

APPOINTMENTS	Dartmouth College, Department of Computer Science	2026 – present
	<i>Donald Knuth Professor of Computation and Just Communities</i>	
	University of California, Berkeley	2019 – 2026
	<i>Professor, School of Information</i>	
	<i>Professor, Electrical Engineering and Computer Sciences</i>	
	<i>Member, Vision Science Program</i>	
	Dartmouth College, Department of Computer Science	1999 – 2019
	<i>Albert Bradley 1915 Third Century Professor</i>	<i>2016 – 2019</i>
	<i>Department Chair</i>	<i>2015 – 2018</i>
	<i>Professor</i>	<i>2011 – 2016</i>
	<i>William H. Neukom 1964 Distinguished Professor of Computational Science</i>	<i>2008 – 2011</i>
	<i>David T. McLaughlin Distinguished Professor of Computer Science</i>	<i>2007 – 2008</i>
	<i>Professor</i>	<i>2006 – 2007</i>
	<i>Associate Professor</i>	<i>2004 – 2006</i>
	<i>Assistant Professor</i>	<i>1999 – 2004</i>
PROFESSIONAL	Dartmouth College, Tuck School of Business	2016 – 2019
	<i>Adjunct Professor of Business Administration</i>	
	Dartmouth College, Neukom Institute for Computational Science	2008 – 2011
	<i>Director</i>	
	Counter Extremism Project	2016 – present
	<i>Senior Advisor</i>	
	Cyber Civil Rights Initiative	2019 – present
	<i>Board of Directors</i>	
	GetReal Security	2022 – present
	<i>Co-founder and Chief Science Officer</i>	
	Content Authenticity Initiative	2023 – 2027
	<i>Advisor</i>	
	Coalition for Content Provenance and Authenticity	2021 – 2025
	<i>Steering Committee</i>	
	LinkedIn	2022 – 2025
EDUCATION	<i>Scholar</i>	
	Truepic, Inc.	2018 – 2025
	<i>Senior Advisor</i>	
	Fourandsix Technologies, Inc.	2011 – 2018
	<i>Co-founder & Chief Technology Officer</i>	
	Human Rights Center, University of California, Berkeley, School of Law	2019 – 2024
	<i>Advisory Board</i>	
	TikTok, USA	2020 – 2022
	<i>Content Advisory Council</i>	
	Massachusetts Institute of Technology	1997 – 1999
	<i>Postdoctoral Fellow, Brain and Cognitive Sciences (advisor: Ted Adelson)</i>	
	University of Pennsylvania	1993 – 1997
	<i>Ph.D., Computer Science (advisor: Eero Simoncelli)</i>	
	State University of New York at Albany	1990 – 1992
	<i>M.S., Computer Science</i>	
	University of Rochester	1984 – 1988
	<i>B.S., Computer Science with Applied Mathematics</i>	

PUBLICATIONS (IMPACT)	h -index=79; total citations=29,285; i1000-index=4; i500-index=14; i250-index=32; i100-index=70; i10-index=165. ¹
PUBLICATIONS (BOOK)	H. Farid. Fake Photos, MIT Press, Essential Knowledge Series, 2019. H. Farid. Photo Forensics, MIT Press, 2016.
PUBLICATIONS (JOURNAL)	A.A. McGuire, M. Bohacek, H. Farid, P. Taylor, and S.J. Nightingale. AI-Generated Faces are Becoming More Trustworthy, <i>Journal of Vision</i> , 26(7):3, 1–9, 2026. H. Farid. Mitigating the Harms of Manipulated Media: Confronting Deepfakes and Digital Deception, <i>PNAS Nexus</i> , 4(7), 2025. J. Lee, E. Booth, H. Farid, and M.A. Rizoiu. Misinformation is not about Bad Facts: An Analysis of the Production and Consumption of Fringe Content. <i>EPJ Data Science</i> , 14(50), 2025. H. Farid. The Future of Democracy in the Age of Deepfakes. <i>The Cairo Review of Global Affairs</i> , 2025. S. Barrington, E.A. Cooper, and H. Farid. People are Poorly Equipped to Detect AI-powered Voice Clones, <i>Scientific Reports</i> 15, 11004, 2025. E. Booth, J. Lee, M.A. Rizoiu, and H. Farid. Conspiracy, Misinformation, Radicalisation: Understanding the online pathway to indoctrination and opportunities for intervention. <i>Journal of Sociology</i> , 2024. M. Boháček and H. Farid. The Making of an AI News Anchor – and its Implications. <i>Proceedings of the National Academy of Sciences</i> , 121(1), 2024. E.A. Cooper, R. Casati, H. Farid, and P. Cavanagh. The Art of the Float. <i>Journal of Vision</i> , 23(8):13, 2023. Z. Epstein, A. Hertzmann, M. Akten, H. Farid, J. Fjeld, M.R. Frank, M. Groh, L. Herman, N. Leach, R. Mahari, A. Pentland, O. Russakovsky, H. Schroeder, and A. Smith. Art and the Science of Generative AI. <i>Science</i> , 380(6650):1110-1111, 2023. S. Barrington and H. Farid. A Comparative Analysis of Human and AI Performance in Forensic Estimation of Physical Attributes. <i>Scientific Reports</i> , 13(4784), 2023. M. Boháček and H. Farid. Protecting World Leaders Against Deep Fakes using Facial, Gestural, and Vocal Mannerisms. <i>Proceedings of the National Academy of Sciences</i> , 119(38), 2022. H. Farid. Creating, Using, Misusing, and Detecting Deep Fakes. <i>Journal of Online Trust and Safety</i> , 1(4), 2022. S.J. Nightingale and H. Farid. AI-Synthesized Faces are Indistinguishable from Real Faces and More Trustworthy. <i>Proceedings of the National Academy of Sciences</i> , 119(8), 2022. H. Farid. An Overview of Perceptual Hashing. <i>Journal of Online Trust and Safety</i> , 1(1), 2021. S.J. Nightingale, S. Agarwal, and H. Farid. Perceptual and Computational Detection of Face Morphing. <i>Journal of Vision</i> , 21(3):4, 2021. J. Dressel and H. Farid. The Dangers of Risk Prediction in the Criminal Justice System. <i>MIT Case</i>

¹ h -index = largest number h such that h publications have at least h citations; iN -index = number of publications with at least N citations. Citation counts according to Google Scholar as of July 2026.

Studies in Social and Ethical Responsibilities of Computing, February, 2021.

S.J. Nightingale and H. Farid. Assessing the Reliability of a Clothing-Based Forensic Identification. *Proceedings of the National Academy of Sciences*, 117(10):5176-5183, 2020.

S.J. Nightingale, K.A. Wade, H. Farid, and D.G. Watson. Can People Detect Errors in Shadows and Reflections? *Attention, Perception, & Psychophysics*, 81(8):2917-2943, 2019.

H. Farid. Image Forensics. *Annual Review of Vision Science*, 5(1):549-573, 2019.

H. Farid. Reining in Online Abuses. *Technology and Innovation*, 19(3):593-599, 2018.

J. Dressel and H. Farid. The Accuracy, Fairness, and Limits of Predicting Recidivism, *Science Advances*, 4(1):eaao5580, 2018.

B. Mader, M.S. Banks, and H. Farid. Identifying Computer-Generated Portraits: The Importance of Training and Incentives. *Perception*, 46(9):1062-1076, 2017.

K. Greenham, P. Lou, J.R. Puzey, G. Kumar, C. Arnevik, H. Farid, J. H. Willis, and C.R McClung. Geographic Variation of Plant Circadian Clock Function in Natural and Agricultural Settings. *Journal of Biological Rhythms*, 32(1):26-34, 2016.

M.J. Bravo and H. Farid. Observers Change their Target Template Based on Expected Context. *Attention, Perception, & Psychophysics*, 78(3):829-837, 2016.

O. Holmes, M.S. Banks, and H. Farid. Assessing and Improving the Identification of Computer Generated Portraits. *ACM Transactions on Applied Perception*, 13(2):7:1-7:12, 2016.

E.A. Cooper and H. Farid. Does the Sun Revolve Around the Earth? A Comparison between the General Public and On-line Survey Respondents in Basic Scientific Knowledge. *Public Understanding of Science*, 25(2):146-153, 2016.

S. Pittala, E. Whiting, and H. Farid. A 3-D Stability Analysis of Lee Harvey Oswald in the Backyard Photo. *Journal of Digital Forensics, Security and Law*, 10(3):87-98, 2015.

K. Greenham, P. Lou, S. E. Remsen, H. Farid, and C.R McClung. TRiP: Tracking Rhythms in Plants, an automated leaf movement analysis program for circadian period estimation. *Plant Methods*, 11(33):1-11, 2015.

E. Kee, J. O'Brien, and H. Farid. Exposing Photo Manipulation from Shading and Shadows. *ACM Transactions on Graphics*, 33(5):165:1-165:21, 2014.

M. Bravo and H. Farid. Informative Cues Can Slow Search: The cost of matching a specific template. *Perception*, 76(1):32-39, 2014.

E. Kee, J. O'Brien, and H. Farid. Exposing Photo Manipulation with Inconsistent Shadows. *ACM Transactions on Graphics*, 32(4):28:1-12, 2013 (presented at SIGGRAPH).

D.T. Bolger, T.A. Morrison, B. Vance, D. Lee, and H. Farid. A Computer-Assisted System for Photographic Mark-Recapture Analysis. *Methods in Ecology and Evolution*, 3(5):813-822, 2012.

J. O'Brien and H. Farid. Exposing Photo Manipulation with Inconsistent Reflections. *ACM Transactions on Graphics*, 31(1):4:1-4:11, 2012 (presented at SIGGRAPH).

H. Farid and M.J. Bravo. Perceptual Discrimination of Computer Generated and Photographic Faces. *Digital Investigation*, 8:226-235, 2012.

M.J. Bravo and H. Farid. Task Demands Determine the Specificity of the Search Template. *Attention, Perception, & Psychophysics*, 74(1):124-131, 2012.

- V. Conotter, J. O'Brien, and H. Farid. Exposing Digital Forgeries in Ballistic Motion. *IEEE Transactions on Information Forensics and Security*, 7(1):283-296, 2012.
- E. Kee and H. Farid. A Perceptual Metric for Photo Retouching. *Proceedings of the National Academy of Sciences*, 108(50):19907-19912, 2011.
- E. Kee, M. K. Johnson, and H. Farid. Digital Image Authentication from JPEG Headers. *IEEE Transactions on Information Forensics and Security*, 6(3):1066-1075, 2011.
- H. Farid. The Lee Harvey Oswald Backyard Photos: Real or Fake? *Perception*, 38(11):1731-1734, 2009.
- H. Farid. A Survey of Image Forgery Detection. *IEEE Signal Processing Magazine*, 26(2):16-25, 2009.
- L. Shen, H. Farid and M.A. McPeck. Modeling 3-Dimensional Morphological Structures using Spherical Harmonics. *Evolution*, 63(4):1003-1016, 2009.
- H. Farid. Exposing Digital Forgeries from JPEG Ghosts. *IEEE Transactions on Information Forensics and Security*, 4(1):154-160, 2009.
- M.J. Bravo and H. Farid. The Specificity of the Search Template. *Journal of Vision*, 9(1):34, 1-9, 2009.
- M.A. McPeck, L. Shen and H. Farid. The Correlated Evolution of 3-Dimensional Reproductive Structure Between Male and Female Damselflies. *Evolution*, 63(1):73-83, 2009.
- M.A. McPeck, L. Shen, J.Z. Torrey and H. Farid. The Tempo and Mode of 3-Dimensional Morphological Evolution in Male Reproductive Structures. *American Naturalist*, 171(5):E158-E178, 2008.
- M.J. Bravo and H. Farid. A Scale Invariant Measure of Image Clutter. *Journal of Vision*, 8(1):1-9, 2008.
- M.K. Johnson and H. Farid. Exposing Digital Forgeries in Complex Lighting Environments. *IEEE Transactions on Information Forensics and Security*, 2(3):450-461, 2007.
- W. Wang and H. Farid. Exposing Digital Forgeries in Interlaced and De-Interlaced Video. *IEEE Transactions on Information Forensics and Security*, 2(3):438-449, 2007.
- H. Farid and J. Kosecka. Estimating Planar Surface Orientation Using Bispectral Analysis. *IEEE Transactions on Image Processing*, 16(8):2154-2160, 2007.
- M.J. Bravo and H. Farid. The Depth of Distractor Processing in Search with Clutter. *Perception*, 36(6):821-829, 2007.
- M.J. Bravo and H. Farid. Object Recognition in Clutter. *Perception & Psychophysics*, 68(6):911-918, 2006.
- D. Rockmore, S. Lyu and H. Farid. A Digital Technique for Authentication in the Visual Arts. *International Foundation for Art Research*, (8)2:12-23, 2006.
- S. Lyu and H. Farid. Steganalysis Using Higher-Order Image Statistics. *IEEE Transactions on Information Forensics and Security*, (1)1:111-119, 2006. [IEEE SPS Best Paper Award, 2010]
- S. Periaswamy and H. Farid. Medical Image Registration with Partial Data. *Medical Image Analysis*, 10:452-464, 2006.
- A.C. Popescu and H. Farid. Exposing Digital Forgeries in Color Filter Array Interpolated Images. *IEEE Transactions on Signal Processing*, 53(10):3948-3959, 2005.
- H. Sun, K.E. Lunn, H. Farid, Z. Wu, D.W. Roberts, A. Hartov and K.D. Paulsen. Stereopsis-Guided

