Raymond Hsieh, Ph.D.

250 UNIVERSITY AVE., CALIFORNIA, PA 15419
■ 724-938-6044 ■ HSIEH@CALU.EDU■ HTTP:// HSIEHPC.COM

POSITION

Professor in Department of Criminal Justice, California University of Pennsylvania

EDUCATION

Ph.D.   *2004*
State University of New York at Buffalo (**SUNY, Buffalo**)   Buffalo, New York
▪   Major: Informatics: Information Communication Technology & Computer Mediated Communication
Dissertation: Comparison across the reference frame: Rotation of Galileo spaces with inconsistency objects. An example of comparison of user's perception and online legal policy
This dissertation examines the cognitive differences that users see between their own views of online privacy and security and the policies of e–retailers by multidimensional mathematical presentation.

Masters of Science Information Technology   *1996*
Rochester Institute of Technology (**RIT**)   Rochester, New York
▪   Major: Information Technology
Thesis Project: Forensic Digital Imaging

Bachelor of Science   *1988*
Central Police University, Taiwan   Taoyan, Taiwan
▪   Major: Forensic Science

PUBLICATION: BOOKS

Cognitive Mapping & Comparison- an Example of online legal Polices by VDM Publishing, Beau-Bassin Mauritius, Germany   *Oct., 2009*
ISBN: 978-3-639-13448-3

Intelligence and Security Informatics by Springer Berlin Heidelberg, Germany   *June, 2008*
ISBN-10: 3-540-69136-7

PUBLICATION: BOOK CHAPTER

Textbook Chapter: Digital Evidence, Introduction to Forensic Science and Criminalistics (2nd Ed.), CRC Press, USA (in press)   *Feb., 2016*

Book Chapter: Forensic Technology, Forensic Communication, Hampton Press, USA
ISBN: 978-1-61289-080-7   *June, 2012*

COMPUTING AND INFORMATION TECHNOLOGY PROGRAM EXTERNAL EXAMINER

For Department of Computing and Information Technology

University of the West Indies, Trinidad & Tobago, W.I. (http://sta.uwi.edu/)   ***Nov., 2010;***
                                                                                                                                                           2014-2017

CERTIFICATION

- **Certificate** of Finding Cloud Artifacts in Smartphone, National White Collar Crime Center (Nov, 2016)
- **Certificate** of Identifying & Seizing Electronic Evidence, National White Collar Crime Center (July, 2014)
- **Certificate of Recognition**, faculty Authors recognition Ceremony, California, PA (April, 2014)
- **Certificate** of The 7 Habits of Highly Effective People, California, PA (April, 2012)
- **Certificate** of Recognition: CAL Grant Projects , California, PA (2010-2011)
- **ACE Computer Forensics Certification (AccessData Certified Computer Forensics Examiner)** (June,2010)
- **Certificate:** Law Enforcement and Emergency Services Video Association International (LEVA: 40 Hours): Photography Comparison, Indianapolis, IN (Dec.,2009)
- **Certificate:** Forensics Law and Expert Testimony, Southpointe, PA (Sept.,2009)
- **Certificate:** Forensic Video Analysis (Ocean Systems: 32 hours): detective and ClearID Training, Burtonsville, MD (July,2009)
- **Certificate:** Law Enforcement and Emergency Services Video Association International (LEVA: 40 Hours): Intermediate Forensic Video Analysis & Law, Indianapolis, IN (May,2009)
- **Certificate**, Forensic Linguistic for Prosecutors and Detectives, Southpointe, PA, PA (April, 2009)
- **Certificate**, Illegal Gambling Machine Seminar, Pittsburgh, PA (Oct., 2008)
- **Certificate**, Video Gambling Devices, Southpointe, PA (Sept., 2008)
- **Certificate:** Law Enforcement and Emergency Services Video Association International (LEVA: 40 hours): Basic Forensic Video (Analog & Digital) Analysis & Law, Indianapolis, IN (Sept.,2008)
- **Written Test Certification**: Computer Forensic Examiner (**CCE**) & AccessData Computer Examiner (**ACE**) (2007)
- **Certificate,** Behavioral Crime Workshop, Southpointe, PA (Oct., 2007)
- **Certificate**, AssessData Advanced Windows Forensics, West Conshohocken, PA (Aug, 2006)
- **Certificate**, Regional Computer Forensic Group Annual Symposium, Fairfax, VA (July, 2006)
- **Certificate,** Dr. Henry Lee Crime Scene Investigation Workshop, Cyril H. Wecht Institute of Forensic Science, Pittsburgh, PA (July, 2006)
- **Certificate**, AssessData Intermediate Windows Forensics, Coraopolis, PA (May, 2006)
- **Certificate**, Blood Pattern Workshop, The Henry C. Lee, Institute of Forensic Science, Connecticut (1999)
- **Advanced Graduate Certificate** for Multimedia Design, Rochester Institute of Technology (1996)
- **Certificate**, the New York Institute of Forensic Audio and Video (1996)
- **Certificate**, Video and Audio Signal Processing workshop, Western Kentucky University (1996)

TEACHING AND PROFESSIONAL EXPERIENCE

Professor (D2L, Blackboard, & eCollege certified web course instructor)   ***Aug, 2013 -Present***
Director of Justice Studies
Department of Criminal Justice
California University of Pennsylvania   California, Pennsylvania

Associate Professor (D2L, Blackboard, & eCollege certified web course instructor)   ***Aug, 2009 –July, 2013***
Department of Criminal Justice
The Institute of Criminological & Forensic Sciences

California University of Pennsylvania   California, Pennsylvania

Assistant Professor (<u>Blackboard</u> & <u>eCollege</u> certified web course instructor)   ***Aug, 2005 –July, 2009***
Department of Criminal Justice
The Institute of Criminological & Forensic Sciences

