

CURRICULUMVITAE
Adam K. Fontecchio, PhD
College of Engineering
Drexel University, Philadelphia, PA 19104
215-895-2047; fontecchio@drexel.edu

1. CURRENT POSITION

2015 – present Director, Center for the Advancement of STEM Teaching and Learning Excellence
Drexel University, Philadelphia, PA

2. EDUCATION

- PhD, Physics, 2002, Brown University
Advisor: Prof. Gregory Crawford
Thesis: Multiplexing Studies of Holographically-formed Polymer Dispersed Liquid Crystals: Morphology, Structure, and Device Applications
- MSc, Physics, 1998, Brown University
- BA, Physics, 1996, Brown University

3. ADMINISTRATIVE APPOINTMENTS

2015-2017 Vice Dean (Founding), Graduate College, Drexel University
2013-2015 Associate Dean for Academic Affairs, College of Engineering, Drexel University
2012-2016 Co-Director, Expressive and Creative Interaction Technologies (ExCITe) Center, Drexel U.
2010-2013 Associate Dean for Undergraduate Affairs, College of Engineering, Drexel University
2008-2010 Assistant Department Head for Undergraduate Affairs, ECE Department, Drexel University
2008-2010 Associate Dean for Special Projects, College of Engineering, Drexel University
2005-2013 Director of Micro/Nano Fabrication, A. J. Drexel Nanotechnology Institute, Drexel University

4. ACADEMIC APPOINTMENTS

2012-present Professor, Department of Electrical and Computer Engineering, Drexel University
2008-2012 Associate Professor, Department of Electrical and Computer Engineering, Drexel University
2005-present Affiliated Faculty, Department of Materials Engineering, Drexel University
2002-2008 Assistant Professor, Department of Electrical and Computer Engineering, Drexel University
2002 Adjunct Professor, University of Massachusetts- Dartmouth, Physics Department

5. RESEARCH & PROJECT APPOINTMENTS

2014-present Co-Director DragonsTeach Institute, Drexel University
2013-2018 Director, Lockheed Martin Engineering Leadership Program, Drexel University
2006-2010 Director of Graduate Fellows, Drexel/NSF GK-12 Program
2003–present Member, A. J. Drexel Nanotechnology Institute, Drexel University

2003 NASA Summer Faculty Fellowship, NASA Jet Propulsion Laboratory
2002 Adjunct Professor, University of Massachusetts- Dartmouth, Physics Department
2000-2001 NSF Visiting Scientist, Josef Stefan Institute for Liquid Crystals, Ljubljana, Slovenia
1999 Project Manager, *Project Comet Chasers*, RI Council on Education / NASA

6. CONSULTING AND ENTREPRENEURIAL EXPERIENCE

2016-present President and Founder, DragonSpectral Inc., Philadelphia, PA
2009-present President and Founder, Fontecchio Consulting, Downingtown, PA
2008-present Co-Founder and Member, Summalux, LLC., Downingtown, PA
2009-2015 President and Founder, MetaTenna LLC, Exton, PA

7. HONORS AND DISTINCTIONS

- Presidents Award for Diversity and Inclusive Community, Drexel University (2018)
- Selected to Advisory Board for SXSW Edu 2019 (2018, 2019)
- Elected to Leadership Team of Center for Integration of Teaching, Research, and Learning (CIRTL) (1st term: 2017-2018; 2nd term: 2019-present)
- Paper selected for feature on Transactions on Biomedical Engineering website (<https://tbme.embs.org/>): Li, B., Shi, Y., Fontecchio, A. K., & Visell, Y. "Mechanical Imaging of Soft Tissues with a Highly Compliant Tactile Sensing Array." *IEEE Transactions on Biomedical Engineering*, (2017).
- Presidential Civic Engagement Award for Faculty and Professional Staff for DragonsTeach Program, Drexel University (2016)
- Science Nation Coverage of Biomedical Smart Textiles: "These Smart Threads Could Save Lives" (2016) at https://www.nsf.gov/news/special_reports/science_nation/biomedtextiles.jsp?WT.mc_id=USNSF_51
- Selected as 2015 Delaware Valley Engineer of the Year, Engineers Club of Philadelphia (2015)
- Second Prize, Poster Competition, Middle Atlantic Section of ASEE Annual Meeting (2015)
- Second Prize, Best Student Paper Competition, IEEE BenMAS 2014 Conference
- Nominated for Philadelphia Geek Award, Story of the Year (2014)
- Elected to Vice-Chair position, IEEE Philadelphia Section (2014, 2015)
- Selected to participate in National Academy of Engineering 2011 U.S. Frontiers in Engineering Symposium (2011)
- Printed Antenna research featured in IEEE The Institute May 6, 2011
- Elected to Senior Member, IEEE (2011)
- Shell Eco-Challenge Solar Car Senior Design Team featured in National Geographic, Wired.com, and NBC10 news and website
- Patent selected for publication in NASA Tech Briefs "Dynamic Time Multiplexing Fabrication of Holographic Polymer Dispersed Liquid Crystals for Increased Wavelength Sensitivity" (2011)
- Feature article in *Philadelphia Inquirer*, "Someday a Way to See Nuclear, Chemical Threats" March 29, 2010
- Electrical and Computer Engineering Department Doctoral Mentor Award (2010)
- Paper selected for *Virtual Journal of Nanoscience & Technology* [JAP, 103, 064314, 2008]

