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EDUCATION

1981 JD Louisiana State University - Law
1978 BS Louisiana State University– Mathematics

PROFESSIONAL DEVELOPMENT

Semi-annually since 1982 Continuing Legal Education programming; Delphi teaching seminars

ACADEMIC POSITIONS

2021- present Associate Professor
Department of Criminal Justice
University of Louisville
2015 – 2021 Assistant Professor
Department of Criminal Justice, University of Louisville
2007 – 2015 Instructor (full-time appointment)
Department of Criminal Justice, University of Louisville
1996 – 2022 Adjunct Instructor
Department of Computer Science and Engineering, University of Louisville
Other Adjunct Instructor
Kentucky Institute for International Studies/Murray State University
Adjunct Instructor
Department of Political Science, Paralegal Program, University of Louisville
Adjunct Instructor
Department of Paralegal Studies, Sullivan University

ADMINISTRATIVE APPOINTMENTS

2016-2018 Director, Paralegal Studies Program, Department of Political Science

OTHER PROFESSIONAL POSITIONS

2006 Clerk, Jefferson Circuit Court, Commonwealth of Kentucky
2001-2006 General Manager, Judicial and Courts Training, Kentucky Court of Justice

1986- current¹ Attorney-at-Law, Louisville, Kentucky.
1983-1986 Legal Services Corporation, Washington, D.C., assistant manager, Program Development

Admitted to practice before the courts of the Commonwealth of Kentucky and State of Louisiana, the Supreme Court of the United States, the U.S. Courts of Appeals for the Fifth, Sixth, Seventh and Federal Circuits, and the U.S. District Courts for the Eastern and Western Districts of Kentucky, Southern District of Indiana, and Middle District of Louisiana

TEACHING EXPERIENCE

Courses taught – Departments of Criminal Justice “CJ”/”JA”, Computer Science and Engineering “CSE”/ “CECS” & Paralegal Studies “PARA”

GRADUATE

Current

CJ 580 – *International Service Learning & Criminal Justice*
CJ 596 – *International Criminal Justice* (human rights law)
CJ 625- *Legal Aspects of Criminal Justice Management*
CJ 627 – *Computer and Cyber Crime (emphasis on cybersecurity)*
CJ 670 – Direct Readings
CJ 798- Mentored Research in Criminal Justice

CSE 590, *Computer and Cyber Security*

UNDERGRADUATE

Current

CJ 306 - *Criminal Procedure- 2008 to present*
CJ 395 – *Criminal Law and Evidence- 2007 to present*
CJ 495– *Independent Readings-2013 to present*
CSE 311, *Ethics, Social, and Legal Aspects on the Electronic Frontier- 1995 to present*

Other

PARA 390, *Paralegal Internship-2017 to 2018*
PARA 385, *Independent Readings-2017*
JA 400- *Legal Issues in Corrections-2011*
CJ 435- *Comparative Criminal Justice Systems (WR) -2013-2014*
JA 445 – *Computer and Electronic Crime – 2012, 2014*
JA 496- *Computer Crimes - 2010*

Other

CECS 694, *Legal Issues In Data Mining And Information Assurance*
CJ/JA 596/CECS 590 – *Digital and Electronic Crime*
JA 596 – *Transnational Cyber Crime- 2015*
JA 596- *Computer and Cyber Crime 2013*
JA 596 – *Digital and Electronic Crime - 2009*

¹ small part-time appellate practice

CRJ 575 – *Comparative Criminal Justice Systems*, Morelia, Michoacan de Ocampo State, Mexico, (Summer, 2008), Kentucky Institute for International Studies/Murray State University
JA 620- *Capital Punishment (WR)* - 2011
CECS 568, *Computer Forensics*
CECS 566, *Information Security*
CECS 694, *Legal Issues in Information Security*, RITI-University of Louisville program in Cairo, Egypt,

Independent Study / Mentored Research

Kyra Fritz, Alberto Barrantes, Rachel Hardesty, Taylor Rockey, Pat Hammons, Jarrod Hinton
Joe Bedan

Thesis / Dissertation committees

2019- Dissertation – Mehdi Sabraoui

2018 – Dissertation – Hyunin Baek
Dissertation - Shad El-Hadik
Thesis – Polina Abramov

2011 - Dissertation - Yehia Khalil

2008 – thesis – Alah Shaheen, Vincent Thacker

PUBLICATIONS

BOOKS

Losavio, Michael, (2012) *Information Crisis*, InfoBase/Chelsea House Publishing, New York

Losavio, Antonio and Losavio, Michael, (2018) *Information Crisis*, 2nd Ed., InfoBase/Chelsea House Publishing, New York

PEER-REVIEWED JOURNAL ARTICLES*

**see peer-reviewed book chapters and conference papers below for related peer-reviewed publications*

Losavio, Michael, “Fog Computing, Edge Computing and a return to privacy and personal autonomy,”
Procedia Computer Science, Elsevier Publishing, 2020

Losavio, Michael, Pastukov, Pavel, Polyakova, Svetlana, Zhang, Xuan, Etchart Ortiz, Miguel, Chow, K.P., Koltay, Andras, James, Joshua, “The Juridical Spheres for Digital Forensics and Electronic Evidence in the World,” WIREs Digital Forensics (Wiley 2019)

Losavio, Michael, Chow, K.P., James, Joshua and Koltay, Andras, “The Internet of Things& the Smart City: Legal Challenges in Digital Forensics, Privacy and Information Security” Security and Privacy, (Wiley 2018)

Michael Losavio & Adel Elmaghraby, Security and the Transnational Information Polity, *Journal of Digital Forensics, Security and Law*, Special Issue on Security of the Individual, State and Society, Vol 12, No. 3, pp 67-76 (2017)

Deborah Keeling & Michael Losavio, Public Security & Digital Forensics In The United States, *Journal of Digital Forensics, Security and Law*, Special Issue on Security of the Individual, State and Society, Vol 12, No. 3, pp 47-60 (2017)

Michael Losavio, Kathryn C. Seigfried-Spellar & John J. Sloan III (2016): Why digital forensics is not a profession and how it can become one, *Criminal Justice Studies* (primary author John Sloan)