California University of Pennsylvania   California, Pennsylvania
- GRA810: Cyber Criminology
- CRM/PSM: Advanced Computer Forensics
- CRM850: Geographical Crime Analysis
- FSC800: Advanced Forensic Investigation
- JUS102: American Policing
- JUS 105: Introduction of Forensics
- JUS 201: Criminal Investigation
- JUS 215: Victim and Justice System
- JUS 380: Crime Scene Imaging
- JUS405: Cyber Security
- JUS 487: Computer Forensics
- JUS 488: Cyber Crime Investigation
- Law Enforcement Computer Forensics Workshop
- Computer Forensics Workshop
- Forensic Digital Imaging Workshop

Invited Peer-Reviewed Journal Editorial Reviewer   ***September, 2007 -Present***
- Future Internet (http://www.mdpi.com/journal/futureinternet/)
- Austin Forensic Science and Criminology (http://austinpublishinggroup.com/forensicscience-criminology/)
- The International Journal of Digital Crime and Forensics (IJDCF) (http://www.igi-global.com/journals/details.asp?ID=7828&v=callForPapers)
- The Journal of Network and Computer Application (JNCA) (http://ees.elsevier.com/jnca/)
- The Journal of Communication and Computer (Print ISBN:1548-7709 http://www.davidpublishing.com/down_Computer.php)
- The Journal of Information Science (http://jis.sagepub.com/)
- The Journal of Decision Support Systems
- IEEE Journal on Selected Areas in Communications (J-SAC) Special Issue on Advances in Digital Forensics for Communications and Networking
- The Journal of Advances in Multimedia (http://www.hindawi.com/journals/am/) by Engineering Index.
- Online Journal of Africa Affairs (Criminal Justice Profession)
- International Journal of Distributed Sensor Networks" (IJDSN, http://www.hindawi.com/journals/ijdsn/)

Book Reviewer
- Criminology and Cybercriminology (Oxford University Press)   **Jan. 2016**
- The Science of Crime Scenes, 2nd Edition (2nd Edition) (Elsevier)   **Dec., 2015**
- Automated Justice: Big data and crime control (Routledge)   **Nov. 2015**
- Introduction to Forensic Science and Criminalistics (2nd Edition) (CRC)   **May, 2015**
- Terrorism and Social Media (Palgrave Macmillan)   **Jan. 2015**

- Writing for Law Enforcement and Corrections Professionals (Pearson)   **May, 2014**
- International Cybercriminology (Palgrave)   *January 2014*
- Introduction to Forensic Science (Cengage Learning)   *September 2013*
- Police Photography 7/e (Anderson Publishing: Elsevier)   *May 2012*
- Crime Scene Handbook (Elsevier)   *May 2010*
- Computer Forensics: Cybercriminals, Laws and Evidence (Jones & Bartlett Publishers)   *February 2010*
- The Internet Book, 2/e by Douglas Comer (Prentice Hall)   *May, 2006*

International Conference Workshop Chair
- Keynote speech in BIT's 3rd Annual International Congress of Forensics   **China, October, 2016**
- The 3rd International Symposium on the Emerging Trends in Strategic Talent Development by Taiwan Executive Yuan,   **Taiwan, August, 2015**
- 2nd Annual World Congress of Forensics 2011, Co-Chair of "Forum 5: e-Forensics and High Tech Crime Investigation" and "Digital Tools and Evidence in Criminal Investigations-Internet Crime Investigation Methods and Strategies" (http://www.bitlifesciences.com/wcf2011/default.asp)   *China*, *Oct., 2011*
- 2011 IEEE international annual Conference on Intelligence and Security Informatics   *China*, *July, 2011*
  (http://www.ieeeisi.org/)
- 2009 IEEE international annual Conference on Intelligence and Security Informatics   *USA*, *June, 2009*
  (http://www.isiconference.org/2009/)
- 2008 IEEE international annual Conference on Intelligence and Security Informatics *Taiwan, June, 2008*
  (http://www.cs.ucf.edu/PACCF2008/)

Book Editor
- Intelligence Security Informatics 2008 by Springer Berlin Heidelberg, Germany   *June, 2008*

PASSHE (Pennsylvania State System of Higher Education) PSM Committee
- *PSM (Professional Science Mater's) Committee*   Harrisburg, PA*, March, 2011*
  (http://www.passhe.edu/inside/asa/Opportunities/PSM/Pages/PSM-Home.aspx)

- *California University Master of Science (M.S.) Forensic Science Program Committee*
                                                                      California, PA*, March, 2011*

Planning Committee
- **A National Symposium on the Collection, Analysis and Legal Applications of Digital Evidence**
  (TheCyril H. Wecht Institute Of Forensic Science and Law)
  (http://www.duq.edu/email/forensics/digital/)   Pittsburgh, PA*, October, 2009*

Grand Awards Judge for Intel International Science and Engineering Fair
- **IntelISEF** (for category of Computer Science/Computational Science, Computer Graphics)
  (http://www.societyforscience.org/intelisef2012)   Pittsburgh, PA*, May, 2012*

Technical Program Committee
- *RVSP'15: International Conference of Robot, Vision and Signal Processing* Kaohsiung, Taiwan *Nov. 2015*
- **IIH-MSP12** (International Conference on Intelligent Information Hiding and Multimedia Signal Processing) (http://bit.kuas.edu.tw/~iihmsp12/)   Piraeus-Athens, Greece*, July 2012*

- **IIH-MSP11** (International Conference on Intelligent Information Hiding and Multimedia Signal Processing) (http://bit.kuas.edu.tw/~iihmsp11/)   Dalian, China*, July 2011*

