia Analysis with Amped FIVE Professional - Commerce City PD, August 2016
Basic level instruction on the uses of Amped FIVE for redacting body worn video.

Advanced Forensic Multimedia Analysis - US Government, September 2016
Advanced level instruction on 1d, 2d, and 3d Photogrammetry with Amped FIVE Professional

Advanced Forensic Multimedia Analysis - US Government, September 2016
Advanced level instruction on 1d, 2d, and 3d Photogrammetry with Amped FIVE Professional

Intermediate Forensic Multimedia Analysis - Federal Bureau of Investigation (FAVIAU), September 2016
Intermediate level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Amped Software, October 2016
Intermediate level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Summerville (SC) Police Department, November 2016
Intermediate level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Amped Software, October 2016
Intermediate level instruction/education on the uses of Amped FIVE.

The Redaction Work Flow for Body Worn Cameras - LEVA Conference, November 2016
Using Amped FIVE to redact footage for body worn cameras subject to FOIA requests.

Authenticating Images and Video - LEVA Conference, November 2016
Using Amped Authenticate and Amped FIVE to authenticate images and video.

Intermediate Forensic Multimedia Analysis - Amped Software, January 2017
Intermediate level instruction/education on the uses of Amped FIVE.

Basic Image Authentication with Amped Authenticate - Sonoma County Sheriff's Department (CA), February 2017
Basic level instruction/education on the uses of Amped Authenticate.

Intermediate Forensic Multimedia Analysis - Los Angeles County Sheriff's Department (CA), February 2017
Intermediate level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Amped Software, February/March 2017
Intermediate level instruction/education on the uses of Amped FIVE.

Intermediate Forensic Multimedia Analysis - Las Vegas Metropolitan Police Department, March 2017
Intermediate level instruction/education on the uses of Amped FIVE.

Introduction to Forensic Multimedia Analysis - Garland Police Department, March 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, April 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, April 2017
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, July 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, July 2017
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Louisiana State Police Department, August 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, September 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Mercer County District Attorney's Office, September 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Concord Police Department, September 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Hudson County Sheriff's Department, September 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Image Authentication - Amped Software, November 2017
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Introduction to Forensic Multimedia Analysis - Amped Software, November 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, November 2017
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Middle Tennessee State University, December 2017
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Royal Canadian Mounted Police HQ, December 2017
Introductory level instruction/education on forensic multimedia analysis (Amped FIVE / Authenticate).

Introduction to Image Authentication - Amped Software, January 2018
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Introduction to Forensic Multimedia Analysis - Dallas County Sheriff's Office, February 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, February 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, March 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, March 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Image Authentication - Amped Software, March 2018
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Introduction to Forensic Multimedia Analysis - Amped Software, March 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, April 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, April 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Orland Park Police Department, May 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Amped Software, June 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Amped Software, June 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Wilmington Police Department, June 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Wilmington Police Department, June 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Charlotte-Mecklenburg Police Department, June 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis
Charlotte-Mecklenburg Police Department, June 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Valdosta Police Department, August 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - San Joaquin County Sheriff's Department, August 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., September 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Apex Partners, Ltd., September 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Image Authentication - Apex Partners, Ltd., October 2018
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Introduction to Video Redaction - San Joaquin County Sheriff's Office, October 2018
Introductory level instruction on the uses of Amped FIVE for video redaction + Audacity for audio redaction.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., December 2018
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Apex Partners, Ltd., December 2018
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Statistics for Forensic Analysts - Apex Partners, Ltd., January 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., February 2019
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Apex Partners, Ltd., February 2019
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Statistics for Forensic Analysts - Apex Partners, Ltd., February 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., March 2019
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Image Authentication - Apex Partners, Ltd., March 2019
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Statistics for Forensic Analysts - Apex Partners, Ltd., March 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., April 2019
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Statistics for Forensic Analysts - Apex Partners, Ltd., April 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Advanced Processing Techniques for Forensic Multimedia Analysis - Apex Partners, Ltd., May 2019
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Advanced Processing Techniques for Forensic Multimedia Analysis - Apex Partners, Ltd., May 2019
Advanced level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Statistics for Forensic Analysts - Apex Partners, Ltd., May 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Statistics for Forensic Analysts - Apex Partners, Ltd., June 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Forensic Photographic Comparison, Apex Partners, Ltd., June 2019
Comprehensive photographic comparison instruction applicable for all forensic science disciplines.

Forensic Photographic Comparison, Apex Partners, Ltd., June 2019
Comprehensive photographic comparison instruction applicable for all forensic science disciplines.

Forensic Photogrammetric Analysis, Apex Partners, Ltd., June 2019
Comprehensive forensic photogrammetry instruction applicable to digital / multimedia forensic analysis.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., July 2019
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Image Authentication - Apex Partners, Ltd., July 2019
Introductory level instruction/education on the uses of Amped Authenticate for image authentication.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., August 2019
Introductory level instruction/education on forensic multimedia analysis (non-platform specific).

Statistics for Forensic Analysts - Apex Partners, Ltd., August 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., September 2019
Introductory level instruction/education on forensic multimedia analysis (non-platform specific).

Statistics for Forensic Analysts - Apex Partners, Ltd., September 2019
Comprehensive statistics instruction applicable for all forensic science disciplines.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., October 2019
Introductory level instruction/education on forensic multimedia analysis (non-platform specific).

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., December 2019
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., January 2020
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., January 2020
Introductory level instruction/education on forensic multimedia analysis (non-platform specific).

Introduction to Forensic Multimedia Authentication - Apex Partners, Ltd., February 2020
Introductory level instruction/education on forensic multimedia authentication (non-platform specific).

Introduction to Forensic Multimedia Analysis - Apex Partners, Ltd., March 2020
Introductory level instruction/education on the uses of Amped FIVE for forensic multimedia analysis.

Introduction to Forensic Multimedia Authentication - Apex Partners, Ltd., March 2020
Introductory level instruction/education on forensic multimedia authentication (non-platform specific).

Cellebrite Video Recovery and Analysis (CVRA) - Cellebrite, Inc., October 2021
An intermediate-level course designed to introduce investigators, examiners, and analysts to digital video echnology and to meet the specific needs of the digital video examiner and analyst.