Losavio, M., Pastukov, P. and Polyakova, S. (2016) *Cyber Black Box/Event Data Recorder: Legal and Ethical Perspectives and Challenges with Digital Forensics*, *Journal of Digital Forensics, Security and Law*, Vol. 10, No. 4, pp 43-57 (2016)

Losavio, M. and Elmaghraby, A., (2014) *Cyber security challenges in Smart Cities: Safety, security and privacy*, *Journal of Advanced Research* Volume 5, Issue 4, pp 491-497

Losavio, Michael and Keeling, Deborah, *Evidentiary Power and Propriety of Digital Identifiers and the Impact on Privacy Rights in the United States*, *Journal of Digital Forensics, Security and Law*, Vol. 9, No. 2, pp 197-204 (2014)

Losavio, M.M., Wilson, Deborah, Elmaghraby, Adel, (2006) "Prevalence, Use and Evidentiary Issues of Digital Evidence of Cellular Telephone Consumer and Small Scale Digital Devices" *Journal of Digital Forensic Practice*, Vol. 1, pp 291-296 December, 2006

Losavio, M.M., Adams, Julia, Rogers, Marc (2006) "Gap Analysis: Judicial Experience and Perception of Electronic Evidence" *Journal of Digital Forensic Practice*, Vol. 1, pp 13-18, March, 2006

BOOK CHAPTERS

Losavio, Michael and Elmaghraby, Adel, *Artificial Intelligence, Smart Technologies and the Internet of Things: Caution with the Safety, Security and Privacy Eco-system*, 342 Lecture Notes in Networks and Systems 92, Springer Nature 2021

Losavio, Michael, *Smart Technologies and the Laws of Free Expression*, 342 Lecture Notes in Networks and Systems 844, Springer Nature 2021

Losavio, Michael, "Legal Issues and The Need to Engineer Positioning Systems for Protection of Privacy and Personal Security," *Precise Positioning with Commercial Smartphones in Urban Environments*, Sara Paiva, Editor, Springer Nature Switzerland AG, 2021

Michael Losavio, "Issues of Identity and Sufficiency of Digital Evidence," *Research Advances in Digital Forensics* Springer, Fall, 2020, Ch. 5

Michael Losavio, Adel Elmaghraby and Antonio Losavio, "Ubiquitous Networks, Ubiquitous Sensors: Issues of Security, Reliability and Privacy in the Internet of Things," Ubiquitous Networking, Lecture Notes in Computer Science, Springer Nature Switzerland AG (2018)

Losavio, M., Pastukov, P and Polyakova, S., (2014) "Regulatory Aspects of Cloud Computing in Business Environments" In S. Srinivasan, (Ed.) *Security, Trust, and Regulatory Aspects of Cloud Computing in Business Environments* (pages 156-169) (9781466657885): IGI Global 2014

Losavio, Michael, Wilson, Deborah, Elmaghraby, Adel, "Chapter XXI: *Legal Issues For Research And Practice In Computational Forensics*" Handbook of Research on Computational Forensics, Digital Crime and Investigation: Methods and Solutions, edited by Chang-Tsun Li, IGI Global Publishing, 2010

Losavio, Michael, Olfa Nasraoui, Vincent Thacker, Jeff Marean, Nick Miles, Roman Yampolskiy, Ibrahim Imam, "Chapter 19: *An Initial Framework For Assessing Legal Risks in Network Forensic Probing and Monitoring: The Issue of Authorized Access*," Research Advances in Digital Forensics, edited by Sujeet Sheno and Mark Pollitt, Springer, Fall, 2009 pp 255-266

Losavio, Michael "Non-Technical Manipulation of Digital Data: Legal, Ethical and Social Issues for Computing, Judicial Process & Digital Forensics," *Research Advances in Digital Forensics* Springer, Fall, 2005 pp. 51-63

LAW REVIEW ARTICLES

Michael Losavio, *The Need for Curtains of the Soul: privacy versus transparency in an instrumented world of algorithmic artificial intelligence.*, ____ Florida International University Law Review ____ (2023) (in press)

Losavio, M. (2021). Algorithms of Machines and Law:: Risks in Pattern Recognition, Machine Learning and Artificial Intelligence for Justice and Fairness. *Public Governance, Administration and Finances Law Review*, 6(2), 21–34. <https://doi.org/10.53116/pgafjr.2021.2.3>

Michael Losavio, Youngjin Song, Joshua I. James, Andrew Marrington, K.P. Chow, *A World Information Order - Privacy and Security in a Hyper-networked World of Data and Analysis* , 42 N. Ky. L. Rev. 2, pp 315-340, (2015)

Michael M. Losavio, Deborah Griffith Keeling, Galina Borisevich, Natalya Chernyadyeva, Evelina Frolovich, Pavel Pastukhov, Svetlana Polyakova, Olga Dobrovlyanina, *A Comparative Review Of Cybercrime Law And Digital Forensics In Russia, The United States And Under The Convention On Cybercrime Of The Council Of Europe*, 39 N. Ky. L. Rev. (2012), pp 267-326

BOOK CHAPTERS

Losavio, Michael, *AI and Robotic Orations- Alan Turing's Dilemma*, Cambridge Scholars Publishing, (2023) (in press)

Losavio, Michael "Artificial Intelligence and Criminal Liability for Development, Distribution and Use" chapter in AI Embedded Assurance for Cyber Systems, Cliff Wang, S. S. Iyengar, Kun Sun Eds. Springer 2023 (in press)

Losavio, M. (2022) "Freedom of Speech, Inviolability and Democratic Cyber Security-an End or the Beginning," „Brandeis meets Gutenberg Vol. II - Contemporary Threats to Speech," Udo Fink, Russell Weaver, Ines Gillich, (eds) Peter Lang, Berlin.