- **F2GC-2011** (the Fifth International Workshop on Forensics for Future Generation Communication environments) (http://www.ftrai.org/f2gc2011)   Crete, Greece*, June, 2011*
- **ICGEC2010** (International Conference on Genetic and Evolutionary Computing 2010) (http://iiirc.hitsz.edu.cn/ICGEC2010/)   Shenzhen, China, *December, 2010*
- **e-Forensics 2010** (International Conference on Forensic Applications and Techniques in Telecommunications, Information) (www.e-forensics.eu)   Shanghai, China, *November, 2010*
- **IIH-MSP10** (International Conference on Intelligent Information Hiding and Multimedia Signal Processing) (http://bit.kuas.edu.tw/~iihmsp10/)   Darmstadt, Germany*, October, 2010*
- **F2GC-2010** (the Fourth International Workshop on Forensics for Future Generation Communication environments) (http://www.ftrai.org/f2gc2010)   Cebu, Philippines*, August, 2010*
- *PAISI 2010 (Pacific Asia Workshop on Intelligence and Security Informatics)* (*http://www.business.hku.hk/paisi/)*   Hyderabad, India*, June, 2010*
- **F2GC-09** (The 3rd International Workshop on Forensics for Future Generation Communication environment) (http://www.ftrg.org/f2gc2009/)   Jeju, Korea*, December, 2009*
- **IIH-MSP09** (International Conference on Intelligent Information Hiding and Multimedia Signal Processing) (http://bit.kuas.edu.tw/~iihmsp09/)   Kyoto, Japan*, September, 2009*
- **eForensics09** (International Conference on Forensic Applications and Techniques in Telecommunications, Information) (http://www.e-forensics.eu/)   Australia, *January, 2009*
- *PAISI 2009 (Pacific Asia Workshop on Intelligence and Security Informatics)*   Thailand*, April, 2009*
- *2008 International Conference on Intelligent Information Hiding and Multimedia Signal Processing*   *August, 2008*
- *F2GC08 (International Workshop on Forensics for Future Generation Communication environments)* *(*http://www.sersc.org/F2GC2007/ *)*   China*, June, 2008*

CAL U Forensic Event Coordinator
- Dr. Henry Lee with CAL U   *April 20, 2015*
- The Taiwanese Police Delegation Forensic Training   *August, 2010*
- Dr. Henry Lee with CAL U   *April 3rd, 2008*

Invited Conference Presenter & Lecturer
- Bluefield State College, Social Media & Smartphone Encryption, Online Instruction   **Nov. 2016**
- BIT's 3rd Annual International Congress of Forensics & Police Tech Expo Topic: The Rise of Smartphones: The Challenge of Criminal Justice in Digital Security- the Challenges from Cellphone Encryption & Steganography: A Case Study from FBI vs Apple Encryption Dispute, Dalian, China,   **October, 2016**
- The 3rd International Symposium on the Emerging Trends in Strategic Talent Development by Taiwan Executive Yuan, Topic: Social Media, it's trend and Cyber Strategy   **August, 2015**
- 2nd Annual International Conference on Forensic Science-Criminalistics Research (FSCR 2014) *Nov.2014* Topic: Concern with Identity Theft and Building Trust in E-Commerce, Singapore
- 5th World Gene Convention-2014: Forensic-DNA, Haikou, China   *November, 2014*
- Correction Symposium, SCI Fayette, Topic: Computer Forensics   *September, 2014*
- Inaugural REACH Conference: Understanding and Responding to Violence and Trauma: A Community Health Initiative, Indiana University of Pennsylvania, Indiana, PA   *May, 2014*
- The Sixth Annual Conference on Corporate and Homeland Security   *October, 2012*

Topic: Cyber Crisis, Disaster & Cyber Security, California, PA

- BIT's 2nd Annual World Congress of Forensics 2011   **October, 2011**
  Topic: Sex Crime and Its E-Forensic Discovery: Sexual Predators and the Forensic Evidence They Leave Behind, Dalian, China

- First Annual World Congress of Forensics 2010, Dalian, China   **October, 2010**
  Topic: Forensic Digital Imaging, its recovery and analysis

- International Trainee (Taiwanese Police Delegation) Workshop   **August, 2010**
  Topic: Forensic Digital Video analysis

- 2009 IEEE international annual Conference on Intelligence and Security Informatics   *June, 2009*
  Topic: Identifying Google Talk Packets

- Computer Forensics Training Workshop (through Forensics and Criminological Institute of California University of PA) for Law Enforcements   *April, 2009*

- 2008 International Conference on Intelligent Information Hiding and Multimedia Signal Processing
                                                                                      August, 2008
  Topic: Challenges of Location Tracking Techniques in Wireless Forensics

- 2008 IEEE international annual Conference on Intelligence and Security Informatics   *June, 2008*
  Topic: Wireless Forensic: A New Radio Frequency based Locating System

- Special Seminar for Taiwan Criminal Investigation Bureau   *June, 2008*
  Topic: Digital Evidence and Computer Forensics

- Special Seminar for Taiwan Kaohsiung Metropolitan Police Department   *June, 2008*
  Topic: Digital Evidence and Computer Forensics

- The 57th Annual Conference of the Pennsylvania Sociological Society   *October, 2007*
  Topic: Concern with identify Theft and Building Trust in E-Commerce

- First Annual Conference on Corporate and Homeland Security   *September, 2007*
  Topic: Computer Forensics

Adjunct Instructor / Teaching Assistant   *January 2002-May, 2005*
School of Informatics, Department of Communication
State University of New York at Buffalo   Buffalo, New York

- COM125: Introduction to the Internet
  Duties included exclusive responsibility for teaching the class, participating on a team working on the Internet project in the Informatics Research Center, maintaining website of the Department of Communication, and assisting faculty in developing and implementing online surveys and the website.

- COM225: Research Methods (teaching assistant)
  Duties included assisting student research teams in the execution of a group research project and guidance in analyzing data.

Interpreter   *January 2002-2005*
Citizenship and Immigration Canada – Peace Bridge and Rainbow Bridge Niagara Falls and Fort Erie, Ontario

- Interpret between English and Chinese for the cases violating US or Canadian immigration law and criminal law. Most of these cases involve human smuggling.

