

Curriculum Vitae – July 29, 2021

Diane Turnshek

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421 W Circle Ave Pittsburgh, PA 15207

US Citizenship

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- Education:** **University of Arizona**, Tucson, AZ
Master of Science, Astronomy (1981)
Dr. Eric R. Craine, advisor
- Villanova University**, Philadelphia, PA
Bachelor of Science, Astronomy (1977)
- Experience:** **Carnegie Mellon University**, Pittsburgh, PA
Special Lecturer, Department of Physics (September 2012 to present)
- Instructor for introductory astronomy class and lab (Fall 2012, 2013, 2016, 2017, 2018 and Summer 2013, 2014, 2017, 2018, 2021)
 - Instructor for experimental physics lab (Spring 2013, 2014, 2015, 2016)
 - Taught MCS Core classes, Eureka! (Fall 2019, 2020), Propel “Science Communication” (Spring 2019, 2020), a series of half-semester wellness classes (Fall 2019 – current), and Skyglow, a 10-week research class, Summer 2020, 2021
 - Physics demonstration manager
 - CONCEPTS outreach coordinator
 - Summer Academy of Math and Science (SAMS) light pollution class instructor, second summer session 2018
- Instructor CMU OSHER Lifelong Learning class on light pollution “Return of the Bright Starry Night” (Summer 2017), Stars (2020) and an OSHER Lecture on sustainable housing (March 2021)
- Instructor, English Department, upper-level creative writing class (Summer 2013)
- Outreach Coordinator, Department of Physics (November 2010 to September 2012)
- Administrator for departmental business
 - Instructor for introductory astronomy class and lab (Summer 2011, 2012, Fall 2011)
- Special Lecturer, Department of Physics (August 2008 to November 2010)
- Instructor for introductory astronomy class and lab (Fall 2008, 2009, 2010)
- University of Pittsburgh**, Pittsburgh, PA
Adjunct Lecturer, Department of Physics and Astronomy (August 2001 to present)
- Instructor for courses “Stars, Galaxies and the Cosmos,” “Stonehenge to Hubble” and “Physics and Science Fiction”
 - Faculty advisor for the Dr. Who Club (2012 to 2018)
- Allegheny Observatory
- Lecture Series Coordinator (2007 to present)

- Adjunct Lecturer appointment and Outreach Coordinator (May 1, 2015 to April 30, 2021)

Astronomy Outreach Coordinator (January 1989 to 2005)

- Utilized grants from NASA and NSF to extend educational boundaries of the University to the surrounding community, especially targeting gifted children in grades K-12
- Participated in annual University Science Academy and ran career discussions with HS students

Astronomy Researcher, Allegheny Observatory (January 1981 to May 1984)

- Observed exoplanets with MAP array on the 30" Thaw refractor

Osher Lifetime Learning Institute, University of Pittsburgh, Pittsburgh, PA

Lecturer

- Instructor for astronomy class (May – June 2010, May – June 2014)
- Co-Instructor for class on light pollution "Return of the Bright Starry Night," (May – June 2017)
- Lecturer on sustainable housing (March 2021)

Prometic, Dundalk, Co Louth, Ireland

Test development for DSST Astronomy Exam (August 2015)

- Standard Setting work

Parsec, Inc., Pittsburgh, PA

President, Board of Directors, January 2012 – Dec 2014, January 2018 to 2019

- Coordinated four branches of the non-profit
- Founded a new lecture series/workshop at CMU for promoting literacy in Pittsburgh, Partners in Speculative Fiction

Sapling Learning, Austin, TX

- Online astronomy content writer (May to September 2013)

St. Vincent College, Latrobe, PA

Adjunct Faculty, Physics Department (January 2003 to December 2011)

- Instructor for introductory astronomy course and laboratory

Adjunct Faculty, English Department (Spring 2009)

- Developed and taught upper-level creative writing class "How to Write SF/F/H"

Seton Hill University, Greensburg, PA

Adjunct Faculty, Writing Popular Fiction MFA Program (January 2002 to June 2011)