- Brain Shift Compensation. *IEEE Transactions on Medical Imaging*, 24(8):1039-1052, 2005.
- S. Lyu and H. Farid. How Realistic is Photorealistic? *IEEE Transactions on Signal Processing*, 53(2):845-850, 2005.
- A.C. Popescu and H. Farid. Exposing Digital Forgeries by Detecting Traces of Re-sampling. *IEEE Transactions on Signal Processing*, 53(2):758-767, 2005.
- H. Sun, D.W. Roberts, H. Farid, Z. Wu, A. Hartov and K.D. Paulsen. Cortical Surface Tracking Using a Stereoscopic Operating Microscope. *Neurosurgery*, 56:86-97, 2005.
- S. Lyu, D. Rockmore and H. Farid. A Digital Technique for Art Authentication. *Proceedings of the National Academy of Sciences*, 101(49):17006-17010, 2004.
- M.J. Bravo and H. Farid. Search For a Category Target in Clutter. *Perception*, 33:643-652, 2004.
- H. Farid and E.P. Simoncelli. Differentiation of Discrete Multi-Dimensional Signals. *IEEE Transactions on Image Processing*, 13(4):496-508, 2004.
- M.J. Bravo and H. Farid. Recognizing and Segmenting Objects in Clutter. *Vision Research*, 44(4):385-396, 2004.
- H. Sun, H. Farid, D.W. Roberts, K. Rick, A. Hartov, and K.D. Paulsen. A Non-Contacting 3-D Digitizer for Use in Image-Guided Neurosurgery. *Stereotactic and Functional Neurosurgery*, 80(1-4):120-124, 2003.
- R.H. Lilien, H. Farid and B.R. Donald. Probabilistic Disease Classification of Expression-Dependent Proteomic Data from Mass Spectrometry of Human Serum. *Journal of Computational Biology*, 10(6):925-946, 2003.
- S. Periaswamy and H. Farid. Elastic Registration in the Presence of Intensity Variations. *IEEE Transactions on Medical Imaging*, 22(7):865-874, 2003.
- M.J. Bravo and H. Farid. Object Segmentation by Top-Down Processes. *Visual Cognition*, 10(4):471-491, 2003.
- A. Heimsath and H. Farid. Hillslope Topography from Unconstrained Photographs. *Mathematical Geology*, 34(8):929-952, 2002.
- H. Farid. Temporal Synchrony in Perceptual Grouping: A Critique. *Trends in Cognitive Sciences*, 6(7):284-288, 2002.
- H. Farid and E.H. Adelson. Synchrony Does Not Promote Grouping in Temporally Structured Displays. *Nature Neuroscience*, 4(9):875-876, 2001.
- H. Farid and A.C. Popescu. Blind Removal of Lens Distortions. *Journal of the Optical Society of America*, 18(9):2072-2078, 2001.
- H. Farid. Blind Inverse Gamma Correction. *IEEE Transactions on Image Processing*, 10(10):1428-1433, 2001.
- M.J. Bravo and H. Farid. Texture Perception on Folded Surfaces. *Perception*, 30(7):819-832, 2001.
- R. van Ee, B. Anderson, and H. Farid. Occlusion Junctions do not Improve Stereoacuity. *Spatial Vision*, 15(1):45-49, 2001.
- M.J. Bravo and H. Farid. Effects of 3D Structure on Motion Segmentation. *Vision Research*, 40(6):695-704, 2000.

X. Jiang, H. Farid, E. Pistor and R. S. Farid. A New Approach to the Design of Uniquely Folded Thermally Stable Proteins. *Protein Science*, 9:403-416, 2000.

E.H. Adelson and H. Farid. Filtering Reveals Form in Temporally Structured Displays. *Science*, 286:2231, 1999.

H. Farid and E.H. Adelson. Separating Reflections from Images by use of Independent Components Analysis. *Journal of the Optical Society of America*, 16(9):2136-2145, 1999.

H. Farid and E.P. Simoncelli. Range Estimation by Optical Differentiation. *Journal of the Optical Society of America*, 15(7): 1777-1786, 1998.

E.P. Simoncelli and H. Farid. Steerable Wedge Filters for Local Orientation Analysis. *IEEE Transactions on Image Processing*, 5(9):1377-1382, 1996.

P.S. Shenkin, H. Farid and J.S. Fetrow. Prediction and Evaluation of Side-chain Conformations for Protein Backbone Structures. *Proteins: Structure, Function and Genetics*, 26:323-352, 1996.

PUBLICATIONS
(MAGAZINE)

H. Farid. How to Detect Faked Photos. *American Scientist*, March-April, 2017.

H. Farid. Seeing Is Not Believing. *IEEE Spectrum*, 46(8):44-48, 2009.

H. Farid. Digital Image Forensics. *Scientific American*, 298(6):66-71, 2008.

H. Farid. Digital Doctoring: How to tell the real from the fake. *Significance*, 3(4):162-166, 2006.

H. Farid. Digital Doctoring: How to tell the real from the fake. *Digitális Fotó Magazin*, 9:100-103, 2006.

H. Farid. Is Seeing Believing. *New Scientist*, 179(2411):38-41, 2003.

H. Farid and S. Farid. Unfolding Sennedjem's Tomb. *KMT: A Modern Journal of Ancient Egypt*, 12(1):46-59, 2001.

PUBLICATIONS
(BOOK CHAPTERS)

H. Farid. AI-Fueled Ignorance, Confusion, and Profit. In *Ignorance Unmasked: Essays in the New Science of Agnotology*, Stanford Press, 2025.

H. Farid. Artificial Intelligence: A Primer for Legal Practitioners. In *Artificial Intelligence: Legal Issues, Policy, and Practical Strategies*, American Bar Association, 2024.

H. Farid. AI-Fueled Ignorance, Confusion, and Profit. In *Agnotology II*, Stanford University Press, 2024.

H. Farid. JPEG: The Unsung Hero in the Digital Revolution. In *You Are Not Expected to Understand This: How 26 Lines of Code Changed the World*, Princeton University Press, 2022.

H. Farid. Photo Fakery and Forensics. In *Advances in Computers*, Volume 77, Academic Press, 2009.

H. Farid. Digital Doctoring: can we trust photographs? In *Deception: From Ancient Empires to Internet Dating*, Stanford University Press, 2009.

PUBLICATIONS
(REFEREED
CONFERENCE
PAPER)

J. Norman and H. Farid. Does Head Pose Correction Improve Biometric Facial Recognition? *PAVER Workshop at ICPR*, 2026.

S. Barrington, M. Bohacek, and H. Farid. The DeepSpeak Dataset, *CVPR Findings*, 2026.

S. Barrington and H. Farid. Distinguishing Authentic from AI-Generated Explosions using Spatiotemporal Dynamics, *APAI Workshop at CVPR*, 2026.

- C.E. Davodi, S. Barrington, H. Farid, and E.A. Cooper. Perceptual Judgments of Video Authenticity: An Examination of Viewing Duration, Confidence, Content, and Strategies, *APAI Workshop at CVPR*, 2026.
- J. Norman and H. Farid. Detecting Deepfake Talking Heads from Facial Biometric Anomalies, *Workshop on Synthetic & Adversarial ForEnsics at WACV*, 2026.
- M. Bohacek and H. Farid. GenAI Confessions: Black-Box Membership Inference for Generative Image Models, *ICCV Workshop on Systems-Level Trustworthiness in AI (STREAM)*, 2025.
- M. Bohacek and H. Farid. Human Action CLIPs: Detecting AI-Generated Human Motion, *IJCAI Workshop on Deepfake Detection, Localization, and Interpretability*, 2025. (Best Paper Award)
- M. Bohacek and H. Farid. Nepotistically Trained Generative Image Models Collapse, *ICLR DATA-FM Workshop*, 2025.
- G.J.A. Porcile, J. Gindi, S. Mundra, J.R. Verbus, and H. Farid, Finding AI-Generated Faces in the Wild, *Workshop on Media Forensics at CVPR*, 2024.
- M. Bohacek and H. Farid. Lost in Translation: Lip-Sync Deepfake Detection from Audio-Video Mismatch, *Workshop on Media Forensics at CVPR*, 2024.
- J. Norman and H. Farid. An Investigation into the Impact of AI-Powered Image Enhancement on Forensic Facial Recognition. *Workshop on Media Forensics at CVPR*, 2024.
- S. Barrington, R. Barua, G. Koorma, and Hany Farid. Single and Multi-Speaker Cloned Voice Detection: From Perceptual to Learned Features, *Workshop on Image Forensics and Security*, Nuremberg, Germany, 2023.
- M. Boháček and H. Farid. A Geometric and Photometric Exploration of GAN and Diffusion Synthesized Faces, *Workshop on Media Forensics at CVPR*, 2023.
- S. Mundra, G.J.A. Porcile, S. Marvaniya, J.R. Verbus, and H. Farid. Exposing GAN-Generated Profile Photos from Compact Embeddings, *Workshop on Media Forensics at CVPR*, 2023.
- N. Galstyan, J. McCauley, H. Farid, S. Ratnasamy, and S. Shenker. Global Content Revocation on the Internet: A Case Study in Technology Ecosystem Transformation, *20th ACM Workshop on Hot Topics in Networks*, Austin, TX, 2022.
- B. Levine, J.J. Kumar, H. Farid, E. Dixon, and E. Ikponmwoba. Indications of Child Sexual Abuse Revealed in App Store Reviews, *Workshop on Kids' Online Privacy and Safety at SOUPS*, 2022.
- C. Gerstner and H. Farid. Detecting Real-Time Deep-Fake Videos Using Active Illumination, *Workshop on Media Forensics at CVPR*, 2022.
- N. Thakkar, G. Pavlakos, and H. Farid. The Reliability of Forensic Body-Shape Identification, *Workshop on Media Forensics at CVPR*, 2022.
- N. Thakkar and H. Farid. On the Feasibility of 3D Model-Based Forensic Height and Weight Estimation, *Workshop on Media Forensics at CVPR*, 2021.
- S. Agarwal and H. Farid. Detecting Deep-Fake Videos from Aural and Oral Dynamics, *Workshop on Media Forensics at CVPR*, 2021.
- S. Agarwal, H. Farid, T. El-Gaaly, and S. Lim. Detecting Deep-Fake Videos from Appearance and Behavior, *IEEE Workshop on Information Forensics and Security*, 2020.
- S. Agarwal, H. Farid, O. Fried, and M. Agrawala. Detecting Deep-Fake Videos from Phoneme-Viseme Mismatches, *Workshop on Media Forensics at CVPR*, 2020.