Forensic Expert / Police Officer (attained rank of Lieutenant Colonel)   *July 1988-September 2001*
Criminal Investigation Bureau   Taipei, Taiwan

Police have a centralized organization in Taiwan, and the Criminal Investigation Bureau basically constitutes the national detective division. Accomplishments:

- Successfully adapted forensic photography into digital imaging domain
- Developed digital techniques for enhancement and restoration of fingerprints, as well as video images from surveillance and ATM cameras
- Expanded the use of digital techniques in the Criminal Investigation Bureau. Assigned and supervised work crews to hundreds of nationwide criminal cases in forensic identification in photos or video images. Roughly ten percent of the cases handled by me involved computer crime. In general, my cases involved crime scene investigations, detailed identification reports, and resulting in criminal prosecutions and convictions. My subordinates and I solved hundreds of cases involving kidnapping, robbery, homicide, and hit-and-run through the enhancement of surveillance video tapes
- Provided forensic digital imaging services to national police forces, courts and ministries
- Trained many police officers nationwide to update their knowledge of forensic photography and digital imaging, including such topics as the installation of surveillance cameras to meet requirements in law enforcement

Faculty   *July 1988-September 2001*
Central Police University   Taoyan, Taiwan
Taiwan Provincial Police College   Taipei, Taiwan

TEACHING QUALITY

- **2015:** Students would recommend the instructor to other students- 4.8 point Strongly Agree (5 point scale) Comments: "I emailed him and within five minutes I had a response! That is really unheard of for a professor, it gives a sense to students that we matter!."; "Dr. Hsieh was a very respectful professor."; "The group work combined with hands on application really worked well for this course. Dr. Hsieh would do an excellent job teaching us in the classroom, then we had the opportunity to take what we just learned and apply it to a hands on exercise."
- **2013-2014:** Students would recommend the instructor to other students- 4.8 point Strongly Agree (5 point scale) Comments: "It is evident that Dr. Hsieh cares about the class and the students; this course was very well planned and thought-out."; "Dr. Hsieh is enthusiastic and brilliant and any student at CalU should take one of his courses"; "Dr. Hsieh is a delight to have as a professor and advisor. He makes things interesting and fun to learn without detracting from the importance of the content. I would recommend him to anybody who was thinking about taking a class with him in a heartbeat."" Dr. Hsieh is a wonderful teacher. You know you can always go to him if you are having a problem and he will try to understand and help you as much as he can. He really cares about his students and wants to see us all do well when we leave here."
- **2012:** To be **nominated as a teaching award** of the **FPDC** (Faculty Professional Development Center)
- **2011-2012**: Students would recommend the instructor to other students- 95% Strongly Agree 5% Agree Comments: "Dr. Hsieh was really knowledgeable about this subject matter and he was always eager to teach. He taught me – a psych major with no computer background- how to do cool stuff with computers. The thoroughly explained every concept with videos& notes. Best Professor ever!"; "Dr. Hsieh is a very motivated & Interesting professor and makes me want to learn"
- **2011**: To be **nominated as a teaching award** of the **FPDC** (Faculty Professional Development Center)
- **2010-2011**: Students would recommend the instructor to other students- 100% Strongly Agree Comments: "Dr. Hsieh is always well prepared and well spoken. The information is interesting and presented in an energetic manner. Dr. Hsieh makes the class fun while still getting every done; "Dr. Hsieh is an excellent teacher. Very approaching"; "He (Dr. Hsieh) was one of the best teachers I've had"; "Dr. Hsieh is the best part of this course! He is a great teacher who really cares about his

students. I learned a lot. Well done, Dr. Hsieh "; 'Dr. Hsieh taught it well, his examples & scenarios rocked!!"

- **2010**: To be **nominated as a teaching award** of the **FPDC** (Faculty Professional Development Center) **and Presidential Gala Faculty Award** in Teaching, California University of Pennsylvania.

- **2009-2010**: Students would recommend the instructor to other students- 100% Strongly Agree Comments: "Absolutely love Dr. Hsieh as a professor. Very personable and willing to help whenever you need it"; "I love Dr. Hsieh his class are the best!!! I took all of his classes because they are so much fun"; "Dr. Hsieh is one of the nicest professors at CAL. He is very helpful when you need him to be. He is also a professor who truly cares about the direction that his students are taking"; "The professor, Dr. Hsieh is the most amazing professor that I have ever had. He is very respectful of his students and is very eager to help them succeed "

- **2008-2009**: Students would recommend the instructor to other students- 98% Strongly Agree & 2% Agree   Comments: "Dr. Hsieh is a great professor who is very knowledge. I have had him before and always enjoy his classes. He makes sure everyone understands things and is always willing to help"; "Dr. Hsieh is an amazing teacher. He pushes his students to do well"; "Dr. Hsieh was very helpful and I felt like I learned a lot from him. It was a fun yet serious atmosphere"; "The course was very informative and Dr. Hsieh presented the information in a very interesting manner "

- **2007-2008**: Students would recommend the instructor to other students- 99% Strongly Agree & 1% Agree   Comments: "Dr. Hsieh really makes thing interesting. Even though the material was boring, he made class fun"; "the material was presented in an interesting manner. Dr. Hsieh is one of the best professors on campus"; "Dr. Hsieh is the excellent professor. He makes class interesting and fun to go to. I always try and have him as a professor each semester" & "Dr. Hsieh is always willing to help, answer questions, or anything else you need him for"; "Dr. Hsieh presents all of his lectures in such an effective and efficient manner. One only does he break every unit down in specific parts, moving the content easy to read but also interesting." at the California University of Pennsylvania

- **2007**: To be **nominated as a teaching award** of the **President Gala** of California University of Pennsylvania.

- **2006-2007**: Students would recommend the instructor to other students- 92.86% Strongly Agree & 7.14% Agree   Comments: "Dr. Hsieh is a great professor. He treats everyone with respect and truly cares about all of his students. If I could I would chose Dr. Hsieh for every class I ever took. He explains the subject matter very well, and is extremely fair to all of his students." at the California University of Pennsylvania

- **2005-2006**: Students would recommend the instructor to other students- 90.91% Strongly Agree & 9.09% Agree   Comments: "The Course gets the whole class involved. Dr. Hsieh is a good teacher", "Dr. Hsieh is one of the best teacher I have ever had at CAL U. He is always here to help you. He makes class interesting and fun." at the California University of Pennsylvania

- **Jan. 2002-May, 2005**: Rated as an excellent instructor by 120 students at the University at Buffalo (Mean 3.7). Comments: "Raymond was excellent in teaching the material we covered.", "Very good. He took his time and made sure he answered questions to the best of his ability.", "He took time to teach each lesson effectively, therefore helping me to better understand the lesson."