Losavio, M. (2019) "Pensees': Speech, Inference and the Information Panopticon," R. Weaver, M. Cole and S. Friedland, (Ed.) *Comparative Perspectives on Freedom of Expression*, CRC Press

Losavio, M. (2016) "Speech, Fear and the Internet of Encrypted Things," R. Weaver, M. Cole and S. Friedland, (Ed.) *Comparative Perspectives on Freedom of Expression*, CRC Press

Elmaghraby, A.S. and Losavio, M.M. (2017) *Smarter Cities Need Smarter Security*, Ch. 5, Cyber Infrastructure Protection, Tarek Saadawi and John Colwell, Jr., Cyber Infrastructure Protection, Vol III, Ch. 5, Eds. United States Army War College Press,

Losavio, J. and Losavio, M. (2014). "Social media and prosecution." In C. Marcum & G. Higgins (Eds.), *Social Networking As A Criminal Enterprise*, Boca Raton, FL: CRC Press.

Losavio, Michael, Shutt, John, Keeling, Deborah, "The Information Polity: Social and Legal Frameworks for Critical Cyber Infrastructure Protection" Cyber Infrastructure Protection: Policy and Strategy, May, 2011, Tarek Saadawi and Louis Jordan, ed., Strategic Studies Institute, U.S. Army War College, Carlisle, PA

Losavio, Michael, Wilson, Deborah, Elmaghraby, Adel, "Open Information Management: Jurisdictional, Legal and Ethical Factors" Open Information Management: Applications of Interconnectivity and Collaboration, Samuli Niiranen, Jari Yli-Hietanen, Artur Lugmayr, Eds., IGI Publishing, ISBN: 978-1-60566-246-6 May, 2009

PEER-REVIEWED CONFERENCE PROCEEDINGS **Proceedings may be published electronically**

Losavio, Michael, The Internet of Things, AI Analytics and the System of Justice: needed integration of technology and law, *Proc. of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) 16-18 November 2022, Maldives*, IEEE Xplore Digital Library

Losavio, Michael, Pastukov, Pavel, Polyakova, Svetlana, "Multimedia Objects and Forensic Determinations of Criminal Responsibility," 2022 IEEE Conference on Sciences of Electronics, Technologies of Information and Telecommunications, Sfax, Tunisia 28-20 May 2022, [IEEE Xplore Digital Library](#) (Scopus)

Michael Losavio, Jeffrey C. Sun, Sharon Kerrick, Adel Elmaghraby, Cheryl Purdy, Clay Johnson , Integrating Democratic Cybersecurity: Traditional Law Enforcement and Democratic Public Safety, ICCWS 17th International Conference on Cyber Warfare and Security, 17 - 18 March 2022, New York, USA, Integrating Democratic Cybersecurity: Empowerment of ...

<https://papers.academic-conferences.org> › download accessed 13 April 2022

M. Losavio *et al.*, "STEM for Public Safety in Cyber: Training for Local Law Enforcement and Cyber Security," *2019 IEEE Integrated STEM Education Conference (ISEC)*, Princeton, NJ, USA, 2019, pp. 215-221. Published via IEEE Xplore <https://ieeexplore.ieee.org/document/8881990>, accessed 3/9/2020

Michael Losavio, Adel Elmaghraby and Adrian Lauf, "Extension of the Internet of Things Further into Mine Water Management," International Mine Water Association Conference, Perm, Russia, 2019, published at http://www.imwa.info/docs/imwa_2019/IMWA_2019_proceedings.pdf

Losavio, Michael, Pastukov, Pavel and Polyakova, Svetlana, "In the Borderlands of Security with Information: Digital Objects, Inference and Guilt," 18th IEEE International Symposium on Signal Processing and Information Technology, December, 2018, Louisville, Kentucky, USA

Losavio, Michael M. and Losavio, Antonio M., "Downstream Competence Challenges and Legal/Ethical Risks in Digital Forensics-2017 ADFSL Conference" (2017). Annual ADFSL Conference on Digital Forensics, Security and Law. 10. <https://commons.erau.edu/adfsl/2017/papers/10/> (accessed 6 March 2020)

Michael Losavio, Corinne Rogers and Adel Elmaghraby, "Digital Heritage from the Smart City and the Internet of Things: History or Stasis?, Digital Heritage 2015, Granada, Spain, October, 2015 , published at IEEE Xplore <https://ieeexplore.ieee.org/document/7419541> (accessed 9 March 2020)

Losavio, M.M., " Crimes In, Of and By Virtual Worlds and Computer Gaming," 2015 International Conference on Computer Games: AI, Animation, Interactive Multimedia, Virtual Worlds & Serious Games (CGames), IEEE Computer Society, Louisville, USA, 2015 , published at IEEE Xplore <https://ieeexplore.ieee.org/document/7272962> (accessed 9 March 2020)

Losavio, J.D. and Losavio, M.M., "The Legal/Juridical Space of Computer Games: From Intellectual Property to Intellectual Freedom," 2014 International Conference on Computer Games: AI, Animation, Interactive Multimedia, Virtual Worlds & Serious Games (CGames), IEEE Computer Society, Louisville, USA, 2014, pp 54-61. published at IEEE Xplore <https://ieeexplore.ieee.org/document/6934141> (accessed 9 March 2020)

Losavio, A.M., Polyakova, S., Hayden, T.C. and Losavio, M.M., "Linguistic Implementations in Computer Game and Virtual World Design," 2014 International Conference on Computer Games: AI, Animation, Interactive Multimedia, Virtual Worlds & Serious Games (CGames), IEEE Computer Society, Louisville, USA, 2014, pp 62-65. published at IEEE Xplore <https://ieeexplore.ieee.org/document/6934142> (accessed 9 March 2020)

Losavio, Michael and Keeling, Deborah, "Legal/Forensic Concerns in the Analysis of Digital Device Hardcopy Output", **8th** International Workshop on Systematic Approaches to Digital Forensic Engineering, November, 2013, University of Hong Kong, IEEE Computer Society, Hong Kong SRA, China published at IEEE Xplore <https://ieeexplore.ieee.org/document/6911543> (accessed 9 March 2020)

Losavio, Michael, Keeling, Deborah, Lemon, Michael "Models In Collaborative And Distributed Digital Investigation With Ubiquitous Computing And Communication Systems," *The Memory of the World in*

the Digital Age: Digitization and Preservation International Conference, United Nations Educational, Scientific and Cultural Organization, (Seventh International Workshop on Systematic Approaches to Digital Forensic Engineering,) September 28, 2012, Vancouver, British Columbia, Canada, published by the Government of Portugal, Director General of Books, Archives and Libraries.