- Lecturer
- Mentored graduate students

Community College of Allegheny County, Pittsburgh, PA

Adjunct Faculty, Dept. of Physics and Chemistry (August 2008 to December 2009)

- Instructor for up to three introductory astronomy classes per term

Sinclair Community College, Dayton OH

Adjunct Faculty (August 2009 to June 2010)

- Instructor for online astronomy labs

Squonk Opera Company, Turtle Creek, PA

Outreach Coordinator (September 2007 - October 2008)

- Set up pre-events for the outdoor show, Astro-rama
- Coordinated astronomy outreach activities with K-12 students
- Scientific advisor for artists and writers
- Interacted with the media

Science Fiction and Fantasy Writers of America

Board of Directors, Eastern Regional Director (July 2004 to June 2007)

- Ran the annual weekend business meeting and Nebula Awards Ceremony in May 2007 and the Publishers Reception each November in New York City
- Coordinated volunteers
- Provided guidance to SFWA committees
- Worked with educational groups to promote literacy
- Created promotional materials publicizing SFWA authors
- Interacted with the media

Carnegie Science Center, Pittsburgh, PA

Planetarium Operator (January 1982 to May 1984)

- Developed and implemented planetarium shows

Carlow College, Pittsburgh, PA

Adjunct Faculty (August 1981 to 1982)

- Instructor of astronomy, geology and Earth science courses

Chatham College, Pittsburgh, PA

Instructor (January 1982)

- Instructor of intensive astronomy course

University of Arizona, Tucson AZ

Research Assistant in Astronomy Department (September 1978 to August 1981)

- Studied objects using the Near Infrared Photographic Sky Survey
- Published book of cool standard stars
- Wrote popular astronomy articles

Boston University, Boston MA

Graduate Teaching Assistant in Astronomy Department (September 1977 – May 1978)

- Assisted Astronomy 101 classes and labs

Publication List

ORCID ID: <https://orcid.org/0000-0001-5259-5534>

GoogleScholar: <https://scholar.google.com/citations?hl=en&user=jpGgJqwAAAAJ>

ResearcherID: P-5982-2018

Peer-reviewed papers:

Under consideration: The benefit of multiple angle observations for visible band remote sensing using night lights, Kyba, Christopher C.M.; et. al., 2021

<https://www.essoar.org/doi/10.1002/essoar.10507575.1>

Two newly discovered S stars in a list of faint red objects, Craine, E. R.; Turnshek, D. E.; Turnshek, D. A.; Boeshaar, P. C., *Astronomical Society of the Pacific, Publications* (ISSN 0004-6280), Vol. 95, March 1983, p. 185-191. 03/1983

An Optical Three-Way Split - Triple Quasar PG1115+08, Weymann, R. J.; Latham, D.; Angel, J. R. P.; Green, R. F.; Liebert, J. W.; Turnshek, D. A.; Turnshek, D. E.; Tyson, J. A. Publication: *SCIENCE NEWS* V.118, p. 4, 1980, 00/1980

The triple QSO PG1115+08 - Another probable gravitational lens, Weymann, R. J.; Latham, D.; Roger, J.; Angel, P.; Green, R. F.; Liebert, J. W.; Turnshek, D. A.; Turnshek, D. E.; Tyson, J. A., *Nature*, Vol. 285, p. 641-643, June 26, 1980

Spectroscopic and polarimetric observations of NGC 1333 and the surrounding dark cloud complex, Turnshek, D. A.; Turnshek, D. E.; Craine, E. R. *Astronomical Journal*, Vol. 85, p. 1638-1643, 12/1980

Science Publications: (Publications before 1980 are under the name Diane Routsis.)