- **July, 1988- Sept. 2001**: Rated as an outstanding instructor by 150 students at the Taiwan Central Police University

- **July, 1988- Sept. 2001**: Rated as an outstanding instructor by 400 students at the Taiwan Provincial Police College

SERVICES

- **Chair** on Criminal Justice Faculty Promotion Committee (Spring, 2016)

- CAL U Information Security Board (Feb. 2015)
- Criminal Justice Generalist Search Committee (spring, 2015)
- **Director of Justice Studies** (fall, 2013- Present)
- Outcome Assessment Coordinator for Criminal Justice (2013-2014)
- **Sociology** Faculty Search Committee (Spring, 2014)
- **Chair** on Criminal Justice Faculty Search Committee (fall, 2012)
- Clubs of Criminal Justice and Forensic Science field trip to Allegany County Crime Laboratory (fall, 2012)
- Judge of Student Poster Event at CAL (Spring, 2012)
- **Chair** of CJ Department Non-Tenured Faculty Review and Evaluation Committee (fall, 2011)
- **Chair** of CJ Department Tenure Committee (fall, 2011)
- Committee for **PSM** Degree in **Forensic Science** in conjunction with other PASSHE schools (Spring,2011)
- **Two Student Club Advisor** for the *Forensic Science Club* and *Criminal Justice Club* (fall 2008 to present)
- **Student Advisor** for Criminal Justice Majors (fall 2005 to present)
- **CJ Department faculty liaison for Internship Center** (fall 2010 to present)
- **Coordinator** of Taiwanese Police Forensic Training (Summer, 2010)
- CJ Department Representatives for Library Material for Criminal Justice Field (fall, 2008 to present)
- Host an Internship forum with Internship Office (fall. 2010)
- Clubs of Criminal Justice and Forensic Science field trip to FBI Pittsburgh Office (fall, 2010)
- Clubs of Criminal Justice and Forensic Science Event: FBI talk (fall, 2010)
- Criminal Justice Generalist & Law Faculty Search Committee (fall, 2010)
- CJ Department Curriculum Committee (fall, 2010)
- Member of CAL Mobile Computing Network evaluation Team (spring 2010)
- Criminal Justice Generalist & Law Faculty Search Committee (spring, 2010)
- Criminal Justice Generalist Search Committee (spring, 2010)
- CJ Department Faculty Promotion Committee (spring, 2010)
- CJ Department Curriculum Committee (spring, 2010)
- CJ Department Faculty Promotion Committee (fall, 2009)
- CJ Department Curriculum Committee (fall, 2009)
- CJ Department 5 Years Plan Committee (fall, 2009)
- Club of Forensic Science Event: FBI talk (fall, 2009)
- Selection Committee for the Director of Information Technology (fall, 2009)
- Instructor of Computer Forensics Training Workshop (through Forensics and Criminological Institute of California University of PA) for Law Enforcements (April, 2009)
- CJ Outcome Assessment Annual Report Facilitator (spring, 2009)
- Selection Committee for the Supervisor of CAL Public Safety (spring, 2009)
- **Chair** on Criminal Justice Generalist & Law Faculty Search Committee (fall, 2008)
- CAL U Summer College Participant (fall, 2008)
- FPDC Service and Service Learning Sub-committee (2005- 2009)
- FPDC Technology Sub-committee (2005- 2009)
- **Chair** of Non-Tenured Faculty Review and Evaluation Committee (fall, 2007)
- Criminal Justice Generalist Faculty Search Committee (fall, 2007)
- Mammalogist Search Committee Search Committee (fall, 2007)
- Animal Physiologist Search Committee Search Committee (fall, 2007)
- CJ Department Faculty Promotion Committee (spring, 2007)
- CJ Department Tenure Committee (spring, 2007)
- Forensic Anthropologist Search Committee (spring, 2007)

- Criminal Justice Generalist Search Committee (spring, 2007)
- Information Literacy Librarian Search Committee (spring, 2007)
- Art Historian Search Committee (spring, 2007)
- Art Educator Search Committee (spring, 2007)
- Committee of Faculty Review and Evaluation (2005- spring, 2007).
- Outcome Assessment Committee (2005- spring, 2007)
- Instructor for the Sexual Harassment and Assault Orientation Training for incoming freshman (2005-2008)
- Coordinator on Forensics Event of Science Olympiad (2007, 2008)
- Recruiter on six school districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering/Science/Aviation/Trade Career Fair (2007)
- Recruiter on six school districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering/Science/Aviation/Trade Career Fair (2006, 2008)
- Coordinator in CAL U Undergraduate Information Session at South Point.(Dec. 2005)

EXTENSIVE SPECIALIZED TRAINING

- Identifying & Seizing Electronic Evidence, National White Collar Crime Center (July, 2014)
- Outcome Assessment Training, California, PA (April, 2014)
- The 7 Habits of Highly Effective People Training, California, PA (April, 2012)
- Smart Classroom Train-the-Trainer Workshop, California, PA (Oct., 2011)
- The Prep of ACE Computer Forensics Certification, Huston, TX (June, 2010)
- The 3rd Homeland Security Conference, California, PA (October, 2009)
- Forensics Law and Expert Testimony, Southpointe, PA (Sept.,2009)
- Workshop on Tenure, FPDC (Faculty Professional Development Center), California, PA (Sept.,2009)
- Forensic Video Analysis (Ocean Systems: 32 hours): Detective and ClearID Training, Burtonsville, MD (July,2009)
- Law Enforcement and Emergency Services Video Association International (LEVA: 40 hours): Intermediate Forensic Video Analysis & Law, Indianapolis, IN (May,2009)
- Forensic Linguistic for Prosecutors and Detectives, Southpointe, PA, PA (April, 2009)
- Illegal Gambling Machine Seminar, Pittsburgh, PA (Oct., 2008)
- The 2nd Homeland Security Conference, California, PA (Oct., 2008)
- Video Gambling Devices Workshop, Southpointe, PA (Sept., 2008)
- Law Enforcement and Emergency Services Video Association International (LEVA: 40 hours): Basic Forensic Video (Analog & Digital) Analysis & Law, Indianapolis, IN (Sept.,2008)
- FPDC Pointers on writing a successful FPDC grant application (Oct. 2007)
- The Behavioral Crime Workshop (Oct. 2007)
- The Art and Science of Grant Writing Workshop (July, 2007)
- Computer Forensics Examiners (CCE) Boot Camp (May, 2007)
- FPDC workshop: Smart Room Technology Training (March, 2007)
- Certified by Blackboard Learning System - Certificate Series (Jan., 2007)
- Workshop on Using Blackboard Horizon Wimba: Live Classroom, FPDC (Faculty Professional Development Center), Cal U (Sep., 2006)
- Certified by E-College program for the development of web based courses (Dec., 2005)