- Paper selected for *Virtual Journal of Biological Physics Research* [APL, 90, 103108, 2007]
- Paper selected for *Virtual Journal of Nanoscience & Technology* [APL, 90, 103108, 2007]
- Paper highlighted in Nanotechweb, Nanowerk.com, and Nanomedicine News [APL, 90, 103108, 2007]
- Drexel ECE Outstanding Research Achievement Award (2006)
- Drexel Graduate Student Association Outstanding Mentor Award (2006)
- Paper selected for *Virtual Journal of Nanoscience & Technology* [APL, 89, 043123, 2006]
- Honorary mention for poster titled “Ordering Effects in Liquid Crystal—Carbon Nanotube Composites,” American Society for Composites 20th Annual Technical Conference, Philadelphia, September 2005
- International Liquid Crystal Society Multimedia Prize (2004)
- NASA Young Investigator (2004)
- NASA Summer Faculty Fellowship, NASA Jet Propulsion Laboratory (2003)
- NASA Graduate Student Researcher Fellowship, NASA Goddard Space Flight Center (2001)
- NASA Graduate Student Researcher Fellowship, NASA Goddard Space Flight Center (2000)
- Best Poster Award, 18th International Liquid Crystal Conference, Sendai, Japan (2000)
- Best Paper Award, 6th Asian Symposium on Information Display, Xi’an, China (2000)
- Certificate of Special Congressional Recognition, US House of Representatives (2000)
- Citation of Excellence, Rhode Island House of Representatives (2000)
- NSF Summer Institute Fellowship, NTT Cyber Space Laboratories, Japan (2000)
- NSF Fellowship to attend SILC Liquid Crystal School, Slovenia (2000)
- NASA Graduate Student Researcher Fellowship, NASA Goddard Space Flight Center (1999)
- Highly Rated Paper at the Society for Information Display Annual Meeting (1999)
- Recognition Award, National Space Grant and Fellowship Program (1999)
- NASA RI Space Grant Research Fellowship (1998)

8. PROFESSIONAL ORGANIZATIONS

- Institutional Leader, Center for the Integration of Research, Teaching, and Learning (CIRTL)
- Co-Director, UTeach (Drexel representative)
- Senior Member, IEEE
- Member, Council of Graduate Schools
- Member, American Society for Engineering Education (ASEE)
- Member, AAES K-12 Competencies Project (2017 – 2018)
- Member, IEEE USA K-12 STEM Committee (2015 – 2017)
- Vice-Chair, IEEE Philadelphia Section (2014-2016)
- Member, International Liquid Crystal Society (ILCS) (2000 - 2012)

9. STUDENT SUPERVISION

Post Doctoral Students

- Katie Van Aken, Ph.D. (2017 - 2019)
- Jamie Kennedy, Ph.D. (2016 - 2017)

- Andrew Reid, Ph.D. (2005-2007)

Graduate Students Currently Advised

- Ann Sitarz, Ph.D candidate (2022), Drexel University
- Vahideh Abdolazimi, Ph.D candidate (2020), Drexel University
- Marquise Pullen, Ph.D candidate (2019), Drexel University
- Austin Ekeler, M.Sc. Candidate (2019), Drexel University