Our Pittsburgh Constellation, D Turnshek, *Proceedings of the 29th International Astronomical Union: Astronomy in Focus XXIXA*, Cambridge University Press, p. 497, 2016

"Our Pittsburgh Constellation," *Great Lakes Planetarium Conference Proceedings*, October 27, 2012, <http://www.glpaweb.org/proceedingsab2012>

Carnegie Mellon University Physics Concepts Program (P63), Diane Turnshek and Leonard Kisslinger, *Carnegie Mellon University, Astronomical Society of the Pacific, Connecting People to Science*, Baltimore, MD, July 2011

CCD Imaging of Four Southern Polar Ring Galaxies, Turnshek, D. E.; Sackett, P. D.; Jarvis, B. J., *American Astronomical Society, 180th AAS Meeting, #49.12; Bulletin of the American Astronomical Society*, Vol. 24, p. 810, 05/1992

Book-Review - an Atlas of Digital Spectra of Cool Stars, Turnshek, D. E.; Turnshek, D. A.; Craine, E. R.; Boeshaar, P. C., *SKY AND TELESCOPE* Vol. 73, NO. 4/APR, p. 395, 1987 (S&T Homepage) 04/1987

An Atlas of Digital Spectra of Cool Stars (Types G, K, M, S and C), D. E. Turnshek, D. A. Turnshek, E. R. Craine, P. C. Boeshaar. *Astronomy and Astrophysics Series*, Vol. 1. Western Research Company, 2030 E. Speedway Suite 213, Tucson, Arizona 85719, USA. 6+17 pp.+75 charts. Price US\$ 30.00 (1985). ISBN 0-934525-00-5. Publication Date: 00/1985

MK Criteria Applied to a Scanner Spectral Atlas of the Cooler Stars, Turnshek, D. E.; Boeshaar, P. C. The MK Process and Stellar Classification, Proceedings of the Workshop in honor of W.W. Morgan and P.C. Keenan, held at the University of Toronto, Canada, June 1983. Edited by R.F. Garrison. Toronto: University of Toronto, David Dunlap Observatory, 1984, p. 77, 00/1984

Ground-Based Astronomy in the Space Age, Turnshek, D.; Turnshek, D.; Vilas, F., the 1980 Scientific Meeting of the Astronomical-Society, ASTRON. SOC. OF THE PACIFIC. MERCURY Vol. 10, p. 22, 1981, 00/1981

Spectroscopic Observations of Near Infrared Photographic Sky Survey Objects, Turnshek, D. E.; Craine, E. R.; Boeshaar, P. C.; Turnshek, D. A., Bulletin of the American Astronomical Society, Vol. 12, p. 463, 03/1980

The Spectrum of 1548C27, Craine, E. R.; Boeshaar, P. C.; Turnshek, D. A.; Turnshek, D. E., Bulletin of the American Astronomical Society, Vol. 12, p. 843, 09/1980

Spectroscopic Observations of Two New Pure S Stars Authors: Boeshaar, P. C.; Craine, E. R.; Turnshek, D. E., Bulletin of the American Astronomical Society, Vol. 12, p. 828, 09/1980

Near Infrared Photographic Sky Survey I. Some Survey Applications, Craine, E. R.; Imhoff, C. L.; Turnshek, D. A.; Routsis, D. E. Bulletin of the American Astronomical Society, Vol. 12, p. 406 03/1979

Near Infrared Photographic Sky Survey II. Spectroscopy of Survey Objects in a Selected Field, Routsis, D. E.; Turnshek, D. A.; Craine, E. R., Bulletin of the American Astronomical Society, Vol. 12, p. 406, 03/1979

Near Infrared Photographic Sky Survey III. Spectroscopy and Polarimetry in a Dark Cloud Complex, Turnshek, D. A.; Craine, E. R.; Routsis, D. E., Publication: Bulletin of the American Astronomical Society, Vol. 12, p. 406, 03/1979

Near infrared photographic sky survey. 1: Catalog of red stellar objects, Craine, E. R.; Duerr, R. E.; Horner, V. M.; Imhoff, C. L.; Routsis, D. E.; Swihart, D. L.; Turnshek, D. A., 08/1979

Information Reflecting the Candidate's External Reputation

1.) Citations and Awards:

Dark Sky Defender Award from the International Dark-Sky Association (2015)
Led CMU's winning "Life in Space" team in the HP-Intel NASA competition to make life better for astronauts (2017)
Won second place in the architecture category for Mars City Design's international competition with CMU graduate Matthew Finlay (2017)
Amateur Astronomers Association of Pittsburgh, Lois Harrison Award (2018)

2.) Invited public talks:

MENSA National Gathering, "Using Pseudoscience to Teach Science" and "Science of the Future," Summer 2012

Great Lakes Planetarium Conference, Keynote speaker, "Our Pittsburgh Constellation" October 27, 2012

Allegheny Observatory Public Lecture Series in Astronomy

- "Science and Science Fiction"
- "Using Pseudoscience to Teach Science"
- "Online Astronomy Education"
- "De-Light the Night" February 20, 2015
- "Organics on Mars" June 15, 2018

TEDxPittsburgh, Byham Theater, Pittsburgh, PA, "De-Light the Night," May 23, 2015

Mars New Year, Mars, PA, "My Martian Adventure," May 2015

PA Conference for Young Women in Physics, "This Way Up," April 2016

STARLIGHT, BEYOND LIGHT POLLUTION Leadership Training Forum, La Palma, Canary Islands, "6000 Hostages," July 6, 2016

MENSA Regional Gathering, "De-Light the Night," Mars, PA, September 4, 2016

Café Scientifique, Carnegie Science Center "Light Up the Sky with Stars," December 12, 2016 and 2021

Mahoning Valley Astronomical Society, West Farmington, OH, "Your Light Pollution Defense Kit," March 25, 2017

Ignite Talk, SFWA's Nebula Awards Weekend, Pittsburgh, PA, "Lights Out," May 18, 2017

Dark Skies Event, Canaan Valley, Tucker County, WV, "Dark Skies," July 25, 2017

First Unitarian Church of Pittsburgh, Sunday Morning FORUM, Pittsburgh, PA "Light Switch" November 5, 2017

Rittenhouse Astronomical Society, Franklin Institute, Philadelphia, PA, "Light Pollution Defense Kit," November 8, 2017

2018 Public Library Author Series, Uniontown, PA, "Turning Teens into Published Authors," January 20, 2018

Cooper-Siegel Community Library, Pittsburgh, PA, "The First Martians," June 21, 2018

STEM Speaker Series, Robert Morris University, "Dark Skies over Pittsburgh" June 27, 2018

Dark Skies Event, Canaan Valley, Tucker County WV, "Protecting Spectacular West Virginia Dark Skies," August 11, 2018

MENSA Regional Gathering, "Cosmological Magnetic Fields," Mars, PA, September 2, 2018

Steel City Speculative Series, Triangulation Reading, Steel Valley Roasters, Pittsburgh, PA, November 5, 2018

Dark Skies Reading at CMU, "Artificial Light Survey of Nighttime Pittsburgh," September 11, 2019 (with author Mary Soon Lee)

International Dark Sky Association Annual General Meeting "Fueling Outreach with New Data," November 11, 2019

TEDxCMU Virtual Innovation Expo "International Dark Sky Association Interview," October 26, 2020

Carnegie Science Center Café Scientifique, "Are Dark Skies in Our Future?" October 5, 2020

Spectroscopy Society of Pittsburgh, "Dark Skies: An Endangered Natural Resource,"
October 14, 2020

Western Pennsylvania American Association of Physics Teachers, "Skyglow," November
7, 2020

Astronomical Society of the Pacific, "Skyglow, a 10-week, Summer, Remote, Research
Class on Dark Skies" December 5, 2020

The Frick, "Where Have the Stars Gone?" January 2021

"Light Pollution 101" for the City of Pittsburgh Department of Mobility and
Infrastructure, March 11, 2021

Colorado International Dark Skies Association (with Richard O'Brien), "Light Pollution
Project Exchange," March 11, 2020