- Workshop on The Learning Curve for Web-Based Teaching, FPDC (Faculty Professional Development Center), Cal U (Nov., 2005)
- Workshop on Advising for First Time Advisors, FPDC (Faculty Professional Development Center), Cal U (Oct, 2005)
- Workshop on eCompanion, FPDC (Faculty Professional Development Center), Cal U (Oct, 2005)
- Workshop on On-Line Learning Assessment- Part 1, FPDC (Faculty Professional Development Center), Cal U (Oct, 2005)
- Workshop on Putting Your Graduate Program On-Line, FPDC (Faculty Professional Development Center), Cal U (Oct, 2005)
- Workshop on PowerPoint and the Socratic Methods of Instruction, FPDC (Faculty Professional Development Center), Cal U (Sep, 2005)
- Workshop on Creating a New Course Proposal and/or Seeking Approval for General Education Menu Status, FPDC (Faculty Professional Development Center), Cal U (Sep, 2005)
- Workshop on Advanced Statistics and Methods, 3rd Summer Institute, University at Buffalo (2004)
- Conference for teaching assistants, University at Buffalo (2003)
- Conference for teaching assistants, University at Buffalo (2002)
- Internship (approximately three months), Forensic Laboratory, The State of Connecticut (1993)
- Internship (approximately a week), Forensic Laboratory, FBI, Washington, DC (1993)

GRANTS & SCHOLARSHIPS

- Professional Development Travel Award, California University of Pennsylvania (Oct., 2016).
- Professional Development Travel Award, California University of Pennsylvania (August, 2015).
- Irene O'Brien Grant & Professional Development Travel Award, California University of Pennsylvania (Oct., 2010).
- Professional Development Travel Award, California University of Pennsylvania (Nov., 2009).
- Faculty Professional Development Small Grant, California University of Pennsylvania (May, 2009).
- Faculty Professional Development Travel Award, California University of Pennsylvania (Sept., 2008).
- University at Buffalo, NYS/GSEU Professional Development Award (2003)
- Taiwan Governmental Fellowship (1996)

CONFERENCE PRESENTATIONS & PUBLICATIONS

- Hsieh, R. (2016, Oct.). The Rise of Smartphones: The Challenge of Criminal Justice in Digital Security- the Challenges from Cellphone Encryption & Steganography: A Case Study from FBI vs Apple Encryption Dispute. Presented at 3rd Annual International Congress of Forensics & Police Tech Expo, Dalian, China
- *Hsieh, R. (in press). Digital forensics. In H. C. Lee (Ed.), Introduction to forensic science and criminalistics (2nd ed.). Boca Raton, Florida: CRC Press.*
- *Hsieh, R. (2014). Concern with identity theft and building trust in e-commerce. Paper Presented at the 2014 International Conference of FSCR (Forensic Science- Criminalistics Research) in Canning Walk, Singapore, Proceeding of GSTF (Global Science and Technology Forum), DOI: 10.5176/2382-5642_FSCR14.22.*
- Hsieh, R. (2012, Oct.). *Cyber Crisis, Disaster & Cyber Security.* Presented in the Sixth Annual Conference on Corporate and Homeland Security, California, Pennsylvania.
- Hsieh, R. (2012). Forensic Technology: Computer and Digital Media as Sources of Evidence. In M. Motley (Ed.), Forensic Communication: Application of Communication Research to Court Litigation (pp.247-265). Hampton Press.

- Hsieh, R. (2011, Oct.). Digital Tools and Evidence in Criminal Investigations-Internet Crime Investigation Methods and Strategies. Presented at BIT's 2nd Annual World Congress of Forensics 2011, Chongqing, China

- Hsieh, R. (2010, Oct.). Forensic Digital Imaging Evidence, its Recovery and Analysis. Presented at BIT's 1st Annual World Congress of Forensics 2010, Dalian, China.

- Hsieh, R. (2009). Cognitive Mapping & Comparison- an Example of online legal Polices. Mauritius, Germany: VDM Publishing

- Hsieh, R., Velasco, E, Chen, W, & Ji, P. (2009). Identifying Google Talk packets. Paper Presented at the 2009 IEEE Intelligence and Security Informatics international conference in Dallas, TX, Proceedings of IEEE, 285-290, doi: 10.1109/ISI.2009.5137327.

- Hsieh, R. et al. (Eds.).(2008). *Intelligence and Security Informatics*. Berlin, Germany: Springer.

- Hsieh, R. , Ho, J., E, Chen, W, & Ji, P. (2009, August). Challenges of Location Tracking Techniques in Wireless Forensics. Paper Presented at the 2008 IEEE Intelligent Information Hiding and Multimedia Signal Processing Conference in Harbin, China, Proceedings of IEEE, 3-5, doi: 10.1109/IIH-MSP.2008.187.

- Hsieh, R. , Velasco, E, Chen, W, & Ji, P. (2008, June.). *Wireless Forensic: A New Radio Frequency based Locating System*. Paper Presented at 2008 IEEE international annual Conference on Intelligence and Security Informatics, Taipei, Taiwan.

- Hsieh, R. & Schweiker, W. (2007). *Concern with identify Theft and Building Trust in E-Commerce.* Presented in The 57th Annual Conference of the Pennsylvania Sociological Society, California, Pennsylvania.

- Hsieh, R. (2007). *Computer Forensics.* Presented in First Annual Conference on Corporate and Homeland Security, California, Pennsylvania.