Doctoral Students Advised to Completion

- Bill Mongan, Ph.D. (2018) Drexel University
 - Currently Teaching Professor & Associate Department Head for Undergraduate Affairs, Department of Computer Science, Drexel University
- Alyssa Bellingham, Ph.D. (2017), Drexel University
 - NSF Graduate Research Fellowship (2013–2016)
 - Currently Assistant Director of Assessment at CASTLE, Drexel University
- Bin Li, PhD (2016), Drexel University
 - Currently Electrical Engineer at Surgisense Corporation
- Yang Gao, PhD (2015), Drexel University
- Brandon Terranova, PhD (2015), Drexel University
 - Currently Assistant Teaching Professor, Drexel University
- Yohan Seepersad, PhD (2015), Drexel University
 - Currently at Lam Research Corporation
- Jamie Kennedy, PhD (2015), Drexel University
 - NSF GK-12 Fellow (2012–2013) DoE GAANN Fellow (2013–2014)
 - Currently Assistant Teaching Faculty, Engineering Education, The College of New Jersey
- Ben Pelleg, PhD, Electrical Engineering (2014), Drexel University
 - NSF GK-12 Fellow (2008–2011)
 - Currently Senior Professional Staff at The Johns Hopkins University Applied Physics Laboratory
- Jared Coyle, PhD, Electrical Engineering (2013), Drexel University
 - NSF GK-12 Fellow (2011)
 - NSF IGERT Fellow (2008, 2009)
 - Currently Enterprise Architect at SAP America
- David A. Delaine, PhD, Electrical Engineering, (2012), Drexel University
 - NSF BRIDGES Fellowship (2005–2007)
 - NSF Graduate Research Fellowship (2007–2010)
 - Fulbright Scholar at University of Sao Paulo, Brazil
 - Currently Assistant Professor, Engineering Education Department, The Ohio State University
- Sameet Shriyan, PhD, Electrical Engineering (2011), Drexel University
 - Drexel COE Engineering Teaching Fellow (2007-2010)
 - Currently at KLA-Tencor in San Jose. CA

- Kashma Rai, PhD, Electrical Engineering (2009), Drexel University
- Anna Fox, PhD, Electrical Engineering (2009), Drexel University
 - National Research Council Postdoc Award at NIST, Boulder
 - NSF Graduate Research Fellowship (2006–2009)
- Michael Ermold, PhD, Electrical Engineering (2006), Drexel University
 - Thesis: Holographic Optical Elements with Electro-optic Control
 - NASA GSRP Fellowship (2003, 2004, 2005)
 - Drexel University Koerner Fellowship (2004, 2005)
 - SPIE Student Research Award (2004)
 - Currently at Coherent, Inc. in Stanford, CT
- Hemang J. Shah, PhD, Electrical Engineering (2007), Drexel University
 - Thesis: Engineered Interfaces for Liquid Crystal Technology
 - Drexel University Hill Fellow (2005)
 - NIST Summer Fellowship (2003)
 - Currently at Qualcomm, Inc. in San Diego, CA

Masters Students Advised to Completion

- Elizabeth Plowman, Ph.D. Program (2015), Drexel University
 - NSF Graduate Research Fellowship (2011–2014)
- Sylvia Herbert, Mechanical Engineering (2014), Drexel University
- Michael Warde, Electrical Engineering (2008), Drexel University
- Joshua R. Freedman, Electrical Engineering (2007), Drexel University
 - NSF IGERT Fellow (2005, 2006)
- William Norman, Electrical Engineering (2007), Drexel University
- Kashma Rai, Electrical Engineering (2006), Drexel University
- Hemang J. Shah, Electrical Engineering (2004), Drexel University

10. EXPERT TESTIMONY (CONSULTING)

- In RE: TFT-LCD (Flat Panel) Antitrust Litigation, Class Action Plaintiffs
 - *United States District Court, Northern District of California, San Francisco Division*
 - May 25, 2011: Expert Witness Report
 - August 3, 2011: Deposition
 - May 22 – 23, 2012: Trial Testimony
- LaserLock Technologies, Inc. v. WS Packaging Group, Inc.
 - *United States District Court, Western District of Pennsylvania*
 - January 2012: Retained as Technical Expert for Plaintiffs
 - April 25, 2012: Declaration for Plaintiffs
- In RE: TFT-LCD (Flat Panel) Antitrust Litigation, Direct Action Plaintiffs

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.