http://1seminariopreservacaopatrimoniodigital.dglab.gov.pt/wp-content/uploads/sites/19/2015/08/recurso_25.pdf (accessed 9 March 2020)

Losavio, Michael, Keeling, Deborah, "Computer Forensics And Electronic Evidence - Failure of Competent Computer Forensic Analysis And Other Computer-Related Acts As Ineffective Assistance Of Counsel " Institute of Electrical and Electronic Engineers (IEEE) Sixth International Workshop on Systematic Approaches to Digital Forensic Engineering, May 26, 2011, Berkeley, California, U.S.A

Losavio, Michael, Hindi, Musa, Keeling, Deborah, Yampolskiy, Roman, "Boundary Conditions for the Digital Forensic Use of Electronic Evidence and The Need for Forensic Counter-Analysis", short paper, Institute of Electrical and Electronic Engineers (IEEE) Sixth International Workshop on Systematic Approaches to Digital Forensic Engineering, May 26, 2011, Berkeley, California, U.S.A

N. Armstrong, M. Losavio and D. Keeling, "Digital System, Evidence & Forensics Issues in Correctional Environments," 2010 Fifth IEEE International Workshop on Systematic Approaches to Digital Forensic Engineering, Oakland, CA, 2010, pp. 141-149. doi: 10.1109/SADFE.2010.22

Losavio, M.M., Keeling, Deborah, "A Distributed Triage Model for Digital Forensic Services to State and Local Law Enforcement." Work-in-progress paper, Institute of Electrical and Electronic Engineers (IEEE) *Fourth International Workshop on Systematic Approaches to Digital Forensic Engineering*, May 21, 2009, Berkeley, California, U.S.A.

M. Losavio, D. W. Keeling, A. Elmaghraby, G. Higgins and J. Shutt, "Implications of Attorney Experiences with Digital Forensics and Electronic Evidence in the United States," *2008 Third International Workshop on Systematic Approaches to Digital Forensic Engineering*, Oakland, CA, 2008, pp. 79-90. doi: 10.1109/SADFE.2008.11

M. Losavio, D. W. Keeling, A. Elmaghraby, G. Higgins and J. Shutt, "Network Forensics: Network Data and State Seizures in the United States," *2008 Third International Workshop on Systematic Approaches to Digital Forensic Engineering*, Oakland, CA, 2008, pp. 143-143. doi: 10.1109/SADFE.2008.15

M. M. Losavio, "The law of possession of digital objects: dominion and control issues for digital forensics investigations and prosecutions," *First International Workshop on Systematic Approaches to Digital Forensic Engineering (SADFE'05)*, 2005, pp. 177-183. doi: 10.1109/SADFE.2005.25

ENCYCLOPEDIA ENTRIES

Losavio, M. M., Keeling, D. G., Pastukhov, P. and Polyakova, S. 2015. Computer Science and Crime. The Encyclopedia of Crime and Punishment. 1–6.

Keeling, D. G., Losavio, M. M. and Hughes, T. W. 2015. Rule of Law. The Encyclopedia of Crime and Punishment. 1–3.

Losavio, Michael, Keeling, Deborah, Elmaghraby, Adel, 2011 "International Issues," Encyclopedia of Information Assurance, CRC Press

BOOK REVIEWS

China's Global Vision and Actions: Reactions to Belt, Road and Beyond, by Peter J. Rimmer, Professor Emeritus, Australian National University, American Review of China Studies, 2022.

NON-PEER REVIEWED PUBLICATIONS

Cheryl Purdy, Clay Johnson, Bryan Moore, Michael Losavio, "Democratic Cybersecurity for the System of Justice," ___ Kentucky Bench and Bar, pp 34-37 (March/April 2022)

Our Internet World and Our Engagement In The System Of Justice, by Michael Losavio, 83 (5) Kentucky Bench and Bar, p 30 (Sept/Oct 2019)

Some Secure Communications Tools, by Michael Losavio 83(4) Kentucky Bench and Bar, p.38 (July / Aug. 2019).

Computational Lawyering: How Computing, From Google to AI, Has and Will Change Lawyering, by Michael Losavio 83(2) Kentucky Bench and Bar, p.38 (Mar. / Apr. 2019).

Losavio, Michael, Wettle, Mark, and Lauf, Adrian, "Cryptocurrency: Regulating Poetry," 82 Kentucky Bench and Bar ____, 2018

Shari Lawrence Pfleeger; Marc Rogers; Masooda Bashir; Kelly Caine; Deanna Caputo; Michael Losavio; Sal Stolfo, *Does Profiling Make Us More Secure?*, IEEE Security & Privacy Journal, 2012, Volume: 10, Issue: 4 Pages: 10 - 15

Abstract - Losavio, Michael, Keeling, Deborah, "Ubiquitous Digital Records, "Big Data" & Digital Forensics," The Third Perm Congress Of Scholar Lawyers: Urgent Issues Of Law In Modern Society Perm State National Research University 12 October 2012, Russian Federation

Abstract - Losavio, Michael and Keeling, Deborah, Social Media: Regulation Under Criminal Law and Forensic Implications , The Second Perm Congress of Scholar Lawyers: Urgent Issues of Law in Modern Society, Perm State University, 28 October 2011, Perm, Russian Federation

Losavio, M.M., Position Paper: "Some Suggested Areas of Ongoing Research in Digital Forensics," Army Research Office Workshop on Digital Forensics, September 2009, Arlington, VA p 36

Michael Losavio and Deborah Keeling, "Louisville well-positioned to be a" Event City,"" Louisville Courier Journal, April 5, 2016