- Hsieh, R., Woelfel, J., Hwang, J., Hao, C., Cheong, P. H., Woelfel, J.K. & Rosen, D. (2006, June.). *Methodological Advancements for the Analysis and Representation of Communication Networks.* Paper Presented at 56th Annual Conference of the International Communication Association, Dresden, Germany

- Hsieh, R., Woelfel, J., Hwang, J., Hao, C., Cheong, P. H., Woelfel, J.K. & Rosen, D. (2005, Feb.). *WölfpakTM: A Neural Network for Multilingual Text Analysis.* Paper Presented at the 25th annual meetings of the International Society for Network Analysis, Los Angeles, CA.

- Hsieh, R., & Tutzauer, C. (2004, May). *Online Privacy and Security : Distinguishing Between Trust and Distrust in Organizational Contexts.* Paper presented at 54th Annual Conference of the International Communication Association. New Orleans, Louisiana.

- Hsieh, R., Tutzauer, C. & Tutzauer, F. (2004, May). *Online Privacy and Security : The Discrepancy Between Online Policies and Consumer Perceptions.* Paper presented at 54th Annual Conference of the International Communication Association. New Orleans, Louisiana.

- Hsieh, R. (2004, January). *Reading the Fine print: Is the Public Taking Online Privacy and Security for Granted*. 25th Annual World Congress on the Management of eBusiness, Hamilton, ON, Canada.

- Hsieh, R. (2003, December). *How Secure Is Your E-Survey? An Issue of Public Perceptions.* Paper presented at 2003 National Communication Association Convention. Miami, Florida.

- Hsieh, R. & Tutzauer, C. (2003, May). The *Influence of Privacy and Security on Respondents' Trust and Participation in E-surveys.* Paper presented at 53rd Annual Conference of the International Communication Association. San Diego, California.

- Hsieh, R. (2003, January). *Do Online Users' Perceived Privacy and Security Influence Trust in E-survey Participation?* Paper presented at the meeting of the 24th Annual McMaster World Congress, Hamilton, ON.

- Hsieh, R. (2002, December). *Privacy, Security and Trust*. Paper presented at TKU 2002 International Communication Convention, Taipei, Taiwan.
- Hsieh, R. (2000, April, May). *Part 1: -Introduction of Image Restoration & Part 2: Looking into the digital Imaging Technology applied on CCTV surveillance*, Automation & Security Magazine, Vol. 36
- Hsieh, R. (2000, April). *How to choose a digital camera which is suitable for you*. Police Torch , Vol. 525
- Hsieh, R. (2000, March). *The image restoration in forensic science* , Taiwan Journal of Forensic Science, Vol. 49
- Hsieh, R. (1999, December). *From Surveillance tape to focus the application of digital image processing,* Police Torch , Vol. 525
- Hsieh, R. (1998, September). *The Kernel of Digital Cameras -CCD Charged Couple Device*, Taiwan Journal of Forensic Science, Vol. 46
- Hsieh, R. (1998, September). *The technology of digital darkroom made a strong impact to police force,* Police Torch , Vol. 506
- Hsieh, R. (1998, July). *The Analysis of Blood Pattern,* Police Torch , Vol. 504
- Hsieh, R. (1998, May). *From arson case to discuss surveillance video tape image enhancement,* Police Torch , Vol. 502
- Hsieh, R. (1997, November). *The unprecedented challenge to social order of smuggling and selling fire arms via Internet,* Police Torch, Vol. 496
- Hsieh, R. (1997, September). *The introduction of Taiwan Provincial Criminal Investigation Corps 's web site,* Police Torch, Vol. 494
- Hsieh, R. (1997, August). *Digital Image Processing and Internet Web Site Design*, Taiwan Provincial Police Administration of Taiwan Provincial Government
- Hsieh, R. (1996, December). *The Application of Digital Image Processing in law enforcement—The Internship in NOVA conference in Orillia Ont. Canada,* Police Torch, Vol. 485
- Hsieh, R. (1996, September). *The Application of Digital Image Processing in law enforcement—The Internship in FBI Forensic Lab,* Police Torch, Vol. 482
- Hsieh, R. (1996, July). *What does the Internet can do for the police,* Police Torch, Vol. 480
- Hsieh, R. (1996, May). *The Application of Digital Image Processing in law enforcement—The Internship in The New York Institute of Forensic Audio and Video,* Police Torch, Vol. 478
- Hsieh, R. (1996, March). *The Application of Digital Image Processing in law enforcement—The Internship in National Chicago Forensic Lab,* Police Torch, Vol. 476
- Hsieh, R. (1994, October). *The Application of Kodak Photo CD*, Taiwan Journal of Forensic Science, Vol. 39
- Hsieh, R. (1994, September). *The Application of Digital Cameras*, Taiwan Journal of Forensic Science, Vol. 38
- Hsieh, R. (1990, March). *Mug Shot computerized database system*, Taiwan Journal of Forensic Science, Vol. 29

OTHER PROFESSIONAL PRESENTATIONS

- Invited Judge for Region 8, Pennsylvania Junior Academy of Science (Feb., 2016)
- CAL U Science Olympiad: Forensic Event (March, 2016)
- Invited Presenter of McMurray Elementary School, Peters Township, PA: Spinning the Globe (May, 2016)
- Invited Judge for Region 8, Pennsylvania Junior Academy of Science (Feb., 2014)
- Invited Presenter of McMurray Elementary School, Peters Township, PA: Spinning the Globe (May, 2013)