Temporal Belongings Conference: The Material Life of Times, "Alteration in the
Experience of Dark Nights Due to Artificial Light," March 16, 2021

The Frick, "In Conversation: The Art and History of the Night Sky," April 8, 2021

PA Conference for Young Women in Physics, "Blue Sky Thinking, with Stars," April 24,
2021

Guest lectures for classes at CMU:

Physics Department class "Public Speaking and Writing for Grad Students" with Amy
Stetten (2015 - 2017)

"Martian Architecture Design," taught by Christine Ciardullo, Spring 2016

"Alien Linguistics," taught by Thomas Werner Fall 2017

"Lighting Architecture," taught by Cindy Limauro, undergraduate, Spring 2018, 2019
and graduate course, Spring 2018, 2019

Intercultural Communication Center talk on communicating physics with international
teaching assistants, Winter 2018

"Futuristic explorations" taught by Ralph Vituccio at CMU's Entertainment Technology
Center (March 2021)

"Beyond Earth" Dietrich College Freshman Seminar taught by Peter Freeman and
Thomas Werner (April 2020, 2021)

3.) Editor, Triangulation: Speculative Fiction, Parsec Ink

A Confluence of Speculative Fiction (2003)

Dark Skies (2019)

Extinction (2020)

Habitats (2021)

4.) Offices Currently Held

At-large member elected to IAU Commission Organizing Committee (2018 – 2021, 2022 - 2025)

B7: Protection of Existing and Potential Observatory Sites (working with the UN), Head of
Technical Working Group

Professional Society Membership:

International Astronomical Union

American Astronomical Society

American Physical Society

Science Fiction and Fantasy Writers of America (Board of Directors, Eastern Regional Director 2004 to 2007)

Other memberships:

American Association of Physics Teachers
Astronomical Society of the Pacific
Amateur Astronomers Association of Pittsburgh
American Association of Variable Star Observers
International Dark-Sky Association
Mars Society
Planetary Society
National Space Society
Astronomical League
MENSA

5.) Committee Work outside the University:

Faculty advisor and mentor for Pitt researcher and astronomy outreach organizer Anna Voelker (Ohio State) since 2015 (Anna Voelker won the 2018 \$100,000 OSU President's Prize, is a 2018 Brooke Owens Fellow, and is being mentored by astronaut Anousheh Ansari.)

CSC Buhl Academy Fellow, Spring 2015

Worked with City of Pittsburgh's Office of Sustainability to organize International Year of Light and Earth Hour events, 2015 – 2016

Member of Mayor-Elect Bill Peduto's Transition Team, November and December 2013

Participated in AAS Congressional Visits Day and Communication with Washington, 2010, 2011 and 2013 and the Space Exploration Alliance Congressional Blitz (2017)

Ran Teen Programming at WorldCon in 2001 and writing workshops at many more cons

Founder/executor of Alpha, the SF/F/H Workshop for Young Writers, a 12-day, genre, residency, writing workshop for teens 14 to 19 years old, from 2002 to present

Creator of the Pyr Street Team, a viral marketing venture in publishing

Developer of small press, publishing company PARSEC Ink, edited the first of its yearly Triangulation anthologies in 2003

Founder of the WorD writing/critiquing group, meeting biweekly 1996 - present

Worked with Sally Ride and the Expanding Your Horizons science outreach efforts

Delivered hundreds of public talks on astronomy, physics, light pollution and writing

Quoted in Post-Gazette, Pittsburgh Tribune-Review, The Verge, The Washington Post,

The Dispatch, CMU's Piper, Tartan, and Home Page stories, University of Pittsburgh's

Pitt News and University Times, interviewed on local radio (including NPR's WESA

station), filmed for KDKA evening news, filmed for Heinz History Center, invited to be a

Hotel Mars radio guest on The Space Show and the John Batchelor Show with 1M

listeners (February 1, 2017), etc.

Education and public outreach (invited by pre-K-12 schools, gifted education programs, church groups, homeschoolers, AAAP, school clubs, PTOs, gifted education groups, etc.)