Other Kentucky Bench & Bar Columns

- Michael Losavio, Freedom of Speech and the Family Lawyer, Kentucky Bench & Bar (2017)
- Michael Losavio, Computers and the Law , Kentucky Bench & Bar (2017)
- Michael Losavio, Where Are We Now and Where Might We Be Going? , Kentucky Bench & Bar (2017)
- Michael Losavio, Back to the Internet-[social media safety] , Kentucky Bench & Bar (2016)
- Michael Losavio, New Twist in the Voice to Text Technologies , Kentucky Bench & Bar (2016)
- Michael Losavio, *USA Freedom Act and the Kentucky Lawyer*. KBA Bench and Bar Journal, July, 2015, p 45
- Michael Losavio, *Data Breach and the Kentucky Lawyer*, KBA Bench and Bar Journal, March, 2015, p 47
- Michael Losavio, *Finding Needles In Haystacks: Publicly Available Data Analytics Via Google*, Kentucky Bench & Bar, Volume 76, Number 6 November, 2012, pp 28-29
- Michael Losavio, *The Big Data Role of the Lawyer*, Kentucky Bench & Bar, Volume 76, Number 4 July, 2012, pp 33-34
- Michael Losavio, *Social Media and Forensic Issues*, Kentucky Bench & Bar, Volume 75, Number 4 July, 2011, pp 30-31
- Michael Losavio, *Socializing Media – The Adoption of Social Media By Professionals*, Kentucky Bench & Bar, Volume 75, Number 2 March, 2011, pp 36-37
- Losavio, M.M., (2010) “Ethical Issues with Information—the Social Networks Revisited” *Kentucky Bench & Bar*, Vol. 74, (6) pp. 32-33. November ,2010
- Losavio, M.M. (2010) “The Information Polity—Connectivity and Community Part 1, *Kentucky Bench & Bar*, Vol. 74(4) pp. 34-35 July 2010
- Losavio, M.M. (2010) “Mobile Application for Public & Personal Safety, Part 1”. *Kentucky Bench & Bar*, Vol. 74(2) pp. 24-25 March 2010
- Losavio, M.M.. (2009) “Control and Access in the Cell-Phoned World, *Kentucky Bench & Bar*, Volume 72, (2), pp. 28-30 March 2009
- Losavio, M.M. (2010) “Mobile Application for Public & Personal Safety, Part 1”. *Kentucky Bench & Bar*, Vol. 74(2) pp. 24-25 March 2010
- Losavio, M.M. (2009) :More Electronic Filing for Kentucky Lawyers: Electronic Case Filing (ECF) and the United States Court of Appeals for the Sixth Circuit, *Kentucky Bench & Bar*, Volume 72 (1) pp. 32-33, January, 2009,
- Losavio, M.M. An Expertise Gap in Digital Forensics, 71 *Kentucky Bench and Bar* Vol 6, pp 29-30, November, 2007,
- Losavio, M.M. An ESI Discovery Question 71 *Kentucky Bench and Bar* Vol 5, p 40 September, 2007,
- Will Hilyerd, Thomas Hughes, M.M. Losavio, and Virginia M. Smith, IT and Legal Education, 71 *Kentucky Bench and Bar* Vol 4 pp 26-29 July, 2007,
- Losavio, M.M.. The Lawyer as Counsel to the World, 71 *Kentucky Bench and Bar* Vol3, p 68 May, 2007,
- Losavio, M.M. Basic File System Metadata in Electronic Discovery and Digital Forensics, 71 *Kentucky Bench and Bar* Vol 2, pp 27-28 March, 2007,
- Losavio, M.M.. PowerPoint, Power Cords, Power Windows, etc. 71 *Kentucky Bench and Bar* Vol 1, pp 33-34 January, 2007,
- Losavio, M.M. “Digital Forensics: Challenges For The Bar” *Bench & Bar* May 2005 v69 i3 p77(1);
- Losavio, M.M. “Legal & Judicial Informatics: An Assessment”. *Bench & Bar* Jan 2005 v69 i1 p28(2);
- Losavio, M.M. “Cybersecurity And Homeland Security” *Bench & Bar* Nov 2003 v67 i6 p36(3);
- Losavio, M.M. “Computer Forensics For Bench And Bar: Intended Records Of E-Mail And Web Browsing” *Bench & Bar* May 2003 v67 i3 p51(2);
- Losavio, M.M. “The Mirror’s Image: Information Security and Computer Forensics” *Bench & Bar* Sept 2002 v66 i5 p 34(2)

WORK UNDER SUBMISSION

WORK IN PROGRESS

GRANTS & CONTRACTS

FUNDED EXTERNAL GRANTS			
Years active	Grantor	Total Amount	Role
2022	Fulbright Commission/WorldLearning	Travel, lodging, per diem	Consulting with Kosovo Academy for Public Safety
2020-2022	US Department of Homeland Security	\$831,000	PI
2020-2023	National Security Agency Cyber Security in Health Care	\$5,999,975	
2020-2021	Cyber Workforce Development for Service Members, Spouses, and Veterans (Education lead)	1,181,56	Co-PI
2017-2019	National Security Agency Cyber Security and Law Enforcement (1.2.4) and Virtual Lab Environment (1.2.1)	\$580,000	Co-PI
2017-2018	Kentucky DPA conflict defense project	\$29,999	collaboration
2013	Fulbright Commission	Travel, lodging, per diem	Visiting faculty to Perm State University, other institutions in Perm, Russia
2008	Kentucky Science and Engineering Foundation Peer to Peer Study	\$50,000	Co-PI
PENDING EXTERNAL GRANTS			
2020-2023	NSF	Leveraging the relationship between multiple data sources and optimization models for reconstruction and prediction of criminal networks	
UNFUNDED EXTERNAL GRANTS			
2020	NSF	Leveraging the relationship between multiple data sources and optimization models for reconstruction and prediction of criminal networks	Co-PI
2020	USRF funding for staff and travel – white paper		PI
2019	State Department funding for teaching materials and travel – white paper		PI

