

Hany Farid

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APPOINTMENTS	University of California at Berkeley <i>Professor, School of Information</i> <i>Professor, Electrical Engineering and Computer Science</i> Dartmouth College, Department of Computer Science <i>Albert Bradley 1915 Third Century Professor</i> <i>Professor</i> <i>William H. Neukom 1964 Distinguished Professor of Computational Science</i> <i>David T. McLaughlin Distinguished Professor of Computer Science</i> <i>Professor</i> <i>Associate Professor</i> <i>Assistant Professor</i> Dartmouth College, Tuck School of Business <i>Adjunct Professor of Business Administration</i> Dartmouth College, Neukom Institute for Computational Science <i>Director</i>	2019 – 1999 – 2019 2016 – 2019 2011 – 2016 2008 – 2011 2007 – 2008 2006 – 2007 2004 – 2006 1999 – 2004 2016 – 2019 2008 – 2011
PROFESSIONAL	Office of the Prosecutor, International Criminal Court <i>Technology Advisory Board, Member</i> Counter Extremism Project <i>Senior Adviser</i> Fourandsix Technologies, Inc. <i>Chief Technology Officer and Co-founder</i>	2018 – present 2016 – present 2011 – present
EDUCATION	Massachusetts Institute of Technology <i>Postdoctoral Fellow, Brain and Cognitive Sciences (adviser: Ted Adelson)</i> University of Pennsylvania <i>Ph.D., Computer Science (adviser: Eero Simoncelli)</i> State University of New York at Albany <i>M.S., Computer Science</i> University of Rochester <i>B.S., Computer Science with Applied Mathematics</i>	1997 – 1999 1993 – 1997 1990 – 1992 1984 – 1988
AWARDS	National Academy of Inventors (NAI), Fellow, 2016 John Simon Guggenheim Fellowship, 2006 Alfred P. Sloan Fellowship, 2002	
FUNDING	DARPA. <i>Photons, Pixels, Photoshop and the Internet</i> , (929K), Co-PI, 2016 National Institute of Justice. <i>Degrade It</i> , (124K), 2016 Microsoft Corp. <i>Combating On-line Extremism</i> , 2016 NVIDIA Corp. <i>How Realistic is Photorealistic?</i> , (Equipment Grant), 2015 National Science Foundation. <i>GridIron</i> (474K), Co-PI, 2012 National Science Foundation. <i>Instrument Development for Biological Research</i> (212K), Co-PI, 2008 National Science Foundation. <i>Digital Imaging Laboratory at Dartmouth</i> (427K), 2007 Department of Homeland Security. <i>Digital Video Forensics</i> (255K), 2007 Howard Hughes Medical Institute. <i>Undergraduate Science Education</i> (1.5M), Co-PI, 2006 United States Air Force. <i>Digital Image Forensics</i> (380K), 2006 National Science Foundation. <i>The Evolution of Mate Choice in Damselflies</i> (535K), Co-PI, 2005 Bureau of Justice Assistance. <i>Digital Image Forensics</i> (125K), 2005 Microsoft Corp. (375K), 2005, 2006, 2007, 2009, 2016 Adobe Systems, Inc. (110K), 2004, 2006, 2008 National Institute of Justice. <i>Digital Tampering and Secrets</i> (690K), 2003 National Institute of Justice. <i>Detecting Digital Tampering</i> (250K), 2000 National Science Foundation. <i>CAREER: Mixing and Separating Digital Images</i> (315K), 2000	

- PUBLICATIONS (IMPACT) h -index=56; total citations=13,520; i500-index=5; i250-index=15; i100-index=38; i10-index=99.¹
- PUBLICATIONS (BOOK) H. Farid. Photo Forensics, MIT Press, 2016.
- PUBLICATIONS (JOURNAL) 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.
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- 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.
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- 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.
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- 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.

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 GoogleScholar as of August 2018.

- 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.
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- L. Shen, H. Farid and M.A. McPeck. Modeling 3-Dimensional Morphological Structures using Spherical Harmonics. *Evolution*, 63(4):1003-1016, 2009.
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- 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 Damselies. *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.
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- 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]
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- S. Lyu and H. Farid. How Realistic is Photorealistic? *IEEE Transactions on Signal Processing*, 53(2):845-850, 2005.
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- 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.
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- 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.
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- 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
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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.