Podcasts at 365 Days of Astronomy and three times on Gateworld: "The Science of the Stargate Universe"

Founder of pghconstellation.com, which tracks events of interest to astronomy enthusiasts in Western, PA (2014 - present)

Member of the Teacher Advisory Panel at the Carnegie Science Center (2014 - 2019)

Participated in a NASTAR study on how to train citizens for civilian spaceflight, in a 6G centrifuge designed for astronaut training (June 2016)
Second place in architecture for the Mars City Design Competition (November 2017)
Founder and head of the International Dark-Sky Association Pittsburgh Chapter, IDAPgh.org (March 2017 - 2019)
Board of Directors for the Pennsylvania Chapter of the International Dark Sky Association (2019 – present)
Curated three space art galleries since 2017 (at Assemble, Neu Kirche Contemporary Art Center, The Copyleft Gallery)
Organized book signings for over 300 authors since 2018

6.) Consulting:

7.) Contract and grant support:

2015 AAS Travel Grant (\$1200) for IAU meeting, Honolulu Hawaii
2015 grant from the City of Pittsburgh for IAU conference presentation (\$640)
1989 to 2005, numerous NSF and NASA astronomy outreach grants through University of Pittsburgh
Two weeks of summer salary support from Tina Kahniashvili for outreach 2017, 2018
One month of summer salary support from Rupert Croft for outreach 2020

Grants, not including salary support:

2015 Sprout Fund Big Idea grant recipient for “Cosmic Connections” (\$1000)
2014 Education Grant from SFWA for YA Lecture Series (\$2000 in 2014, \$3000 in 2015) and for Alpha, the SF/F/H Workshop for Young Writers (\$1000 in 2015, \$2500 in 2016)
2014 ProSEED Grant, CMU for YA Lecture Series (\$1500)
2014 Heinz Endowments Astronomical Footprint grant with the Pittsburgh City Department of Innovation and Performance (\$25,000) for “Our Pittsburgh Constellation”
2014 Heinz Endowments grant for Alpha, the SF/F/H Workshop for Young Writers (\$10,000)
2018 Metro21, “Artificial Light Survey of Nighttime Pittsburgh,” with Stephen Quick, \$80K

8.) Reviews of Publications:

Book-Review - an Atlas of Digital Spectra of Cool Stars, Turnshek, D. E.; Turnshek, D. A.; Craine, E. R.; Boeshaar, P. C., SKY AND TELESCOPE Vol. 73, NO. 4/APR, p. 395, 1987 (S&T Homepage) 04/1987

Service and Committee Work within Carnegie Mellon University:

University:

Faculty co-advisor for CMU Astronomy Club (2011 - present)
Faculty advisor for Partners in Speculative Fiction CMU student club (2014 - present)
Faculty co-advisor for CMU Rocket Command 2020 to present)
Faculty advisor for KGB (2020 to present)
Faculty advisor for Stuco: Science Fiction and Fantasy Literature (Jan 2012 - May 2014)
Faculty advisor for Stuco: Mythology (Fall 2010 - Spring 2011)

Thesis committee for CMU grad student Daniel Wilcox for his MFA in Art (2013 - 2015)
Gelfand Center Education & Outreach Award Nomination Review Committee, Fall 2013
Founder/executor of YA Lecture Series, now called the Speculative Lecture Series at CMU (2014 - present)

Hosted Carnegie Mellon Women's Association events (2012, 2014)

CMU Campus Outreach: Take Your Daughters and Sons to Work Day, Society for Women Engineers High School Event, Venus Transit Event, SciTech Day presenter, Admission Dept. Educational Day

Faculty advisor for winning team of CMU engineering students in the HP-Intel "Life in Space" competition to make life better for the astronauts aboard the ISS (2017)

Second place winner in the 2017 Mars City Design Competition (Architecture category) with CMU alumnus Matt Finlay.