- N. Carlini and H. Farid. Evading Deepfake-Image Detectors with White- and Black-Box Attacks, *Workshop on Media Forensics at CVPR*, 2020.
- S. Agarwal and H. Farid. Photo Forensics from Rounding Artifacts, *ACM Workshop on Information Hiding and Multimedia Security*, Denver CO, 2020.
- S. Agarwal, H. Farid, Y. Gu, M. He, K. Nagano, and H. Li. Protecting World Leaders Against Deep Fakes, *Workshop on Media Forensics at CVPR*, Long Beach, CA, 2019.
- E. A. AlBadawy, S. Lyu, and H. Farid. Detecting AI-Synthesized Speech Using Bispectral Analysis. *Workshop on Media Forensics at CVPR*, Long Beach, CA, 2019.
- P. Singh and H. Farid. Robust Homomorphic Image Hashing. *Workshop on Media Forensics at CVPR*, Long Beach, CA, 2019.
- B. Lorch, S. Agarwal, and H. Farid. Forensic Reconstruction of Severely Degraded License Plates. *IS&T Electronic Imaging*, San Francisco, CA, 2019.
- W. Fan, S. Agarwal, and H. Farid. Rebroadcast Attacks: Defenses, Reattacks, and Redefenses. *European Signal Processing Conference*, Rome, Italy, 2018.
- S. Agarwal, W. Fan, and H. Farid. A Diverse Large-Scale Dataset for Evaluating Rebroadcast Attacks. *IEEE International Conference on Acoustics, Speech and Signal Processing*, Calgary, Alberta, Canada, 2018.
- S. Agarwal and H. Farid. Photo Forensics from JPEG Dimples. *IEEE Workshop on Image Forensics and Security*, Rennes, France, 2017.
- S. Agarwal, D. Tran, L. Torresani, and H. Farid. Deciphering Severely Degraded License Plates. *SPIE Symposium on Electronic Imaging*, San Francisco, CA 2017.
- T. Carvalho, H. Farid, and E. Kee. Exposing Photo Manipulation From User-Guided 3-D Lighting Analysis. *SPIE Symposium on Electronic Imaging*, San Francisco, CA, 2015.
- V. Conotter, E. Bodnari, G. Boato, and H. Farid. Physiologically-based Detection of Computer Generated Faces in Video. *International Conference on Image Processing*, Paris, France, 2014.
- M. Kirchner, P. Winkler and H. Farid. Impeding Forgers at Photo Inception. *SPIE Symposium on Electronic Imaging*, San Francisco, CA, 2013.
- E. Kee and H. Farid. Exposing Digital Forgeries from 3-D Lighting Environments. *IEEE Workshop on Information Forensics and Security*, Seattle, WA, 2010.
- V. Conotter, G. Boato and H. Farid. Detecting Photo Manipulation on Signs and Billboards. *International Conference on Image Processing*, Hong Kong, 2010.
- H. Malik and H. Farid. Audio Forensics from Acoustic Reverberation. *International Conference on Acoustics, Speech, and Signal Processing*, Dallas, TX, 2010.
- E. Kee and H. Farid. Digital Image Authentication from Thumbnails. *SPIE Symposium on Electronic Imaging*, San Jose, CA, 2010.
- H. Farid and M.J. Bravo. Image Forensic Analyses that Elude the Human Visual System. *SPIE Symposium on Electronic Imaging*, San Jose, CA, 2010.
- W. Wang and H. Farid. Exposing Digital Forgeries in Video by Detecting Double Quantization. *ACM Multimedia and Security Workshop*, Princeton, NJ, 2009.
- E. Kee and H. Farid. Printer Profiling for Forensics and Ballistics. *ACM Multimedia and Security*

Workshop, Oxford, UK, 2008.

W. Wang and H. Farid. Detecting Re-Projected Video. *10th International Workshop on Information Hiding*, Santa Barbara, CA, 2008.

M.K. Johnson and H. Farid. Detecting Photographic Composites of People. *6th International Workshop on Digital Watermarking*, Guangzhou, China, 2007.

W. Wang and H. Farid. Exposing Digital Forgeries in Video by Detecting Duplication. *ACM Multimedia and Security Workshop*, Dallas, TX, 2007.

M.K. Johnson and H. Farid. Exposing Digital Forgeries Through Specular Highlights on the Eye. *9th International Workshop on Information Hiding*, Saint Malo, France, 2007.

H. Farid. Exposing Digital Forgeries in Scientific Images. *ACM Multimedia and Security Workshop*, Geneva, Switzerland, 2006.

W. Wang and H. Farid. Exposing Digital Forgeries in Video by Detecting Double MPEG Compression. *ACM Multimedia and Security Workshop*, Geneva, Switzerland, 2006.

M.K. Johnson and H. Farid. Exposing Digital Forgeries Through Chromatic Aberration. *ACM Multimedia and Security Workshop*, Geneva, Switzerland, 2006.

M.K. Johnson and H. Farid. Exposing Digital Forgeries by Detecting Inconsistencies in Lighting. *ACM Multimedia and Security Workshop*, New York, NY, 2005.

S. Lyu, D. Rockmore, and H. Farid. Wavelet Analysis for Authentication. *Art + Math = X*, Boulder, CO, 2005.

J.E. Dobson, J.B. Woodward, S.A. Schwarz, J.C. Marchesini, H. Farid, and S.W. Smith. The Dartmouth Green Grid. *Workshop on High Performance Computing in Academia (in conjunction with International Conference on Computational Science)*, Atlanta, GA, 2005.

M.K. Johnson, S. Lyu and H. Farid. Steganalysis in Recorded Speech. *SPIE Symposium on Electronic Imaging*, San Jose, CA, 2005.

A.C. Popescu and H. Farid. Statistical Tools for Digital Forensics. *6th International Workshop on Information Hiding*, Toronto, CA, 2004.

S. Lyu and H. Farid. Steganalysis Using Color Wavelet Statistics and One-Class Support Vector Machines. *SPIE Symposium on Electronic Imaging*, San Jose, CA, 2004.

H. Sun, H. Farid, K. Rick, A. Hartov, D.W. Roberts, and K.D. Paulsen. Estimating Cortical Surface Motion Using Stereopsis for Brain Deformation Models. *Medical Image Computing & Computer Assisted Intervention (MICCAI)*, Montreal, Canada, 2003.

J. Ford, H. Farid, F. Makedon, L.A. Flashman, T.W. McAllister, V. Megalooikonomou, and A.J. Saykin. Patient Classification of fMRI Activation Maps. *Medical Image Computing & Computer Assisted Intervention (MICCAI)*, Montreal, Canada, 2003.

S. Periaswamy and H. Farid. Elastic Registration with Partial Data. *Second International Workshop on Biomedical Image Registration*, Philadelphia, PA, 2003.

H. Farid and S. Lyu. Higher-order Wavelet Statistics and their Application to Digital Forensics. *IEEE Workshop on Statistical Analysis in Computer Vision (in conjunction with CVPR)*, Madison, Wisconsin, 2003.

S. Lyu and H. Farid. Detecting Hidden Messages Using Higher-Order Statistics and Support Vector Machines. *5th International Workshop on Information Hiding*, Noordwijkerhout, The Netherlands,

2002.

H. Farid. Detecting Hidden Messages Using Higher-Order Statistical Models. *International Conference on Image Processing*, Rochester, NY, 2002.

H. Sun, H. Farid, A. Hartov, K.E. Lunn, D.W. Roberts, K.D. Paulsen. Real-time Correction Scheme for Calibration and Implementation of Microscope-based Image-guided Neurosurgery. *SPIE's International Symposium on Medical Imaging*, San Diego, CA, 2002.

H. Farid and A.C. Popescu. Blind Removal of Image Non-Linearities. *International Conference on Computer Vision (ICCV)*, Vancouver, Canada, 2001.

H. Farid. Reconstructing Ancient Egyptian Tombs. *The International Symposium on Virtual and Augmented Architecture*, Dublin, Ireland, 2001.

S. Periaswamy, J.B. Weaver, D.M. Healy Jr., D. Rockmore, P.J. Kostelec, and H. Farid. Differential Affine Motion Estimation for Medical Image Registration. *SPIE's 45th Annual Meeting*, San Diego, CA, 2000.

H. Farid and E.H. Adelson. Separating Reflections and Lighting in Images Using Independent Components Analysis. *Computer Vision and Pattern Recognition (CVPR)*, June 1999.

H. Farid and E.P. Simoncelli. Optimally Rotation-Equivariant Directional Derivative Kernels. *Computer Analysis of Images and Patterns (CAIP)*, Kiel, Germany, 1997.

H. Farid and E.P. Simoncelli. A Differential Optical Range Camera. *Optical Society of America*, Rochester, NY, 1996.

E.P. Simoncelli and H. Farid. Direct Differential Range Estimation Using Optical Masks. *European Conference on Computer Vision (ECCV)*, Cambridge, UK, 1996.

E.P. Simoncelli and H. Farid. Steerable Wedge Filters. *International Conference on Computer Vision (ICCV)*, Boston, MA, 1995.

H. Fuchs, G. Bishop, K. Arthur, L. McMillan, R. Bajcsy, S.W. Lee, H. Farid and T. Kanade. Virtual Space Teleconferencing Using a Sea of Cameras. *First International Symposium on Medical Robotics and Computer Assisted Surgery*, Pittsburgh, PA, 1994.

K. Arthur, G. Bishop, R. Bajcsy, H. Farid, H. Fuchs, S.W. Lee, L. McMillan and A. State. Virtual Reality and Telepresence for 21st Century Remote Medical Consultation. *Second Carolina Conference in Biomedical Engineering*, 1994.

PUBLICATIONS
(CONFERENCE
ABSTRACT)

A. McGuire, M. Bohacek, H. Farid, P. Taylor, S. Nightingale. How Realistic are AI-generated Faces? *European Conference on Visual Perception*, 2024.

S. Barrington and H. Farid. Perceptual Estimates of the Physical Attributes of People in Photographs. *Vision Sciences*, 2023.

S.J. Nightingale and H. Farid. Synthetic Faces Are More Trustworthy Than Real Faces. *Vision Sciences*, 2022.

S.J. Nightingale, S. Agarwal, E. Härkönen, J. Lehtinen, and H. Farid. Synthetic Faces: how perceptually convincing are they? *Vision Sciences*, 2021.

S.J. Nightingale, S. Agarwal, and H. Farid. Can We Detect Face Morphing to Prevent Identity Theft? *Vision Sciences*, 2020.

S.J. Nightingale, K. Wade, H. Farid, and D. Watson. Can Shadows and Reflections Help in the Detection of Photo Forgeries? *Society for Applied Research in Memory and Cognition*, Sydney, Australia,

2017.

D. Finnegan, G. Hamilton, L. Stearns, A. LeWinter, H. Farid, and H. Renedo. Tidewater Glacier Velocities from Repeat Ground-Based Terrestrial LiDAR Scanning; Helheim Glacier, Southeast Greenland. *Transactions of the American Geophysical Union*, San Francisco, CA, 2014.

M.J. Bravo and H. Farid. Search Templates Can be Adapted to the Context, but Only for Unfamiliar Targets. *Vision Sciences*, St. Pete Beach, FL, 2014.

M.J. Bravo and H. Farid. Symbolic Distractor Cues Facilitate Search. *Vision Sciences*, Naples, FL, 2012.

M.J. Bravo and H. Farid. Diagnostic Features are Prominent in Object Representations. *Vision Sciences*, Naples, FL, 2011.

D.T. Bolger, T. Morrison, B. Vance and H. Farid. Development and Application of a Computer-Assisted System for Photographic Mark-Recapture Analysis. *Ecological Society of America*, Pittsburgh, PA, 2010.

D.T. Bolger, T. Morrison, B. Vance and H. Farid. A New Software Application for Photographic Mark Recapture Analysis. *Society for Conservation Biology*, Edmonton Alberta, Canada, 2010.

H. Farid and M.J. Bravo. Photo Forensics: How Reliable is the Visual System? *Vision Sciences*, Naples, FL, 2010.

M.J. Bravo and H. Farid. Training Determines the Target Representation for Search. *Vision Sciences*, Naples, FL, 2009.

H. Farid. Digital Image Forensics. *American Academy of Forensic Sciences*, Washington, DC, 2008.

H. Farid. Digital Video Forensics. *American Academy of Forensic Sciences*, Washington, DC, 2008.

H. Farid and M.J. Bravo. Photorealistic Rendering: How Realistic Is It? *Vision Sciences*, Sarasota, FL, 2007.

M.J. Bravo and H. Farid. A Measure of Relative Set Size for Search in Clutter. *Vision Sciences*, Sarasota, FL, 2007.

D.C. Finnegan, H. Farid, D.E. Lawson and W. Krabill. Quantifying Surface Fluctuations using Optical Flow Techniques and Multi-Temporal LiDAR. *Transactions of the American Geophysical Union*, San Francisco, CA, 2006.

M.J. Bravo and H. Farid. Using an Interest Point Detector to Find Potential Fragments for Recognition. *Vision Sciences*, Sarasota, FL, 2006.