2019	National Science Foundation-STEM – Computing Skills Across the Curriculum	\$349,618	PI
2019	US-Russia Foundation	\$ 1 0 2 , 9 2 5 . 0 0	Co-PI
2018	Department of Education (US)	\$97,000	Co-PI
2017	Department of Homeland Security CRANE Center of Excellence project Digital Forensics Component	----	collaboration
2017	US Agency for International Development Collaboration U of L – Perm State U	\$355,000	PI
2017	US-Russia Foundation Collaboration U of L – Perm State U	\$355,000	PI
2016	National Science Foundation SATC Utilizing Self-Control Depletion Theory to Guide Mapping Criminological Techniques Into Prophylactic Systems Against Malware	\$481,117	Co-PI
2015	National Science Foundation SBE: Utilizing self-control depletion theory to guide mapping criminological techniques into prophylactic systems against malware	\$499,845	Co-PI
2014	National Institute of Standards and Technology project: Translation of Legal Forensic Standard ...into Engineering Design...	\$998,295	Co-PI
2012	US State Department Forensic Capacity Building-Law Enforcement and Rule of Law Programs for Countries in Central America	+/- \$180,000	PI
2009	BTOP Broadband Infrastructure Project for the California neighborhood	\$10M	
2008	National Institute of Justice Peer to Peer project	\$871,000	
2008	State Department Culture of Lawfulness Program (Mexico and Panama)	\$149,364	Co-PI

2007	Risk Identification and Remediation in Community & Hometown Cybersecurity Environments	\$1,426,109	PI
FUNDED INTERNAL GRANTS			
2013	Supporting Undergraduate innovation teaching grant (internal)	\$5,000	Losavio primary
UNFUNDED INTERNAL GRANTS			
2008	IRIG Peer to Peer study		Co-PI

PRESENTATIONS

Presentations

Losavio, Michael, Mohamed ElShamy, Amy Gajda, Michael Epstein, Ronald Krotoszynski, Jr., Russell Weaver, Social Media & Democracy: The Promise, the Perils and the Pitfalls, 7th Academic Days on Open Government and Digital Challenges, IMODEV, Paris 1 Pantheon Sorbonne (2022)

Michael Losavio, Jeffrey C. Sun, Sharon Kerrick, and Adel Elmaghraby, "Building A Responsive Cybersecurity Workforce: Devising And Implementing An Asset-Based Approach To Tackle Cyber-Crimes," Eurocrim 2022, European Society Of Criminology, Malaga, Spain (2022)

Michael Losavio, et al, panelist, Southeastern Association of Law Schools Annual Meeting, Miramar Beach, Florida, July 27-August 3, 2022

Losavio, Kerrick, Elmaghraby, Lauf, Sun, Im, Wright, Maiti, "Re-imagining Cyber Security Workforce: Engaging Communities to Better Protect Our Families, Schools, and Work," NSF SaTC Town Hall 17 March 2022

Losavio, Kerrick, Elmaghraby, Lauf, Sun, Im, Wright, Maiti, The Role of Centers of Academic Excellence in Democratizing Cyber Security, NSA Centers of Academic Excellence CAE Forum January 5, 2022

Michael Losavio, "Democratizing Cyber Security: legal, ethical and technical issues," Kentucky State Government Bar Association, 30 November 2021, online

Michael Losavio, et al, "The Role of Centers of Academic Excellence in Democratizing Cyber Security," Kentucky Cybersecurity and Forensics Conference, National Centers of Academic Excellence Kentucky institutes, 12 November 2021

Michael Losavio, panelist: "Free Expression and Social Media," Academic Days 2020, Pantheon Sorbonne, Universite' Paris 1, 8 November 2021

Michael Losavio, et al, "Democratizing Cyber Security for Public Safety," European Society of Criminology, EuroCrim2021, September 8-10, 2021, Lausanne, Switzerland, online.

Metaphor

Sharon Kerrick, Thomas Krupp, Ann Larson, Michael Losavio, "Computation and Security Across the Curriculum," 2020 NICE K12 Cybersecurity Education Conference, December 5-8, 2020, St. Louis, Missouri (prerecorded, virtual)

Michael Losavio, "Freedom of Association and Speech: Engineering Technical and Legal Systems for Personal Autonomy," Academic Days 2020, Pantheon Sorbonne, Universite' Paris 1, 4 November 2020

Michael Losavio, "Artificial Intelligence and the Internet of Things: Security and Autonomy," keynote address, 8th International Symposium on Security in Computing and Communications 2020, Chennai, India 17 October 2020

Cherie Dawson-Edwards, Michael Losavio, Sam Marcossou, Brian Butler, Aubrey Williams, David Yates, "Breonna Taylor Criminal Law Education Forum," Louisville City Council and the University of Louisville, 14 August 2020

Michael Losavio, "Ethics and the Internet of Things," American Center Moscow, U.S. Embassy Russia, 29 May 2020.

Michael Losavio, "The Risks of Police And Criminal Justice Analytics: legal and policy issues with algorithmic justice," National Institute of Justice program, International Association of Crime Analysts 2019 conference, August, 2019, Baltimore, Maryland.

Losavio, Antonio and Losavio, Michael, "Transnational biomedical research and ethics compliance: the role of the Institutional Review Boards," International Euro-Asian Congress on Bioethics, Molecular and Personalized Medicine "Biomed-in-2019," November 6, 2019, Perm, Russian Federation

Michael Losavio and Peter Yakolev, "Human Rights in the Digital Age," Russian Masters Program Summer School on Human Rights, United Nations Office of the High Commissioner for Human Rights, Perm State National Research University, June 25, 2019

Michael Losavio, "Collaborative Exchange: Knowledge And Culture," American Center Moscow, May 30, 2019, Moscow, Russian Federation

Michael Losavio and Adrian Lauf, National Security Agency CAE Forum, The Legal Space of the Internet of Things, Law Enforcement And Public Safety March, 2019

Michael Losavio and Adrian Lauf, National Security Agency CAE Forum, March 14, 2018

Losavio and Elmaghraby, 'Crowd-sensed Big Data: Issues of Security, Reliability and Privacy in the Personal Internet of Things' , Fourth International Symposium on Ubiquitous Networking, Hammamet, Tunisia, 2018

Michael Losavio, moderator, panel on Criminal Justice Reform, with Anna Harvey, Gregory DeAngelo and Megan Stevenson, Schnatter Center for Free Enterprise, January 23, 2018, University of Louisville, Kentucky, U.S.A.