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

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(BOOK CHAPTERS)

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

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PAPER)

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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.

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

S. 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.

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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.

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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.

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- V. Maljkovic, P. Martini and H. Farid. The Time-Course of Categorization of Real-Life Scenes with Affective Content. *Vision Sciences*, Sarasota, FL, 2004.
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- M.J. Bravo and H. Farid. Searching a Cluttered Scene. *Vision Sciences*, Sarasota, FL, 2003.
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- M.J. Bravo and H. Farid. The Role of Object Recognition in Scene Segmentation. *Investigative Ophthalmology and Visual Science*, Fort Lauderdale, FL, 2000.
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- H. Farid. Recruiting Terrorists: Were losing the fight against online extremism heres why, *The Hill*, 2018. (op-ed)
- H. Farid. Verifying #BigTech Promises. *EUReporter*, 2018. (op-ed)

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

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- 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 Com-

puter 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

IN THE NEWS (SELECTED)

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 Morning Show*, 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

Theres 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
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 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

Digital Forensics, *SIGGRAPH Workshop on Truth in Images, Videos, and Graphics*, 8.18
 Data, AI, & You, *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

PROFESSIONAL
ACTIVITIES

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

ASSOCIATE
EDITOR

IEEE Transactions on Information Forensics and Security, 2005-2008

PROGRAM
COMMITTEE

Workshop on Image Forensics, CVPR, 2017
 IEEE Workshop on Image Forensics (WIFS), 2017
 International Conference on Computational Photography, 2012-2015
 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

STUDENTS

Shruti Agarwal, Ph.D. adviser
Tiago Carvalho (2014), visiting Ph.D. student (UNICAMP, Brazil)
Emma Chiu '19, research adviser
Valentina Conotter (2011), Ph.D. co-adviser (University of Trento)
Julia Dressel '17, senior thesis adviser
Wei Fan, postdoctoral fellow
Olivia Holmes '15, senior thesis adviser
Daniel Hopkins '10, research adviser
Kimo Johnson (2007), Ph.D. adviser
Eric Kee (2013), Ph.D. adviser
Jethro Rothe-Kushel '03, research adviser
Benedikt Lorch (2018), visiting M.S. student (University of Erlangen)
Siwei Lyu (2005), Ph.D. adviser
Brandon Mader '16, research adviser
David Martin '00, senior thesis adviser
Kiley McEvoy '06, research adviser
Joseph Pechter '04, senior thesis adviser
William Pechter '04, senior thesis adviser
Senthil Periaswamy (2003), Ph.D. adviser
Coralie Phanord '16, research adviser
Andrew Pierce '02, research adviser
Alin Popescu (2005), Ph.D. adviser
Nelson Rosa '06, research adviser
Katherine Sherwin '01, research adviser
Priyanka Singh, postdoctoral fellow
Hai Sun (2004), Ph.D. co-adviser
Sydni Topper '18, research adviser
Joshua Wang '15, thesis adviser
Weihong Wang (2009), Ph.D. adviser
Angela Zhu '17, research adviser

TEACHING

Foundations of Applied Computer Science, 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

COLLEGE Department Chair, 2015-2018
 COMMITTEES Committee Advisory to the President (tenure & promotions), 2016-2018
 Department Associate Chair, 2004-2009
 Ph.D. Advisor, 2004-2006
 Steering Committee, Neuroscience Major, 2004-2008
 Director Search, Neukom Institute for Computational Science, 2005
 HHMI Undergraduate Biological Sciences Education Proposal, 2005
 Green Grid Computing, 2004-2005
 Computer Science Building Expansion, 2003-2005
 Faculty Search, Thayer School of Engineering, 2004
 Department Web Master, 1999-2004
 Faculty Recruiting, 2003, 2010-2011
 Ph.D. Admissions 2001-2003, 2010, 2012
 Associate Director Search, ISTS, 2002
 M.D./Ph.D. Admissions, 2001

TESTIMONY European Parliament Special Committee on Terrorism, 4.24.18
 Singapore Select Committee on Deliberate Online Falsehoods, 3.27.18
 United States Senate Judiciary, 9.3.17 (topic: on-line extremism)
 United Nations Counter-Terrorism Committee Executive Directorate, 11.30.16

EXPERT WITNESS Salenger v. Inergy, 2017
 TESTIMONY 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