V. Maljkovic, P. Martini and H. Farid. The Contribution of Statistical Image Differences to Human Rapid Categorization of Natural Scenes is Negligible. *Vision Sciences*, Sarasota, FL, 2006.

H. Farid and D.C. Finnegan. Quantifying Planetary and Terrestrial Geologic Surfaces Using Wavelet Statistics. *Transactions of the American Geophysical Union*, San Francisco, CA, 2005.

M.J. Bravo and H. Farid. The Depth of Distractor Processing in Search Through Clutter. *Vision Sciences*, Sarasota, FL, 2005.

M.J. Bravo and H. Farid. Still Searching a Cluttered Scene. *Vision Sciences*, Sarasota, FL, 2004.

V. Maljkovic, P. Martini and H. Farid. The Time-Course of Categorization of Real-Life Scenes with Affective Content. *Vision Sciences*, Sarasota, FL, 2004.

H. Sun, H. Farid D. Roberts, K. Rick, A. Kartov, and K. Paulsen. A Non-contacting 3-D Digitizer For Use in Image-Guided Neurosurgery. *American Society for Stereotactic and Functional Neurosurgery*, New York City, 2003.

M.J. Bravo and H. Farid. Searching a Cluttered Scene. *Vision Sciences*, Sarasota, FL, 2003.

A.M. Heimsath and H. Farid. Hillslope Topography from Unconstrained Photographs. *Transactions of the American Geophysical Union*, San Francisco, CA, 2002.

H. Farid and E.H. Adelson. Energy versus Synchrony in Perceptual Grouping. *Vision Sciences*, Sarasota, FL, 2002.

M.J. Bravo and H. Farid. Segmentation in Clutter. *Vision Sciences*, Sarasota, FL, 2002.

S. Inati, H. Farid, K. Sherwin, and S. Grafton. A Global Probabilistic Approach to Fiber Tractography with Diffusion Tensor MRI. *Human Brain Mapping*, Brighton, UK, 2001.

M.J. Bravo and H. Farid. Top-Down and Bottom-Up Processes for Object Segmentation. *Vision Sciences*, Sarasota, FL, 2001.

J.B. Weaver, S. Periaswamy, H. Farid, D.N. Rockmore, C.J. Kasales, W. Black, and D.M. Healy Jr. Lesion Size Estimation Using Warped Registration of Interval Images. *International Society for Magnetic Resonance in Medicine*, 2001.

H. Farid and E.H. Adelson. Standard Mechanisms Can Explain Grouping in Temporally Synchronous Displays. *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 2000.

M.J. Bravo and H. Farid. The Role of Object Recognition in Scene Segmentation. *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 2000.

M.J. Bravo and H. Farid. Segmentation in 3D. *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 1999.

M.J. Bravo and H. Farid. The Effects of 2D and 3D Smoothness on Motion Segmentation. *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 1998.

H. Farid, E.P. Simoncelli, M.J. Bravo and P.R. Schrater. Effects of Contrast and Period on Perceived Coherence of Moving Square-Wave Plaids (evidence for a speed bias in the human visual system). *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 1995.

H. Farid and E.P. Simoncelli. The Perception of Transparency in Moving Square-Wave Plaids. *Investigative Ophthalmology and Visual Science*, Sarasota, FL, 1994.

H. Farid, P.S. Shenkin, J. Greene and J.S. Fetrow. Prediction of Side Chain Conformations in Protein Cores and Loops From Rotamer Libraries. *ASBMB/Biophysical Society Joint Meeting*, Houston, TX, 1992.

PUBLICATIONS (OP-ED)

S. Barrington and H. Farid. OpenAI Closing Its One-Stop AI Slop Shop Sora Is a Cautionary Tale, *Tech Policy Press*, 2026

H. Farid. Why the Fake Biden Videos Flooding Social Media are More Insidious than they Appear, *MSNBC*, 2024

H. Farid. A Forensics Expert on Princess Kate's Photo, *Time Magazine*, 2024

H. Farid. Why Are There So Many Images of Child Abuse Stored on iCloud? Because Apple Allows it, *San Francisco Chronicle*, 2023

H. Farid Yes, We Should Regulate AI-Generated Political Ads – Bug Don't Stop There, *The Hill*,

2023

H. Farid. Watermarking ChatGPT, DALL-E and Other Generative AIs Could Help Protect Against Fraud and Misinformation, *The Conversation*, 2023.

H. Farid and B. M. Nonnecke. The Case for Regulating Platform Design, *Wired*, 2023.

H. Farid. Text-to-Image AI: Powerful, Easy-to-Use Technology for Making Art – and Fakes, *The Conversation*, 2022.

D. K. Citron and H. Farid. This Is the Worst Time for Donald Trump to Return to Twitter, *Slate*, 2022.

H. Farid. Don't Let Fearmongering Derail a New Law That Has Real Teeth to Protect Kids' Privacy, *Gizmodo*, 2021.

H. Farid. Should we Celebrate or Condemn Apple's New Child Protection Measures?, *Newsweek*, 2021.

D. K. Citron and H. Farid. The Case for Trump's Permanent Ban From Social Media, *Slate*, 2021.

H. Farid and J. McGregor. We Have the Technology to Fight Manipulated Images and Videos. It's Time to Use it, *Fast Company*, 2020.

H. Farid. Congress Needs to Make Silicon Valley EARN IT, *Wired*, 2020.

H. Farid and M. Falco. Google Is Not Cracking Down on the Most Dangerous Drug in America, *Newsweek*, 2020.

H. Farid. Facebook's Encryption Makes it Harder to Detect Child Abuse, *Wired*, 2019.

H. Farid. Deepfakes Give New Meaning to the Concept of 'fake news,' and They're Here to Stay, *Fox News*, 2019.

H. Farid. Facebook's Plan for End-to-End Encryption Sacrifices a Lot of Security for Just a Little Bit of Privacy, *Fox News*, 2019.

H. Farid and M. Wallace. Tech Companies Must Act to Stop Horrific Exploitation of their Platforms. *The Hill*, 2019.

B. Winder, and H. Farid. YouTube's Paedophile Problem is Only a Small Part of the Internet's Issue with Child Sexual Abuse. *The Conversation*, 2019.

H. Farid. Facebook, YouTube and Social Media are Failing Society: Pull their ads until they change. *USA Today*, 2019.

H. Farid. Don't be Fooled by Fake Images and Videos Online. *The Conversation*, 2019.

H. Farid. Reining in a Morally Bankrupt Technology Sector. *Our World*, 2019.

H. Farid. Recruiting Terrorists: We're losing the fight against online extremism – here's why, *The Hill*, 2018.

H. Farid. Verifying #BigTech Promises. *EUReporter*, 2018.

H. Farid. Are Universities Fueling Silicon Valley Crisis?, *Union Leader*, 2018.

H. Farid. Are Internet Companies Complicit in Promoting Hateful and Harmful Content?, *New Europe*, 2017.

H. Farid. Technology Sector Should not be Shielding Sex Traffickers Online, *The Hill*, 2017.

H. Farid. Internet Companies Right to Close Neo-Nazi Sites, but Terror Still too Easy to Find, *The Hill*, 2017.

PUBLICATIONS (MISCELLANEOUS) R. Wexler, S. Barrington, E. Cooper, and H. Farid. AI-Generated Voice Evidence Poses Dangers in Court, *Lawfare*, 2025.

H. Farid. On Algorithmic Amplification (in response to "Disinformed"), *Inference*, 6(1), 2021.

H. Farid. Protecting Children Online: The Past, Present, and Future, *The Future of Childhood in the Digital World*, 2021.

R. Chesney, D. Citron, and H. Farid. All's Clear for Deepfakes: Think Again, *Lawfare*, 2020.

H. Farid. Image Forensics. *Computer Vision: A Reference Guide*, 2020.

H. Farid. The Dystopian Digital Future of Fake Media. *Quartz*, 2018. (commentary)

H. Farid. Digital Forensics in a Post-Truth Age. *Forensic Science International*, 289: 268-269, 2018. (commentary)

H. Farid. Man Versus Machine: How do we make technology work better for us – start with tech companies, *Vice*, 2017. (commentary)

H. Farid. Digital Imaging, *Encyclopedia of Perception*, 2009.

H. Farid. Photography Changes What We are Willing to Believe, *Smithsonian Photography Initiative: Click! Photography Changes Everything*, 2008.

PUBLICATIONS (PREPRINT) S. Barrington, M. Bohacek, and H. Farid. The DeepSpeak Agentic Dataset, arXiv:2606.03686, 2026.

S. Barrington, M. Bohacek, and H. Farid. The DeepSpeak Dataset, arXiv:2408.05366, 2024.

J. Norman, S. Agarwal, and H. Farid. An Evaluation of Forensic Facial Recognition. arXiv:2311.06145, 2023.

Z. Epstein, A. Hertzmann, M. Akten, H. Farid, J. Fjeld, M.R. Frank, M. Groh, L. Herman, N. Leach, R. Mahari, A. Pentland, O. Russakovsky, H. Schroeder, and A. Smith. Art and the Science of Generative AI: A Deeper Dive. arXiv:2306.04141, 2023.

H. Farid. Lighting (In)consistency of Paint by Text. arXiv:2207.13744, 2022.

H. Farid. Perspective (In)consistency of Paint by Text. arXiv:2206.14617, 2022.

M. Boháček and H. Farid. Protecting President Zelenskyy Against Deep Fakes. arXiv:2206.12043, 2022.

S. J. Nightingale and H. Farid. Examining the Global Spread of COVID-19 Misinformation. arXiv: 2006.08830, 2020.

E.A. Cooper and H. Farid A Toolbox for the Radial and Angular Marginalization of Bivariate Normal Distributions, arXiv: 2005.09696, 2020.

M. Faddoul, G. Chaslot, and H. Farid. A Longitudinal Analysis of YouTube's Promotion of Conspiracy Videos. arXiv: 2003.03318, 2020.

P. Raiturkar, H. Farid, and E. Jain. Identifying Computer-Generated Portraits: An Eye Tracking Study. University of Florida, August 2018.

S. Agarwal and H. Farid. A JPEG Corner Artifact from Directed Rounding of DCT Coefficients. TR2018-838, Department of Computer Science, Dartmouth College, February 2018.

W. Fan and H. Farid. A Statistical Prior for Photo Forensics: Object Removal. TR2017-837, Department of Computer Science, Dartmouth College, October 2017.

H. Farid. A 3-D Lighting and Shadow Analysis of the JFK Zapruder Film (Frame 317). TR2010-677, Department of Computer Science, Dartmouth College, November 2010.

H. Farid. A 3-D Photo Forensic Analysis of the Lee Harvey Oswald Backyard Photo. TR2010-669, Department of Computer Science, Dartmouth College, May 2010.

E. Kee and H. Farid. Detecting Photographic Composites of Famous People. TR2009-656, Department of Computer Science, Dartmouth College, October 2009.

H. Farid. Digital Image Ballistics from JPEG Quantization: A Followup Study. TR2008-638, Department of Computer Science, Dartmouth College, September 2008.

H. Farid and J.B. Woodward. Video Stabilization and Enhancement. TR2007-605, Department of Computer Science, Dartmouth College, September 2007.

H. Farid. Digital Image Ballistics from JPEG Quantization. TR2006-583, Department of Computer Science, Dartmouth College, September 2006.

K. Johnson and H. Farid. Metric Measurements on a Plane from a Single Image. TR2006-579, Department of Computer Science, Dartmouth College, August 2006.

H. Farid. Discrete-Time Fractional Differentiation from Integer Derivatives. TR2004-528, Department of Computer Science, Dartmouth College, December 2004.

H. Farid. Creating and Detecting Doctored and Virtual Images: Implications to The Child Pornography Prevention Act. TR2004-518, Department of Computer Science, Dartmouth College, October 2004.

A.C. Popescu and H. Farid. Exposing Digital Forgeries by Detecting Duplicated Image Regions. TR2004-515, Department of Computer Science, Dartmouth College, September 2004.

S. Lyu, D. Rockmore, and H. Farid. Digital Art Forensics. TR2003-466, Department of Computer Science, Dartmouth College, June 2003.

H. Farid. Detecting Steganographic Messages in Digital Images. TR2001-412, Department of Computer Science, Dartmouth College, September 2001.

S. Periaswamy and H. Farid. Differential Elastic Image Registration. TR2001-413, Department of Computer Science, Dartmouth College, September 2001.