Michael Losavio, "Collaborative Exchange: Knowledge And Culture," Mini-Conference On Anniversary Celebration of the Department of Linguo-didactics, Perm State University, RF, November 28, 2017

Michael Losavio, "Technology for Lawyers: What is My Ethical Duty and What Do I Need to Know? ' Kentucky Law Update, Kentucky Bar Association, Ashland/Russell, Kentucky September 29, 2017

John Delaney, Michael Losavio and Mark Wettle, "Zealous Client Centered Advocacy. *No One Wants to Be Ineffective*," Department of Public Advocacy Conflicts Attorney Training, Frankfort, KY, June1, 2017

Michael Losavio, "Practice and Technology, "Legal Secretaries of Kentucky, Louisville, Kentucky, June 4, 2017

Michael Losavio, "Predictive Analytics, the Smart City and Law Enforcement: Weighing Benefits and Detriments." American Criminal Justice Society, Kansas City, March 25, 1017

Michael Losavio, "Messy Problems and Tactility: What Might Disturb Their Dogmatic Slumber?" Lightning Talks: Capturing the Magic Potential of Faculty-Student Interactions, 2017 Celebration of Teaching and Learning, 2/10/2017

Keynote Presentation Michael M. Losavio, (2015,) Smart Cities, Digital Forensics and Issues of Foundation and Ethics , Tenth International IEEE Workshop on Systematic Approaches to Digital Forensic Engineering, Malaga, Spain

Invited Presentation Losavio, Michael and Keeling, Deborah, March, 2015 "Creative Tourism and Hemispheric Professional Training in the Event City," Ajman Seventh International Conference for Urban Planning AIUPC7, Ajman, U.A.E.,

Invited- Michael M. Losavio And Yuting Wang, "Cyber Security – Today, Tomorrow and the Future: Financial Crimes, The Smart City And The Internet Of Things -Protecting The Integrity Of Your Business, Transactions And Reputation," International Association Of Financial Crimes Investigators Conference, Kentucky-Indiana Chapter, October 16, 2015, Elizabeth, Indiana, USA

2011 Bi-national Russian-American Internet Colloquium: *National and Transnational Human Trafficking*, Perm State University, Perm, Russian Federation University of Louisville, Louisville, Kentucky, U.S.A., by, inter alia, Tom Dumstorf, Galina Borisavich, Svetlana Polyakova, Dr. Deborah Keeling, Dr. Theresa Hayden, Dr. Geetha Suresh and Michael Losavio, Esq.

E. Gritsenko, S. Polyakova, G. Borisevich, T. Loginova, M. Losavio (via Skype videoconferencing), T. Dumstorf, *Russian-American Telebridge "Law and Order" in Teaching Cross-cultural Professional Communication and ESP/*

The 18th European Symposium on Languages for Special Purposes: book of abstracts /ed. Larissa Alekseeva; Perm State University. - Perm, Russia, August 26, 2011. - p. 25.

Gilliland, RI, Seigfried-Spellar, K., Dibble, J., Rogers, M., Losavio, M. , Skjellum, A., Miller, K. (2016) *Workshop: Developing a Professional Code of Ethics in Digital Forensics*, American Academy of Forensic Sciences, Las Vegas, Nevada

Losavio, M.M., Hayden, T. and Polyakova, S., (2015) " *Implementing Effective Linguistics, Cultural and Business Practices*," 2015 International Conference on Computer Games: AI, Animation, Interactive Multimedia, Virtual Worlds & Serious Games (CGames), IEEE Computer Society, Louisville, USA, 2015

Losavio, M.M., Elmaghraby, A., Keeling, D.G. " *Changing the Game—Mapping Criminal Justice Models for Cyber Security, Digital Forensics & Information Assurance*," Association for Computing Machinery

Northeast Digital Forensics Exchange (NeFX) September 13-14, 2010 Georgetown University, Washington, D.C., U.S.A

Losavio, M.M., Elmaghraby, A., Redding, R., *"Connectivity for Safety, Education, and Health in the City,"* Ideal City Conference, July 24, 2010, University of Louisville, Urban and Public Affairs, Louisville Kentucky, U.S.A.

Losavio, M.M., Sharp, B., Adams, S. (September--November 2011) "Social Media-Ethical, Practice and Forensic Issues", Kentucky Law Update Continuing Legal Education Programs, Kentucky, U.S.A.— Covington, Bowling Green, Owensboro, Ashland, Gilbertsville, Prestonsburg, London and Louisville, Kentucky.

Losavio, M.M., Sharp, B., Adams, S. (June 16, 2011) "Social Media-Ethical, Practice and Forensic Issues", Louisville Bar Association, June 16, 2011, Louisville, Kentucky

Losavio, M.M. (May 2, 2011) "Social Media for Paralegals", Louisville Association of Paralegals, Louisville Kentucky.

Losavio, M.M., Shutt, J.E., Keeling, D.G., *"Positioning Social and Justice Models for Cyber Security,"* poster presentation, April 2010, Cyber Security and Information Intelligence Research Workshop, Oak Ridge National Laboratory, Tennessee, U.S.A.

Losavio, M.M. & Sharp, W., *Ethical Considerations with New Information Technologies,* professional education seminar, Louisville Bar Association, Louisville, Kentucky, September 23, 2010

Losavio, M.M., Shutt, John, Keeling, Deborah, *"The Information Polity: Social and Legal Frameworks for Critical Cyber Infrastructure Protection,"* Cyber Infrastructure Protection: Policy and Strategy 2009, June, 2009, City University of New York/Army Strategic Studies Institute, New York, New York, U.S.A.

Losavio, Michael and Siegfried-Spellar, (2016) *Ethical Risks In The Evolution Of Digital Forensic Science and the Need for a Professional Code of Ethics*, Academy of Criminal Justice Sciences, Denver, Colorado

Losavio, Michael (moderator), Campbell, R., Puskal, J., Hranicky, R., Courcier, S., Mana, A., *Technical, Ethical, Legal and Social Issues for the Future of Digital Forensics*, Tenth International IEEE Workshop on Systematic Approaches to Digital Forensic Engineering, Malaga, Spain

Losavio, M.M., Trappani, Kimberly, Dill, Mark, presentation, *"Social Networking or Security Suicide"*, CIO Solutions Gallery, Ohio State University, Columbus, Ohio, August 12, 2009

Panel: Technical, Social and Legal Frameworks for Digital Device & Forensics Concerns and Cyber Infrastructure Security, Jean West, Ulf Lindqvist Peter J. Vasquez, M.M. Losavio and Sean Peisert, Institute of Electrical and Electronic Engineers (IEEE) *Fourth International Workshop on Systematic Approaches to Digital Forensic Engineering*, May 21, 2009, Berkeley, California, U.S.A.