Staff Council Sustainability Committee member 2017 - present

College:

CMU Adhoc Special Faculty Committee for Q-Review, Fall 2013, 2016 – 2020

Huge Young Award: Committee 2020 and Lead 2021

Departmental:

CMU Women in Physics weekly lunch co-organizer (2010 – 2014)

Crew 120, Mars Desert Research Station (with CMU graduate student Nora Swisher), Dec. 2012, including speaking role in the 2015 documentary "Above and Below"

Co-organizer of Constructive Interference, Women and Minorities in Physics

Committee Head for Physics "Scotty Goes Green Team"

Ran a full-day conference on light pollution "Dark Skies," June 1, 2019

Active member of Physics Outreach Committee

Organizational committee for the Conference for Undergraduate Women in Physics, January 2020

Contributions to Education:

CMU Courses taught:

Skyglow Research 99-520 Summer 2020, 2021

Intro to Astronomy, 33-124 (Fall, 2008, 2009, 2010, 2011, 2012, 2013, 2016, 2017, 2018, Summer 2011, 2013, 2014, 2017, 2018, 2021)

Summer Academy for Math and Science (SAMS) class on Astronomy: Light Pollution, Summer 2018

Experimental Physics, 33-104 (Spring 2013, 2014, 2015, 2016)

Physics Department class, "Teaching the TAs to Teach" (August 2012 to 2015, 2017, 2018)

English Department, 76-264 "SP PJ CREATV WRITNG" (Summer 2013)

Pitt Courses taught:

Introduction to Astronomy, Astron 0089 (Summer 2013, 2014 and earlier classes)

Stonehenge to Hubble, Astron 0088 (Spring 2017, 2018, Summer 2016, Fall 2014, 2015)

Physics of Science Fiction, Physics 0089 (Spring 2012 and two earlier classes)

Fiction and Nonfiction:

"Tempered with Heat" Out of JJ's Attic Vol. 2, 1999.

"Dancing in the Light" December 1999, Analog Magazine

"Hullabaloo" July/Aug 2000, Analog Magazine

"Extreme Geas" Six from PARSEC, a PARSEC Ink anthology, JJ Walton, editor, 2000
"How to Write a Science Fiction and Fantasy Love Scene" June, July 2000 SF&F
Workshop Newsletter
"The Queen of Self-Help" Canadian SF magazine Challenging Destiny, No. 11, December
2000
Web-published SciFaiku poem "Vanadium" (Element #23) at iSciFiStory.com
"Alien Pygmalion" ROUGH BEASTS edited by Sandra Kasturi, Lone Wolf Publications,
December 2001
"Decoupage" the-phone-book.com Version 9, March 1, 2003 issue
"Sheep" the-phone-book.com Version 9, March 1, 2003 issue
"21-Bubblegum Salute" the-phone-book.com Version 9, March 1, 2003 issue
"Spark of Hope" storyhouse.com, August 18, 2004
"101 Ways to Show Your Characters Are in Love" February 2006 issue of SF&F Workshop
Newsletter
Many Genres/One Craft, contributor, eds. Arnzen and Miller 2011
"Queen of Self-help" reprinted in the Hazard Yet Forward anthology, August 5, 2012
"Christmas on Mars" SF Signal Guest Post, Dec. 25, 2012
"Hullabaloo" reprinted in Drabblecast 276, March 19, 2013
"Asteroid Zoup" Liquid Imagination, May 10, 2013
"Great SF/F Stories by Women" SF Signal Mindmeld, July 24, 2013
"Science Fiction Technologies" SF Signal Mindmeld, Dec. 2013
"Moms Rule" Analog Magazine, April 2014
"Vegan" in Parch anthology, Triangulation, Parsec Ink, November 2014
"Etymology of WorD" in the anthology Knee Deep in Little Devils 2018

Skills: MS Word, PowerPoint, Keynote, Outlook, Excel, HTML, Audacity, printing/publishing software, technical writing, podcasting, public speaking, machine shop operation, CMU driving certification, motorcycle license, Red Cross First Aid, CPR and AED certification