H. Farid. Detecting Digital Forgeries Using Bispectral Analysis. MIT AI Memo 1657, June 1999.

H. Farid, S.W. Lee, and R. Bajcsy. View Selection Strategies for Multi-View, Wide-Baseline Stereo. Technical Report, Department of Computer Science, University of Pennsylvania, 1994.

PATENTS

Photo Forensics Using Image Signatures (9,031,329), 2015
 Detecting Image Inconsistencies (8,965,106), 2015
 Device and Method for Detecting Dust on an Image Sensor (8,654,217), 2014
 Perceptual Rating Of Digital Image Retouching (14/359,169), 2014
 Device and Method for Detecting Whether an Image is Blurred (8,538,140), 2013
 Single Lens Range Imaging Method and Apparatus (5,703,677), 1997

FUNDING

Oak Foundation, *Quantifying In-App Toxicity and Child Exploitation*, (125K), Co-PI, 2025

YouTube, *Detecting Deep Fakes* (85K), 2024
 UC Noyce Initiative, *Protecting Against Malicious Generative AI* (300K), 2023
 YouTube, *Detecting Deep Fakes* (85K), 2023
 Adobe, *Detecting Deep Fakes* (20K), 2023
 Meta, *Detecting Deep Fakes* (100K), 2022
 Oak Foundation, *Quantifying In-App Toxicity and Child Exploitation*, (250K), Co-PI, 2021
 CITRIS & Banatao Institute, *Identifying and Quantifying COVID-19 Misinformation*, (50K), 2020
 Avast, *Detecting Fake News*, (175K), 2020, 2021
 Facebook. *Multimedia Tamper Detection*, (1.2M), 2019
 Google. *Exploiting Physiological Signals to Expose AI-Generated Fake Videos*, (50K), Co-PI, 2019
 DARPA. *Photons, Pixels, Photoshop and the Internet*, (929K), Co-PI, 2016
 National Institute of Justice. *Degrade It*, (124K), 2016
 NVIDIA Corp. *How Realistic is Photorealistic?*, (Equipment Grant), 2015
 National Science Foundation. *GridIron* (474K), Co-PI, 2012
 National Science Foundation. *Instrument Development for Biological Research* (212K), Co-PI, 2008
 National Science Foundation. *Digital Imaging Laboratory at Dartmouth* (427K), 2007
 Department of Homeland Security. *Digital Video Forensics* (255K), 2007
 Howard Hughes Medical Institute. *Undergraduate Science Education* (1.5M), Co-PI, 2006
 United States Air Force. *Digital Image Forensics* (380K), 2006
 National Science Foundation. *The Evolution of Mate Choice in Damsel Flies* (535K), Co-PI, 2005
 Bureau of Justice Assistance. *Digital Image Forensics* (125K), 2005
 Microsoft Corp. (375K), 2005, 2006, 2007, 2009, 2016
 Adobe Systems, Inc. (110K), 2004, 2006, 2008
 National Institute of Justice. *Digital Tampering and Secrets* (690K), 2003
 National Institute of Justice. *Detecting Digital Tampering* (250K), 2000
 National Science Foundation. *CAREER: Mixing and Separating Digital Images* (315K), 2000

PODCASTS

How to Fight AI Slop, *PBS News Hour*, 3.9.26
 Can Europe rely on Silicon Valley in the age of Trump tariffs?, *The Times Tech Podcast*, 1.23.26
 The Deepfake Detective, *NOVA*, 8.25.25
 How Fake Videos Are Adding to the Fog of War, *CNN's Terms of Service with Clare Duffy*, 7.15.25
 The Deep Trouble of Deepfake: What Can or Should We Do? *Harvard Data Science Review*, 5.30.25
 Arachnid: Hunting the Web's Darkest Secrets, *TVO Today*, 5.25.25
 Deepfakes and the Rise of AI-Enabled Crime with Hany Farid, *TRM Talks*, 2.26.25
 AI Voice Scams are on the Rise. Here's How You Stay Safe, *CNN's Terms of Service with Clare Duffy*, 1.24.25
 The Dolus Deception: Deepfake Technology and the Fight Against Falsehood & Disinformation, *The Trident*, 10.23.24
 The Trouble with Deepfakes: Liar's Dividend, *FT Tech Tonic*, 8.22.24
 AI is a Misinformation Amplifier, *The Times' Danny in the Valley*, 7.11.24
 Deepfakes and the 2024 Election, *Night of Ideas with Mina Kim*, 3.15.24
 The Threat Of Deepfakes in The 2024 Election, *Diane Rehm*, 2.1.24
 Why AI Keeps Getting Better at Making Fake Images, *Wall Street Journal's The Future of Everything*, 1.19.24
 Here's Why Actors Are So Worried About AI, *Scientific American*, 7.26.23
 With AI, We're Making the Same Mistakes That We Did With Social Media, *The Times' Danny in the Valley*, 6.8.23
 Will Killing Section 230 Kill the Internet?, *On With Kara Swisher*, 2.23.23
 Deepfake Hoaxes, Meta-averse and Jason Punk'd, Really? No Really? with Jason Alexander & Peter Tilden, 2.28.23
 Will Killing Section 230 Kill the Internet?, *On with Kara Swisher*, 2.24.23
 Musk's Twitter Takeover and the State of Social Media, *The Times' Danny in the Valley*, 5.5.22
 Can Data Science Help Us Combat Disinformation?, *Harvard Data Science Review*, 9.29.21
 The Deepfake Detective, *Should This Exist*, 10.14.20
 Deepfakes and the Future of Truth, *Brave New Planet*, 10.12.20
 Deep Fakes, *The Full Fact*, 10.05.20
 Hany Farid on Deep Fakes, Doctored Photos and Disinformation, *Lawfare*, 7.23.20
 Misinformation Apocalypse, *Stay Tuned with Preet Bharara*, 3.5.20
 TechPlomacy Talk with the Danish Tech Ambassador, 7.22.19

IN THE NEWS (SELECTED)

The World's Leading Deepfake Expert No Longer Trusts His Own Eyes, *New York Times*, 6.14.26

When Reality is in Doubt, News Editors Ask This Berkeley Professor: Is it AI?, *San Francisco Chronicle*, 6.9.26

Deepfakes are Everywhere. The Godfather of Digital Forensics is Fighting Back, *Science*, 4.30.26

OpenAI's Sora app may be going away, but its legacy will be the spread of AI video slop, *NPR, All Things Considered*, 3.25.26

A Deepfake Can Ruin You Before Breakfast *Scientific American*, 2.17.26

Deepfakes Are Everywhere. What Can We Do? *NPR Science Friday*, 1.22.26

Why Does AI-generated Content Spike During News Events? *PBS NewsHour*, 1.14.26

Can We Even Trust Videos Anymore?, *NPR, On Point*, 12.15.25

Does a Picture Prove Anything Anymore?, *NPR, On Point*, 1.13.25

How AI Deepfakes Polluted Elections in 2024, *NPR*, 12.21.24

Deepfakes, AI and the Battle for Democracy, *Zeteo*, 11.9.24

No One Is Ready for Digital Immortality, *The Atlantic*, 7.31.24

A.I. Revolution, *NOVA*, 3.27.24

AI Audio Deepfakes Are Quickly Outpacing Detection, *Scientific American*, 1.26.24

A.I. & The Future of Humanity, *The Whole Story with Anderson Cooper*, 12.3.24

AI's Disinformation Problem, *Bloomberg News*, 10.4.23

How Real is the Threat of AI Deepfakes in the 2024 Election?, *NPR Weekend Edition*, 7.30.23

Reality Wars: Deepfakes and National Security, *NPR, On Point*, 6.7.23

Deepfakes Are Getting Better, *KQED, The Forum*, 10.16.23

CNN Correspondent Calls His Mom Using Deepfake Audio, *CNN, Anderson Cooper 360*, 3.8.23

Child Sexual Abuse Material is on the Rise Online. *NPR, On Point*, 2.16.23

AI Spots Deepfake Videos of Ukrainian President Volodymyr Zelenskyy, *New Scientist*, 12.7.22

DALL-E, Deepfakes and the New Frontier of Online Misinformation, *KQED, The Forum*, 8.26.22

As Tech Evolves, Deepfakes Will Become Even Harder to Spot, *NPR, Weekend Edition Sunday*, 7.3.22

A Catastrophic Failure: Computer scientist Hany Farid on why violent videos circulate on the internet, *The Guardian*, 5.19.22

Humans Find AI-Generated Faces More Trustworthy Than the Real Thing, *Scientific American*, 2.14.22

Why People Think this Photo of JFK's Killer is Fake, *Vox Darkroom*, 9.2.21

Deepfake Videos are Becoming Easier to Make but Dangerously Difficult to Identify *ABC Nightline*, 3.19.21

Slick Tom Cruise Deepfakes Signal That Near Flawless Forgeries May Be Here, *NPR, All Things Considered*, 3.11.21

Denim, as a Crime-Solving Tool, Has Holes, *New York Times*, 4.8.20

Can YouTube Quiet Its Conspiracy Theorists?, *New York Times*, 3.2.20

A Key FBI Photo Analysis Method Has Serious Flaws, Study Says, *ProPublica*, 2.25.20

The Rise of Deepfakes, *The Times*, 12.30.19

What Might Happen In Tech Over The Next Decade, *NPR, All Things Considered*, 12.25.19

Digitally Altered "Deepfake" Videos a Growing Threat as 2020 Election Approaches, *NBC Nightly News*, 12.16.19

WIRED25: Stories of People Who Are Racing to Save Us, *Wired*, 10.15.19

Deep Thoughts About Deepfakes, *Make Me Smart, Marketplace*, 9.3.19

Are Deepfakes the Next Fake News?, *WNYC, The Takeaway*, 7.22.19

The Rise Of Deepfakes: Things Are Not What They Appear To Be, *NPR, On Point*, 6.20.19

New Software Could Detect Deepfakes, *CBS This Morning*, 6.17.19

The Fight to Stay Ahead of Deepfake Videos Before the 2020 US Election, *CNN*, 6.12.19

After Doctored Pelosi Video, Expert Warns of Unchecked 'Misinformation Campaigns', *PolitiFact*, 5.28.19

Digital Forensics Expert Weighs In On Doctored Video Of House Speaker Nancy Pelosi, *NPR, All Things Considered*, 5.24.19

The Fight to Stay Ahead of Deepfake Videos before the 2020 US Election, *CNN*, 4.26.19

Leading Anti-Terror Technologist Says Facebook Failed In Its Response To Mosque Shootings, *NPR, All Things Considered*, 3.22.19

'Deepfake' Videos: How to Spot Them and Why They're Dangerous, *KQED, The Forum*, 3.15.19

Facebook Challenged to Rein in Extremism, *CBS*, 2.12.19

Information Warfare, *CNN*, 1.31.19

When Seeing is No Longer Believing, *CNN*, 1.28.19

Looks Can Be Deceiving: Deepfakes, *Pew Charitable Trust, After the Fact*, 1.18.19

In the Age of A.I., Is Seeing Still Believing?, *The New Yorker*, 11.12.18

Deepfake Videos are Getting Real and That's a Problem, *Wall Street Journal*, 10.15.18