CONSULTING

2017 National Workshop on Redefining Cyber Forensics, sponsored by the National Science Foundation and the University of New Haven, Hartford, Connecticut- participant

MEDIA PRODUCTS

Interviews and commentary to media on computing and crime subjects
<http://www.wlky.com/news/louisville-man-accused-of-secretly-recording-nanny/36125974>
<http://www.wdrb.com/story/28033088/hackers-steal-personal-information-from-anthem-customers>
<http://www.theatlantic.com/sponsored/siemens/great-infrastructure-migration/422/>

TEACHING EXPERIENCE (courses taught elsewhere may be listed as well, if one wishes to do so)

**Courses taught – Departments of Criminal Justice, Computer Engineering and Computer Science
“CECS” & Paralegal Studies “PARA”**

UNDERGRADUATE

Current

CJ 306 - *Criminal Procedure- 2008 to present*
CJ 395 – *Criminal Law and Evidence- 2007 to present*
CJ 495– *Independent Readings-2013 to present*

CECS 311, *Ethics, Social, and Legal Aspects on the Electronic Frontier- 1995 to present*

PARA 390, *Paralegal Internship-2017 to 2018*
PARA 385, *Independent Readings-2017*

Previously

JA 400- *Legal Issues in Corrections-2011*
CJ 435- *Comparative Criminal Justice Systems (WR) -2013-2014*
JA 445 – *Computer and Electronic Crime – 2012, 2014*
JA 496, *Computer Crimes - 2010*

GRADUATE

Current

CJ/JA 625- *Legal Aspects of Criminal Justice Management- 2015 to present*
CJ 670 – *Direct Readings*
CJ 798- *Mentored Research in Criminal Justice*

CECS 590, *Computer and Cyber Security*
CECS 694, *Legal Issues In Data Mining And Information Assurance*

Previously

CJ/JA 596/CECS 590 – *Digital and Electronic Crime*
CJ 596 – *International Service Learning & Criminal Justice*
JA 596 – *Transnational Cyber Crime- 2015*
JA 596- *Computer and Cyber Crime 2013*
JA 596 – *Digital and Electronic Crime - 2009*
CRJ 575 – *Comparative Criminal Justice Systems, Morelia, Michoacan de Ocampo State, Mexico, (Summer, 2008), Kentucky Institute for International Studies/Murray State University*
JA 620- *Capital Punishment (WR) - 2011*
CECS 568, *Computer Forensics*
CECS 566, *Information Security*
CECS 694, *Legal Issues in Information Security, RITI-University of Louisville program in Cairo, Egypt, Summer, 2003*

Independent Study / Mentored Research

Kyra Fritz, Alberto Barrantes, Rachel Hardesty, Taylor Rockey, Pat Hammons, Jarrod Hinton
Joe Bedan

Thesis / Dissertation committees

2019- Dissertation – Mehdi Sabraoui

2018 – Dissertation – Hyunin Baek
Dissertation - Shad El-Hadik
Thesis – Polina Abramov

2011 - Dissertation - Yehia Khalil

2008 – thesis – Alah Shaheen, Vincent Thacker

SERVICE

PROFESSIONAL SERVICE

Promotion Review of John Sammons to Full Professor, Marshall University, West Virginia, 2023

Reviewer, various journals

Continuing Legal Education presentations for the Kentucky and Louisville Bar Associations and the lawyers of the Kentucky Department of Public Advocacy.

Committee Service

Steering Committee, Program committees, International Workshop on Systematic Approaches to Digital Forensic Engineering

Program Committee, 2015 CGames Conference, Louisville, Kentucky, U.S.A.

Program Committee, 2015 ICDF2C 7th International Conference on Digital Forensics & Cyber Crime

Program Committee, 2015 Eleventh Annual IFIP WG 11.9 International Conference on Digital Forensic

Program Committee, 2015 W2SP Web 2.0 Security and Privacy Workshop

Grant reviewer

Fulbright Specialist reviewer

Manuscript reviewer

Journal of Forensic Science – one article 2017

Transactions in Emerging Topics in Computing- one article 2017

Journal of Criminal Justice Education, one article, 2014

IEEE Security & Privacy, one article, 2014

Journal of Digital Forensics, Security and Law – several

Membership in professional organizations

Academy of Criminal Justice Sciences
American Bar Association
Institute for Electrical and Electronic Engineers (IEEE)
Association for Computing Machinery (ACM)
International Federation for Information Processing (IFIP) Work Group 11.9 on Digital Forensics
Kentucky Bar Association,
Louisiana Bar Association

COLLEGE & UNIVERSITY SERVICE

Faculty affiliate, Asian Studies program- current
Law School committee on 3+3 alignment for undergraduate-law school program. (2014-16)
Delphi Center planning committee for Celebration of Teaching and Learning, Spring, 2016 (2016)
Faculty Senate (past)
Intellectual Property Committee (past)
Community Engagement Steering Committee (past)
A&S Facilities & Technology Committee (past)

DEPARTMENT SERVICE

2014 – 2016 3+3 Committee for 4th year transition CJ=>Law School
2015-2016 Development and implementation of ISLP-Trinidad course, CJ 580, for Spring, 2016
2001-2018 Industrial Advisory Board, Computer Engineering and Computer Science Department,
Speed Scientific School, University of Louisville

COMMUNITY SERVICE

2013-2015 Coordination of visits of Perm State University professor and students for internship
with Jefferson Circuit, Family and District Courts.
2010- present Coordinate the community engagement component of CECS 311; the 311 students won
the Community Engagement award for the University several years ago.