- Invited Grand Awards Judge for Intel International Science and Engineering Fair (**IntelISEF**) (for category of Computer Science/Computational Science, Computer Graphics) (http://www.societyforscience.org/intelisef2012) - Pittsburgh, PA (May, 2012)
- Invited Presenter of McMurray Elementary School, Peters Township, PA: Span the Globe (May, 2012)
- Invited Presenter for New Comer to Pittsburgh hosted by Tzu Chi Non-Profit Foundation- Pittsburgh Chapter (Sept.,2011)
- Invited Presenter of McMurray Elementary School, Peters Township, PA: Span the Globe (http://peters.patch.com/articles/viewfinder-mcmurray-elementary-students-span-the-globe#photo-6067292) (May, 2011)
- Forensic Digital Imaging Workshop for International Trainee (August, 2010)
- Pittsburgh Six School Districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering /Science /Aviation/Trade Career Fair (November, 2009)
- CAL U Academic Excellent Days: "*Do You Have What it Takes To Be A Part Of A CSI Team*" Presentation (April, 2009)
- CAL U Science Olympiad: Forensic Event (March, 2009)
- Pittsburgh Six School Districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering /Science /Aviation/Trade Career Fair (November, 2008)
- Keynote Speaker on the topic of "*Computer Forensics & Forensic Video Identification*" in Taiwan Criminal Investigation Bureau (CIB)(www.cib.gov.tw), (Taiwan CIB is a counterpart of the FBI in the US) and Kaohsiung Metropolitan Police Department (http://www.kmph.gov.tw/english/Default.aspx) (June, 2008)
- Second Annual Conference on Corporate and Homeland Security, California, PA (Sept., 2008)
- CAL Academic Excellent Days: "*CAL U CSI*" Presentation (April, 2008)
- CAL Science Olympiad: Forensic Event (March, 2008)
- Pittsburgh Six School Districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering /Science /Aviation/Trade Career Fair (November, 2007)
- CAL Academic Excellent Days: "Crime Scene Investigation and Forensics" Presentation (April, 2007)
- CAL Science Olympiad: Forensic Event (March, 2007)
- Pittsburgh Six School Districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering /Science /Aviation/Trade Career Fair (November, 2006)
- Keynote speaker on the topic of "Digital Image Processing in Surveillance Video Field," International Security 2000 Conference in Taiwan (2000)
- Judge of International Sec 2000 exhibition for surveillance and security products (2000)

PROJECTS

- ISP (Internet Safety Program) for Children (target to local high school and middle school students for their online safety awareness) (2012-Present)
- ASIS International (Pittsburgh Chapter) Web Development Project (2012-2013)
- Cyber Safety Program Certification (2011-Present)
- HTCIA (International High Technology Crime Investigation Association) Internet Safety For Children (ISFC) (2011-Present)
- Crime Scene Photography & Digital Watermark (2007-2008)

- Forensics Digital Imaging Authentication & Metadata (2006-2007)
- Communication network analysis with University of New Hampshire. (2003-2004)
- Informatics Research Center web development with SUNY, Buffalo (2003)
- Cognitive mapping development with SUNY, Buffalo (2003)

COMMUNITY SERVICE

- Invited to demonstrate Chinese Calligraphy in Peters Township Library, PA (Feb. 2015)
- **Selected Youth Commission Member in Peters township, Washington County, PA** (http://www.peterstownship.com/index.asp?Type=B_BASIC&SEC={117F5E36-CEEE-497A-A4D8-38AAF68A7A55}) (March, 2013 for a 3-year term- present)
- Invited Judge for Region 8, Pennsylvania Junior Academy of Science (Feb., 2014)
- **ASIS International Web Development (Pittsburgh Chapter) Project** (April, 2012- 2013)
- **Forensics Pro Bono Service to South Connellsville police department in Fayette county & Everson police department in Westmoreland county** (Fall 2012 to present)
- Invited Grand Awards Judge for Intel International Science and Engineering Fair (**IntelISEF**) (for category of Computer Science/Computational Science, Computer Graphics) (http://www.societyforscience.org/intelisef2012)   - Pittsburgh, PA (May, 2012)
- **Forensics Service** (**Bomb Threat** & **Surveillance Video Cases**) to **California University of Pennsylvania Police Department** (April-May, 2012)
- Invited Presenter of McMurray Elementary School, Peters Township, PA: Span the Globe (May, 2012- Present)
- **Forensics Pro Bono Service to Washington County District Attorney Office and City of Pittsburgh Police Department, Bridgeport Police Dept. in Bridgeport, WV and Local Law Enforcement Agencies** (Fall, 2009 to Present)
- Volunteer for Peters Township Youth Sports Associations (2012)
- Invited Chinese calligraphy demonstrator for Peters Township, PA Chinese New Year Celebration Event (http://www.ptlibrary.org/lib_events.html) (Jan. 2012)
- Invited to be part of the team of **Internet Safety For Children** (ISFC) (http://www.htcia.org/isfc/index.htm) of HTCIA (**High Technology Crime Investigation Association**) (June. 2011 to present)
- Invited Presenter for New Comer to Pittsburgh hosted by Tzu Chi Non-Profit Foundation- Pittsburgh Chapter (Sept., 2011)
- Invited Presenter of McMurray Elementary School Span the Globe (http://peters.patch.com/articles/viewfinder-mcmurray-elementary-students-span-the-globe#photo-6067292) (May, 2011)
- Pittsburgh Six School Districts (Bethel Park, Canon-McMillan, Chartiers Valley, Mt. Lebanon, Peters Twp, South Fayette, and South Park)of high school Engineering /Science /Aviation/Trade Career Fair (2007 - 2009)
- *Board member of Pittsburgh Chi*nese Academy (2007-2008)
- Web site development and technological consultant for Organization of Chinese Americans (OCA) Pittsburgh Chapter http://ocapghpa.org/index.html (2006- 2008)
- Web site development and technological consultant for Tzu Chi Non-Profit Foundation- Pittsburgh Chapter (http://lab2.us.tzuchi.org/pittsburgh/home.nsf/home/index) (2007-2009)
- Web site development for Survivors House of Hope, Fort Erie, Ontario, Canada (2004)
- Web site development for Galileo: A Cognitive Analysis Tool (2003)
- Web site development for YMCA, Fort Erie, Ontario, Canada (2002)

AFFILIATIONS

- ASIS (International Advanced Security Worldwide)
- LEVA (Law Enforcement & Emergency Services Video Association)
- HTCIA (International High Technology Crime Investigation Association)
- IAI (International Association for Identification)
- CIS (Canadian Identification Society)

REFERENCES

- Available upon request