Tracking Down Fake Videos, *NPR, All Things Considered*, 9.25.18

YouTube is Still Failing to Take Down Jihadi Propaganda, *Daily Mail*, 7.24.18
 The Fight Against 'Deepfake' Videos, *CBC, The Current*, 7.21.18
 The Most Creative People in Business 2018, *Fast Company*, 5.30.18
 Removing Online Extremist Content, *Bloomberg News*, 4.4.18
 Would a Global Cyber Ethics Commission Help 'counter the lies' of Tech?, *Deutsche Welle*, 3.27.18
 Pattern of 'denial and inaction' in Tech Firms' Response to Misuse, *The Straits Times*, 3.27.18
 Is Hate in America Fueling Fake News, *CNN*, 3.21.18
 Expert Warns of "Terrifying" Potential of Digitally-Altered Video, *CBS This Morning*, 3.12.18
 Combating Extremism Online, *The Open Mind, PBS*, 3.3.18
 'Deep fakes': How to know what's true in the fake-Obama video era, *ABC News (Australia)*, 3.3.18
 Are Computers Better than People at Predicting Crime?, *Science News*, 2.20.18
 Do Predictive Algorithms Have A Place In Public Policy?, *Science Friday*, 1.19.18
 Can Software Predict Crime? Maybe So, but No Better Than a Human, *New York Times*, 1.19.18
 Algorithms that Change Lives Should be Trialled Like New Drugs, *New Scientist*, 1.18.18
 A Popular Algorithm Is No Better at Predicting Crimes Than Random People, *The Atlantic*, 1.17.18
 Are Programs Better Than People at Predicting Reoffending?, *The Economist*, 1.17.18
 Does Big Data Belong in Courtrooms?, *Pacific Standard*, 1.17.18
 Crime-Predicting Algorithms May Not Fare Much Better Than Untrained Humans, *Wired*, 1.17.18
 Technology Can't Rescue Us From AI-Generated Fake News, *Wired*, 1.9.18
 New Hampshire's People of the Year, *NH Magazine*, 12.1.17
 Social Media Companies Can Block Foreign Interference, *NPR, All Things Considered*, 11.4.17
 The Scientist Who Spots Fake Videos, *Nature*, 10.6.17
 Breaking News, *Radiolab*, 7.28.17
 Spot Faked Photos Using Digital Forensic Techniques, *Popular Science*, 7.21.17
 The Hidden Signs That Reveal a Fake Photo, *BBC*, 6.30.17
 Cyberethics & The Digital Bystander, *NHPR, The Exchange*, 6.12.17
 Tech Firms Resisting Free Anti-Extremist Algorithm, *CNN, The Lead With Jake Tapper*, 6.5.17
 How Tech Isn't Stopping Terror, *On The Media*, 5.27.17
 When Hatred Goes Viral, *Scientific American*, 5.24.17
 Facebook isn't Doing Enough to Control Violent Posts *CBC, The Current*, 4.28.17
 Inside YouTube's Battle Against the Internet's Darkest Corners, *Bloomberg*, 3.30.17
 How Algorithms Can Help Beat Islamic State, *Wall Street Journal*, 3.11.17
 Fighting Digital Depravity, *Enterprise Magazine, Valley News*, 2.27.17
 There's an Algorithm to Fight Online Extremism, *Science Friday*, 1.27.17
 Tech Companies Announce Plan to Identify Extremist Content, *NPR, All Things Considered*, 12.6.16
 Blocking Terrorist Propaganda, *NHPR, Word of Mouth*, 8.30.16
 How The War on Child Porn is Helping us Fight ISIS Propaganda, *Huffington Post*, 7.8.16
 Software Looks to Stop The Spread of Extremist Videos, *VPR's Morning Edition*, 7.5.16
 Using New Technologies To Fight ISIS Online, *NPR, Here & Now*, 6.23.16
 Halting the Hate, *The Economist*, 6.23.16
 New Technology Fights Online Extremism, *Morning Joe*, 6.23.16
 A Tool to Delete Beheading Videos Before They Even Appear Online, *The Atlantic*, 6.22.16
 New Tool to Take Down Terrorism Images Online Spurs Debate, *Washington Post*, 6.21.16
 How Tech Can be Used to Track Terrorists, *Risk & Reward*, 12.12.15
 Why Anti-Terror Technology Has Its Limits, *NPR, Weekend Edition*, 12.12.15
 Was Controversial Lee Harvey Oswald Photo Faked?, *BBC Radio*, 10.21.15
 Verdict is in on Whether Lee Harvey Oswald Photo is a Fake, *USA Today*, 10.20.15
 Fake Photos on *All Sides with Ann Fisher*, 8.27.13
 Software That Exposes Faked Photos, *New York Times*, 8.19.13
 Crowdsourcing the Boston Marathon Investigation, *NPR, Here & Now*, 4.18.13
 The Gaussian Blurred Line Of Photoshop In Advertising, *NPR, Colin McEnroe Show*, 1.16.13
 Photo Retouching and Body Image, *CNN*, 8.12.12
 From North Korea, an Altered Procession, *New York Times*, 12.28.11
 Photo Retouching on *BBC World Service*, 12.20.11
 New Technology to Catch Photoshop Fakes on *Marketplace*, 12.19.11
 Exposing Digitally Doctored Photos in *Boston Globe*, 12.5.11
 Retouching Reality in *TIME Magazine*, 11.30.11
 They Aren't That Thin - Digital Retouching Gets Graded in *NPR, The Two-Way*, 11.30.11
 Computer Model Spots Image Fraud in *Scientific American*, 11.29.11
 The Secrets of Photoshop Unmasked, *The Independent*, 11.29.11
 Software Reveals How Much Photos Have Been Retouched, *The Guardian*, 11.29.11
 Photoshopped or Not? A Tool to Tell, *New York Times*, 11.28.11
 Digital Retouching: Physical Implausibility, *The Economist*, 11.28.11

Altered-image Ratings Tell You Just How Fake Photos Are, *New Scientist*, 11.28.11
 Facebook's New Way to Combat Child Pornography, *New York Times*, 5.19.11
 Automating the Hunt for Child Pornographers, *New Scientist*, 4.6.11
 Detecting Fake Photos with Digital Detective Work, *Columbia Journalism Review*, 3.23.11
 Hany Farid vs. Photoshop, *Business Week*, 12.20.10
 Airbrush Alert: UK Wants to Keep Fashion Ads Real *Associated Press*, 9.20.10
 Can You Believe Your Eyes the Digital World?, *BBC News*, 8.2.10
 The Technology Behind Spying, *NPR, All Things Considered*, 7.1.10
 Child Porn Too Big For Law Enforcement?, *The Christian Science Monitor*, 6.13.10
 How to Spot a Doctored Photo, *Wired*, 5.5.10
 High Tech Child Porn Tracker, *NHPR, Word of Mouth*, 12.21.09
 Dartmouth Scientist Says Oswald Rifle Photo Real, *Vermont Public Radio*, 11.24.09
 Is That Picture Real?, *NH Chronicle*, 11.23.09
 Can You Believe Your Eyes?, *New York Times, Upfront*, 11.23.09
 Dartmouth Scientist Says Oswald Rifle Photo Real, *Associated Press*, 11.5.09
 Professor: Photoshopping Person's Race Common, *NPR, All Things Considered*, 8.28.09
 Faked Photographs: Look, and Then Look Again *New York Times*, 8.23.09
 Photoshop Detective. *Studio 360*, 12.26.08
 Real? Or Photoshopped? 'Airbrushing' Run Amok in *ABC News*, 12.19.08
 The Digital Detective, *San Jose Mercury News*, 12.14.08
 Photos as Weapons, *New York Times*, 8.11.08
 In A Photoshop Age, Can You Believe Your Eyes?, *NPR, Talk of the Nation*, 7.23.08
 Iran Doctors Missile of Photo Launch, *CNN*, 7.11.08
 Detecting Digital Alterations in Media, *Vermont Public Radio*, 7.2.08
 Profile: Hany Farid, *NOVA, Science Now*, 6.25.08
 Tampered Photos, *PRI, The World*, 6.3.08
 Journals Find Fakery in Many Images, *Chronicle of Higher Education*, 5.29.08
 Digital Detectives, *NHPR, Word of Mouth*, 5.15.08
 Identifying Manipulated Images, *MIT Technology Review*, 3.16.08
 Researchers Look to Spot Photo Hoaxes, *The Associated Press*, 2.25.08
 Photo Tech Complicates Child-Porn Cases, *The Associated Press*, 2.25.08
 An End to Picture Perfect Frauds, *Discovery Channel Magazine*, 2.1.08
 How Can You Tell if a Picture is Real?, *The Today Show*, 12.21.07
 Digital Forensics, *BBC, Night Waves*, 10.17.07
 Proving That Seeing Shouldn't Always Be Believing, *New York Times*, 10.2.07
 Digital Detectives Discern Photoshop Fakery, *The Christian Science Monitor*, 8.29.07
 Distorted Picture, *American Journalism Review*, 7.30.07
 Magazines' Extreme Touch-ups, *The Today Show*, 7.23.07
 Photo Tampering an Age-Old Practice, *The Chronicle of Higher Education*, 6.27.07
 Great Shots That Never Happened, *Washington Post*, 4.15.07
 Computing Photographic Forgeries, *Science News*, 3.17.07
 Adobe Tackles Photo Forgeries, *Wired*, 3.8.07
 Picture Imperfect, *Nature News*, 2.20.07
 Science Fights the Fakes, *MSNBC*, 2.20.07
 Surveillance: Video Evidence, *Newsweek International*, 1.15.07
 Detecting Video Forgeries, *MIT Technology Review*, 11.29.06
 Seeing is Believing?, *CBS News Sunday Morning*, 10.29.06
 Digital Photo Manipulation, *BBC Digital Planet*, 9.4.06
 Keeping It Real, *The Economist*, 8.17.06
 Digital Art Authentication, *NPR, 1370 Connection*, 8.11.06
 A Digital Life, *CNN*, 2.2.06
 Should Journals Police Scientific Fraud?, *Nature News*, 2.2.06
 Image Check for Scientific Journals, *Der Spiegel*, 1.30.06
 It May Look Authentic; Here's How to Tell It Isn't, *New York Times*, 1.24.06
 Technology Seen Abetting Manipulation of Research, *Boston Globe*, 1.10.06
 Can Photos be Trusted, *Popular Science*, 9.1.05
 Spotting a Digital Hoax, *The Discovery Channel*, 3.16.05
 In The Photoshop Era, It's Harder To Trust Your Eyes, *USA Today*, 2.2.05
 Seeing is No Longer Believing, *The Christian Science Monitor*, 2.2.05
 Professors Who Are Changing the World, *New Hampshire Magazine*, 2.1.05
 Photoshop Sleuths, *MIT Technology Review*, 1.17.05
 Art Forgeries (with John Myatt), *BBC World Service*, 12.15.04
 Digital Forensics, *NHPR, Front Porch*, 12.14.04

Debunking Photoshop Fakery, *New York Times (Year in Ideas)*, 12.12.04
 Is It Real or Is It Photoshopped, *Discover Magazine*, 9.27.04
 Doctored Digital Images, *NPR, Future Tense*, 7.27.04
 A New Flavor of Digital Truth Serum, *New York Times*, 7.22.04
 Is Seeing Believing, *BBC News*, 9.8.03
 History Undercover with Arthur Kent: Cyberterrorism, *The History Channel*, 7.26.03
 Mapping with Math, *BBC News*, 12.3.02
 Digital Tours of Murals, *The Chronicle of Higher Education*, 7.9.02
 Hidden Messages, *WCAX TV News*, 10.19.01
 Statistics Sniff Out Secrets appearing in *Technology Research News*, 9.26.01

INVITED TALKS

Generative AI and the Future of Media, *Content Authenticity Summit*, 5.26 (keynote)
 Trust and Truth in the Age of DeepFakes, *Electronic Imaging*, 3.26 (plenary)
 Trust and Truth in the Age of DeepFakes, *Claremont McKenna College*, 11.25
 Beyond Real or Fake, *Content Authenticity Summit*, 6.25 (keynote)
 Photo Forensics: From Photoshop to Deepfakes, *Dartmouth College*, 5.25
 Lying with Photographs, *TED*, 4.25
 Artificial Intelligence: A Primer for Legal Practitioners, *eCourts*, 12.24 (keynote)
 Creating, Weaponizing and Detecting Deepfakes, *New York University*, 11.24
 Disrupting Disinformation and Deepfakes, *Dartmouth College*, 10.24
 Creating, Weaponizing and Detecting Deepfakes, *University at Buffalo*, 10.24
 Detecting Deepfake Talking Heads, *YouTube*, 8.24
 Creating, (Mis)using, and Detecting Deep Fakes, *National Academy of Sciences* 6.24
 Creating, (Mis)using, and Detecting Deep Fakes, *Stanford University* 5.24
 Creating, (Mis)using, and Detecting Deep Fakes, *Indiana University, Bloomington* 3.24
 Generative AI (Deepfakes), *Google*, 1.24
 Creating, (Mis)using, and Detecting Deep Fakes, *Google Safer Summit* (keynote) 10.23
 Creating, (Mis)using, and Detecting Deep Fakes, *Vision Sciences Society* (keynote), 5.23
 Creating, Weaponizing, and Detecting Deepfakes, *UC Santa Barbara*, 4.23
 Combating Deep Fakes, *IEEE Biometrics Council*, 10.22
 Disrupting Disinformation and Deep Fakes, *Science at Cal*, 8.22
 Disrupting Disinformation, *Workshop on Disinformation at ICML* (keynote), 7.22
 Deep Fakes, *U.S. State Department*, 7.22
 Creating, Using, Misusing and Detecting Deep Fakes, *Dartmouth College*, 6.22
 Detecting Deep Fakes, *USAID*, 4.22
 Assessing the Reliability of Photographic Forensic Identification, *Federal Judicial Center*, 9.21
 The Weaponization of Deep Fakes, *CASIS West Coast Security Conference*, 8.21
 Creating, Weaponizing, and Detecting Deep Fakes, *SIGGRAPH* (keynote), 8.21
 Creating, Weaponizing, and Detecting Deep Fakes, *University of Campinas, Brazil*, 6.21
 The Accuracy, Fairness, and Limits of Predicting Recidivism, *UC Santa Barbara*, 4.21
 Trust and Truth in the Age of Deep Fakes, *Notre Dame University*, 4.21
 Trust and Truth in the Age of Deep Fakes, *Penn State University*, 4.21
 Photographic Forensic Identification, *Stanford University*, 3.21
 Creating, Weaponizing, and Detecting Deep Fakes, *Georgia Institute of Technology*, 3.21
 Photographic Forensic Identification, *University of Wisconsin, Madison*, 2.21
 Photographic Forensic Identification, *York University*, 2.21
 Creating, Weaponizing, and Detecting Deep Fakes, *IS&T Symposium on Electronic Imaging*, 1.21
 The Accuracy, Fairness, and Limits of Predicting Recidivism, *George Mason University*, 1.21
 Creating, Weaponizing, and Detecting Deep Fakes, *Massachusetts Institute of Technology*, 12.20
 Creating, Weaponizing, and Detecting Deep Fakes, *CASIS West Coast Security Conference*, 11.20
 Creating, Weaponizing, and Detecting Deep Fakes, *Santa Fe Council on International Relations*, 11.20
 The Accuracy, Fairness, and Limits of Predicting Recidivism, *Spark + AI Summit* (keynote), 11.20
 The Accuracy, Fairness, and Limits of Predicting Recidivism, *Carnegie Mellon University*, 11.20
 Assessing the Reliability of Clothing-Based Forensic Identification, *DiMACS Workshop on Co-Development of Computer Science and Law*, 11.20
 Creating, Weaponizing, and Detecting Deep Fakes, *CyberSec&AI* (keynote), 10.20
 Creating, Weaponizing, and Detecting Deep Fakes, *International Joint Conference on Biometrics* (keynote), 9.20
 Creating, Weaponizing, and Detecting Deep Fakes, *Spark + AI Summit* (keynote), 6.20
 Digital Forensics: Beyond real or fake, *Workshop on Media Forensics at CVPR* (keynote), 6.20
 Detecting Deep-Fake Videos from Appearance and Behavior, *Workshop on Fair, Data Efficient and Trusted Computer Vision at CVPR* (keynote), 6.20

Detecting Deep-Fake Videos from Appearance and Behavior, *Deep Learning and Security Workshop at IEEE Symposium on Security and Privacy* (keynote), 5.20
 Digital Forensics: From photoshop to deepfakes, *UNC Chapel Hill*, 2.20
 Photo Forensics from Rounding Artifacts, *Computational Imaging Workshop* (keynote), 2.20
 Digital Image and Video Forensics, *California Judges Association*, 10.19
 Creating, Weaponizing, and Detecting Deep Fakes, *University of Maryland*, 10.19
 Photo Forensics, *Amazon*, 8.19
 Creating, Weaponizing, and Detecting Deep Fakes, *USENIX* (keynote), 8.19
 Creating, Weaponizing, and Detecting Deep Fakes, *San Francisco Electronic Crimes Task Force*, 7.19
 Creation, Weaponization, and Detection of Deep Fakes, *D.C. Circuit Judicial Conference*, 6.19
 Digital Forensics: past, present, and future, *AI Foundation*, 6.19
 Digital Forensics: past, present, and future, *Workshop on Media Forensics at CVPR* (keynote), 6.19
 Protecting Children Online, *Missing & Exploited Children Training Conference*, 5.19
 Detecting Deep Fakes, *IEEE International Workshop on Fake Multimedia* (keynote), 3.19
 Fake Photos, *University of Florida*, 3.19
 Digital Forensics, *Google*, 3.19
 Digital Forensics, *Yahoo Research*, 12.18
 Photo Forensics from JPEG Coding Artifacts, *Stanford University*, 11.18
 Reining in Online Abuses, *University of California, Santa Barbara*, 10.18
 How Realistic is Photorealistic?, *University of California, Berkeley*, 10.18
 Digital Forensics, *SIGGRAPH Workshop on Truth in Images, Videos, and Graphics*, 8.18
 The Danger of Predictive Algorithms in Criminal Justice, *TEDx AmoskeagMillyard*, 6.18
 Reining in Online Abuses, *Plymouth State University*, 3.18
 Photo Forensics, *University of Pennsylvania*, 12.17
 Reining in Online Abuses, *Building Alliances - Preventing Terror*, Brussels Belgium, 10.17
 Reining in Online Abuses, *SUNY Albany, Massry Lecture*, 9.17
 Photo Forensics, *University of California, Berkeley*, 9.17
 Reining in Online Abuses, *University of California, Berkeley*, 9.17
 Photographs, Hoaxes, and Conspiracies, *Gordon Conference: Visualization in Science*, 7.17
 Photo Forensics from JPEG Coding Artifacts, *Media Forensics Workshop at CVPR* (keynote), 7.17
 Digital Video Forensics, *The Federal Judiciary Center*, 6.17
 Reining in Online Abuses, *Williams College*, 5.17
 Photo Forensics, *Williams College*, 5.17
 Digital Image Forensics, *Office of Research Integrity*, 4.17
 Digital Forensics: From Social Media to Social Impact, *National Academy of Inventors*, 4.17
 Reining in Online Abuses, *Council of Engineering Systems Universities*, 3.17
 Photo Forensics, *International Center of Photography*, 12.16
 Photo Forensics, *Columbia University*, 12.16
 Combating On-line Extremism, *United Nations*, 11.16
 Photo Forensics from Lighting and Shadows, *Duke University*, 3.16
 How Realistic is Photorealistic?, *Duke University*, 3.16
 Photo Forensics, *Middlebury College*, 10.15
 Photo Forensics and Verification, *TechRaking at MIT*, 9.15
 Photo Forensics, *University of Wisconsin, Madison*, 4.15
 Photo Forensics from Shadows & Shading, *SPIE Media Security, and Forensics* (keynote), 1.14
 Photo Forensics, *University of Oregon*, 1.14
 Photo Forensics, *University of California, Riverside*, 1.14
 Photo Forensics, *University of Delaware*, 9.13
 Photo Forensics, *International Conference on Computational Photography* (keynote), 4.13
 Image Manipulation in News, *Computation + Journalism Symposium*, 2.13
 Digital Forensics, *The World Bank*, 6.12
 Photo Retouching, *Information Hiding* (keynote), 5.12
 Photo Forensics, *Stanford University*, 1.12
 Ethics and Forensics in the Age of Photoshop Photojournalism, *MIT*, 4.11
 Photo Forensics, *National Geographic*, 1.11
 Photo Forensics: Lighting and Shadows, *Harvard University*, 9.10
 Photo Forensics, *Applied Perception in Graphics & Visualization* (keynote), 7.10
 Limitations of Visually-Based Image Forensics, *Massachusetts Institute of Technology*, 4.10
 Photo Forensics, *Massachusetts Institute of Technology*, 4.10
 Digital Image Forensics, *Yale University*, 4.10
 Digital Image Forensics, *IDGA Biometrics for National Security and Defense*, 3.10
 Visually-Based Image Forensics, *IDGA Biometrics for National Security and Defense*, 3.10
 Photo Forensics, *Smith-Kettlewell Eye Research Institute*, 2.10

Digital Image Forensics, *Adobe Inc*, 1.10
 Digital Image Forensics, *University of Rochester*, 11.09
 On the Limitations of Visually-Based Image Forensics, *University of Rochester*, 11.09
 Photo Forensics, *Brown University*, 10.09
 Digital Forensics, *Biometrics: Theory, Applications and Systems* (keynote), 9.09
 Digital Tampering and Forensics, *University of California, San Diego*, 4.09
 Image Forensics, *University of California, Berkeley*, 3.09
 Estimating and Modeling Complex Lighting Environments, *University of Pennsylvania*, 10.08
 Digital Tampering and Forensics, *National Institute of Standards*, 10.08
 Digital Tampering and Forensics, *University of Massachusetts, Amherst*, 10.08
 Digital Image Forensics, *American Society of Clinical Radiologists*, 9.08
 Digital Tampering and Forensics, *SUNY Albany*, 9.08
 Digital Tampering and Forensics, *Electronic Imaging Symposium (plenary talk)*, 1.08
 Digital Image Forensics, *The National Academies*, 1.08
 Digital Image Forensics, *IBM Almaden*, 11.07
 Digital Image Forensics, *University of California, Berkeley*, 11.07
 A Digital Technique for Art Authentication, *Harvard University Art Museum*, 10.07
 Digital Image Forensics, *Google*, 4.07
 Digital Image Forensics, *Foveon Inc.*, 4.07
 Exposing Digital Forgeries from Inconsistencies in Lighting, *Carnegie Mellon University*, 3.07
 Digital Forensics, *American Association for the Advancement of Science*, 2.07
 Digital Image Forensics, *The Associated Press*, 2.07
 Exposing Digital Forgeries from Inconsistencies in Lighting, *University of Pennsylvania*, 2.07
 Digital Tampering in the Media, Politics and Law, *University of Pennsylvania*, 2.07
 Digital Image Forensics, *Central Intelligence Agency*, 12.06
 From Photons to Pixels to Photoshop, *Project Safe Childhood Conference*, 12.06
 Digital Image Forensics, *Stanford University*, 10.06
 From Photons to Pixels to Photoshop, *Crimes Against Children Conference*, 8.06
 Digital Image Forensics, *Microsoft Corp.*, 6.06
 A Digital Technique for Art Authentication, *Rochester Memorial Art Gallery*, 5.06
 Digital Image Forensics, *Eastman Kodak*, 5.06
 Digital Image Forensics, *Google*, 5.06
 Digital Image Forensics, *University of California, Davis*, 5.06
 Digital Image Forensics, *National Academy of Sciences*, 5.06
 A Digital Technique for Art Authentication, *San Diego Museum of Art*, 3.06
 A Picture is Worth a Thousand Lies, *Dartmouth College*, 2.06
 Digital Image Forensics, *Ricoh Innovations*, 11.05
 Energy vs. Synchrony in Perceptual Grouping, *University of California, San Diego*, 11.05
 From Photons to Pixels to Photoshop, *Delaware Department of Justice*, 9.05
 From Photons to Pixels to Photoshop, *High Tech. Crime Investigation Assoc.*, 8.05
 Digital Image Forensics, *National Association of Attorneys General*, 6.05
 How Realistic is Photorealistic?, *University of California, Santa Cruz*, 6.05
 Digital Image Forensics, *University of California, Berkeley*, 5.05
 Digital Image Forensics, *University of California, Santa Cruz*, 5.05
 Digital Image Forensics, *National Association of Attorneys General*, 5.05
 Digital Image Forensics, *Adobe Systems*, 4.05
 Digital Image Forensics, *Office of Research Integrity*, 1.05
 Digital Image Forensics, *University of New Hampshire*, 12.04
 Digital Image Forensics, *New Hampshire Cyber Crime Network*, 12.04
 Digital Image Forensics, *Leslie Center for the Humanities, Dartmouth College*, 11.04
 Reconstructing Ancient Egyptian Tombs, *Society for Imaging Science and Tech.*, 10.04
 Digital Image Forensics, *Adobe Systems*, 10.04
 Digital Image Forensics, *National Association of Attorneys General*, 9.04
 Digital Image Forensics, *University of Pennsylvania*, 7.04
 How Realistic is Photorealistic?, *University of Illinois*, 4.04
 Universal Steganalysis, *Central Intelligence Agency*, 2.04
 How Realistic is Photorealistic?, *The Salk Institute*, 1.04
 Grouping by Temporal Synchrony?, *The Salk Institute*, 1.04
 How Realistic is Photorealistic?, *Stevens Institute of Technology*, 12.03
 How Realistic is Photorealistic?, *Massachusetts Institute of Technology*, 11.03
 How Realistic is Photorealistic?, *Harvard University*, 11.03
 How Realistic is Photorealistic?, *University of Chicago*, 11.03
 How Realistic is Photorealistic?, *University of Maryland*, 11.03

Grouping by Temporal Synchrony?, *University of Chicago*, 10.03
 Mixing and Unmixing Digital Images, *Harvard University*, 10.02
 Temporal Synchrony in Perceptual Grouping?, *University of Rochester*, 9.02
 Mixing and Unmixing Digital Images, *New York University*, 4.02
 Mixing and Unmixing Digital Images, *University of Pennsylvania*, 3.02
 Digital Tampering, *Washington University, St. Louis*, 1.02
 Digital Secrets, *Boston University*, 12.01
 Grouping by Temporal Synchrony, *Harvard University*, 11.01
 Blind Removal of Image Non-Linearities, *Columbia University*, 11.01
 Blind Removal of Image Non-Linearities, *Massachusetts Institute of Technology*, 10.01
 Grouping by Temporal Synchrony, *New York University*, 10.01
 Grouping by Temporal Synchrony, *Massachusetts Institute of Technology*, 3.01
 Grouping by Temporal Synchrony, *University of Pennsylvania*, 3.01
 Grouping by Temporal Synchrony, *Boston University*, 2.01
 Blind Removal of Image Non-Linearities, *University of Pennsylvania*, 3.00
 Digital Image Separation, *George Mason University*, 3.00
 Grouping in Temporally Synchronous Displays, *Dartmouth College*, 12.99
 Separating Digital Images, *Brooklyn Polytechnic University*, 3.99
 Separating Digital Images, *Dartmouth College*, 3.99
 ICA for Separating Images, *Massachusetts Institute of Technology*, 2.99
 Separating Images, *University of Pennsylvania*, 10.98
 Monocular Stereo, *Polaroid Inc*, 7.98
 Digital Image Enhancement, *Williams College*, 4.98
 Monocular Stereo, *Massachusetts Institute of Technology*, 3.98
 Range Estimation by Optical Differentiation, *University of California, Berkeley*, 3.97
 A Differential Optical Range Camera, *Sensar Inc.*, 11.96
 Direct Differential Range Estimation, *Columbia University*, 5.96
 Steerable Filters for Low-level Image Processing, *SUNY Albany*, 11.95
 3-D Scene Reconstruction for Telepresence, *UNC, Chapel Hill*, 6.94

AWARDS

University of Rochester, Honorary Doctor of Science, 2026
 Dartmouth's McGuire Prize for Societal Impact, 2026
 UC Berkeley, School of Information, Excellence in Teaching, 2025
 National Academy of Inventors (NAI), Fellow, 2016
 University at Albany Excellence in Science and Technology Award, 2010
 John Simon Guggenheim Fellowship, 2006
 Alfred P. Sloan Fellowship, 2002
 Graduate Teaching Award, *University of Pennsylvania*, 1994

PROFESSIONAL ACTIVITIES

IEEE Fellow, 2018
 Phi Beta Kappa (honorary), 2017

EDITORIAL BOARD

Journal of Online Trust and Safety, 2021-present

ASSOCIATE EDITOR

Annual Review of Vision Science, 2019-2026
 IEEE Transactions on Information Forensics and Security, 2005-2008

PROGRAM COMMITTEE

Workshop on Authenticity & Provenance in the Age of Generative AI, ICCV, 2025
 Workshop on Image Forensics, CVPR, 2017-2024
 IEEE Workshop on Image Forensics (WIFS), 2017, 2019
 International Conference on Computational Photography, 2012-2015, 2021
 Information Hiding, 2010
 Media Security and Forensics (Electronic Imaging), 2009-2011
 Technical Advisory Board for Berkman's Internet Safety Task Force, 2008
 Vision of the Unseen (CVPR Workshop), 2008
 Statistical Learning in Computer Vision (ECCV Workshop), 2004
 American Association for Artificial Intelligence (Vision/Perception), 2004
 Statistical Analysis in Computer Vision (CVPR Workshop), 2003

REVIEWER	NSF review panel (SBIR/STTR Phase I), 2018 NSF review panel (RI Small), 2013 NSF review panel (ITR Medium), 2003 NSF review panel (CAREER: RHA/CV), 2000, 2002, 2003 NSF review panel (RHA/CV), 2000 American Association for Artificial Intelligence (AAAI), Computer Analysis of Images and Patterns (CAIP), Computer Vision and Pattern, Recognition (CVPR), Electronics Letters, European Conference on Computer Vision (ECCV), IEEE Transactions on Image Processing, IEEE Transactions on Multimedia, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Signal Processing, IEEE Transactions on Information Security and Forensics, Information Hiding, International Conference on Computer Vision (ICCV), International Journal of Computer Vision, International Journal of Imaging Systems and Technology, Journal of Cognitive Neuroscience, Journal of the Optical Society of America, Journal of Visual Communication and Image Representation, Medical Physics, Perception, Proceedings of the Royal Society: Biological Sciences, SIGGRAPH, Vision and Applications, Vision Research
CURRENT STUDENTS	Sarah Barrington, Ph.D. advisor Matyas Bohacek, undergraduate advisor
FORMER STUDENTS	Shruti Agarwal (2022), Ph.D. advisor Tiago Carvalho (2014), visiting Ph.D. student (UNICAMP, Brazil) Emma Chiu '19, research advisor Valentina Conotter (2011), Ph.D. co-advisor (University of Trento) Julia Dressel '17, senior thesis advisor Marc Faddoul (2019), M.S. advisor Wei Fan (2018), postdoctoral advisor Olivia Holmes '15, senior thesis advisor Daniel Hopkins '10, research advisor Kimo Johnson (2007), Ph.D. advisor Eric Kee (2013), Ph.D. advisor Simran Kaur, (2021), Haas Scholar, (UC Berkeley) Jethro Rothe-Kushel '03, research advisor Benedikt Lorch (2018), visiting M.S. student (University of Erlangen) Siwei Lyu (2005), Ph.D. advisor Brandon Mader '16, research advisor David Martin '00, senior thesis advisor Kiley McEvoy '06, research advisor Sophie Nightingale (2020), postdoctoral advisor Justin Norman (2026), Ph.D. advisor Joseph Pechter '04, senior thesis advisor William Pechter '04, senior thesis advisor Senthil Periaswamy (2003), Ph.D. advisor Coralie Phanord '16, research advisor Andrew Pierce '02, research advisor Alin Popescu (2005), Ph.D. advisor Nelson Rosa '06, research advisor Katherine Sherwin '01, research advisor Priyanka Singh (2019), postdoctoral advisor Hai Sun (2004), Ph.D. co-advisor Sydni Topper '18, research advisor Joshua Wang '15, thesis advisor Weihong Wang (2009), Ph.D. advisor Angela Zhu '17, research advisor
TEACHING (BERKELEY)	Introduction to Data Structures and Analytics, INFO 206B, Fall 2025 Introduction to Programming and Computation, INFO 206A, Fall 2025 Computer Vision, INFO 290, Spring 2025 Introduction to Data Structures and Analytics, INFO 206B, Fall 2023 Introduction to Programming and Computation, INFO 206A, Fall 2023 Structure and Interpretation of Computer Programs, CS61A, Spring 2023 Computer Vision, INFO 290, Fall 2022

Computer Vision, DATASCI 281, Spring 2021
 Structure and Interpretation of Computer Programs, CS61A, Fall 2020
 Introduction to Programming and Computation, INFO 206A, Fall 2020
 Introduction to Data Structures and Analytics, INFO 206B, Fall 2020
 Introduction to Programming and Computation, INFO 206A, Fall 2019
 Introduction to Data Structures and Analytics, INFO 206B, Fall 2019

TEACHING
 (DARTMOUTH)

Foundations of Applied Computer Science, CS 11, Spring 2018
 Data Structures and Analytics, Tuck School of Business, Spring 2017
 Fundamentals of Web Programming, Tuck School of Business, Spring 2017
 Introduction to Programming and Computation, CS 1, Fall 2016
 Fundamentals of Web Programming, Tuck School of Business, Spring 2016
 Numerical and Computational Tools for Applied Science, CS 70/170, Spring 2016
 Introduction to Programming and Computation, CS 1, Fall 2015
 Numerical and Computational Tools for Applied Science, CS 70/170, Spring 2015
 Introduction to Programming and Computation, CS 1, Fall 2014
 Introduction to Programming and Computation, CS 1, Spring 2014
 Introduction to Programming and Computation, CS 1, Spring 2013
 Digital Image Forensics, CS 89/189, Spring 2013
 Digital Forensics, University of Trento, Italy, Spring 2011
 Numerical and Computational Tools for Applied Science, CS 36/136, Summer 2008
 Concepts in Computing, CS 4, Summer 2008
 Numerical and Computational Tools for Applied Science, CS 36/136, Summer 2007
 Concepts in Computing, CS 4, Summer 2007
 Concepts in Computing, CS 4, Winter 2006
 Numerical Methods in Computer Vision, CS 88/188, Fall 2004
 Concepts in Computing, CS 4, Summer 2003
 Concepts in Computing, CS 4, Summer 2002
 Data Structures and Programming, CS 15, Winter 2002
 Data Structures and Programming, CS 15, Fall 2001
 Numerical Linear Algebra, CS106, Spring 2001
 Data Structures and Programming, CS 15, Winter 2001
 Data Structures and Programming, CS 15, Fall 2000
 Fundamentals of Image Processing, CS 88/188, Spring 2000
 Programming Languages, CS 68, Winter 2000
 Data Structures and Programming, CS 15, Fall 1999

TESTIMONY

U.S. Senate Commerce Committee (Protecting Consumers from AI-Enabled Fraud and Scams), 11.19.24
 California State Assembly (understanding AI), 2.28.24
 U.S. Senate Judiciary Subcommittee on Privacy, Technology, and the Law, (platform accountability: Gonzalez and Reform), 3.8.23
 California State Assembly, (protecting kids online), 3.29.22
 Australian Parliament, Select Committee on Social Media and Online Safety, 1.29.22
 Illinois General Assembly (manipulated digital media), 8.26.21
 U.S. House Energy & Commerce (section 230 reform), 3.15.21
 U.S. House Energy & Commerce (how disinformation is dividing the nation), 6.24.20
 U.S. House Energy & Commerce (fostering a healthier internet to protect consumers), 10.16.19
 U.S. House Committee on Science, Space, & Technology (online imposters and disinformation), 9.24.19
 European Parliament Special Committee on Terrorism, 4.24.18
 Singapore Select Committee on Deliberate Online Falsehoods, 3.27.18
 U.S. Senate Judiciary, 9.3.17 (on-line extremism)
 United Nations Counter-Terrorism Committee Executive Directorate, 11.30.16

EXPERT WITNESS
 TESTIMONY

USC v. Google, 2026
 Getty v. Stability AI, 2024
 U.S. v. Gunnery Sergeant Louis A. Lockard III, USMC, 2023
 SAIC v. United States et al., U.S. Court of Federal Claims, 2022
 Qualcomm Inc. v. Apple Inc., U.S. International Trade Commission, 2018
 Qualcomm Inc. v. Apple Inc., U.S. District Court of Southern District of California, 2018

Lanutti v. Children's Hospital of Pennsylvania, Philadelphia, Pennsylvania, 2018
Salenger v. Inergy, 2017
United States of America v. Sweeney, 2016
Adobe v. Everyscape, Boston, Massachusetts, 2015
Hargett v. Frost, Indianapolis, Indiana, 2014 (deposition)
Ceglia v. Zuckerberg, 2012, (deposition)
United States of America v. Paul Burdulis, Worcester, Massachusetts, 2012
Garza, et al. v. Allied Chemical Corporation, et al., Hidalgo County, Texas, 2009
Operation Algebra, Edinburgh, Scotland, 2009
Pack v. Ross, et al, Nashville, Tennessee, 2009
State of New Hampshire. v. Katherine Johnson, 2009
DesertMicro v. Piersall, Jacksonville, Florida, 2007
State of Florida v. Michael Quattrocchi, 2007
State of Maine v. Melvin Logan, 2007
United States of America v. San Diego Gas & Electric Company, et al., 2007
State of Ohio v. David Harrison, 2006
State of New Hampshire v. John Lacroix, 2005
Graphic Security Systems v. Nautilus Security, 2005
State of Ohio v. Mark A. Heilman, 2004