

Curriculum Vitae

Kimberly L. Onstott EdD, RT(R)(CT)(MR), MRSO(MRSC™)

Midwestern State University
Assistant Professor, Radiologic Sciences
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Current Title

Assistant Professor and Advanced Modalities Program Coordinator, Radiologic Sciences College of Health Sciences and Human Services, Shimadzu School of Radiologic Sciences Midwestern State University

Education

- EdD Educational Technology (2019) Boise State University-Boise, ID
- MSRS, Master of Science in Radiologic Sciences (2012) Midwestern State University-Wichita Falls, TX
- BSRS, Bachelor of Science in Radiologic Science (2000) Midwestern State University-Wichita Falls, TX
- AAS, Associate of Applied Science in Radiologic Science (1999) Midwestern State University-Wichita Falls, TX

Professional Certifications

- Magnetic Resonance Safety Officer (MRSO)(MRSC™)- American Board of Magnetic Resonance Safety (ABMRS), Since 2020-present
- Magnetic Resonance Imaging-American Registry of Radiologic Technologists (ARRT), Since 2008-present
- Computed Tomography- American Registry of Radiologic Technologists (ARRT), Since 2005-present
- Radiography- American Registry of Radiologic Technologists (ARRT), Since 1999 – present
- Basic Life Support for Health Care Providers -American Heart Association, Since 1998-present
- Certified Medical Radiologic Technologist-Texas Medical Board formally under Texas Department of State Health Services, Since 1998-present
- Mental Health First Aider (MHFA)-Area Health Education Centers, 2023-present

Professional Experience

- Advanced Modalities Program Coordinator (CT, MRI, Mammography), Midwestern State University, Wichita Falls, TX (2020-present)
- Assistant Professor and CT Program Coordinator, Midwestern State University, Wichita Falls, TX (2013-present)
- Practicum, St. David's North Austin Medical Center, Austin, TX (2012)
- MRI/CT Technologist, Comanche County Memorial Hospital, Lawton, OK (2009-2014)
- MRI/CT/Radiology Technologist Clinics of North Texas, L.L.P., Wichita Falls, TX (1999-2009)
- Radiographer, United Regional Health Care System, Wichita Falls, TX (1999-2000)
- Radiology Coordinator/Radiographer, United Regional Health Care System WF, TX (1998- 1999)

RESEARCH AND SCHOLARLY ACTIVITY

Presentations

- Leaving Gravity Behind: MRI Effects of Microgravity on Human Physiology, presentation for the Association of Collegiate Educators in Radiologic Technology ACERT 48th Annual Conference, Las Vegas, NV, February 10, 2023
- MRI Safety: It's Not Just About the Magnet, presentation for the Texas Society of Radiologic Technologists 91st Annual Meeting and Educational Symposium, Wichita Falls, TX, April 9, 2022
- Impact of Virtual Scenario-based Branching Simulations Among Radiology Program Students, presentation for the Association of Collegiate Educators in Radiologic Technology ACERT 47th Annual Conference, Las Vegas, NV, February 10, 2022
- MRI Breast Imaging and Interventional Techniques, presentation for Texas Society of Radiologic Technologists Annual Conference, Wichita Falls, TX, October 9, 2021
- Impact of Virtual Scenario-based Branching Simulations Among Radiology Program Students - presentation for Texas Society for Advancement of Health Professions 43rd Annual Conference, Galveston, TX, Virtual, September, 2021
- Perceived Impact of Virtual Scenario-Based Branching Simulations Among Radiology Program Students, dissertation defense presentation at Boise State University, Boise, ID, December 2019
- Safety Concerns in MRI- Guest Lecturer MSU BSRT Orientation to Clinical Education, presentation at MSU, Wichita Falls, TX, July 2019
- Safety Concerns in MRI- Guest Lecturer MSU BSRT Orientation to Clinical Education, presentation at MSU, Wichita Falls, TX, April 2018
- Safety Concerns in MRI- Guest Lecturer MSU BSRT Advanced Radiographic Procedures course , Wichita Falls, TX, April 2017
- Contrast Media Safety Concerns in CT and MRI Imaging, presentation at Oklahoma Society of Radiologic Technologists Annual Seminar, Owasso, OK, April 2016
- Safety Concerns in MRI- Guest Lecturer MSU BSRT Advanced Radiographic Procedures course , presentation at MSU-Wichita Falls, TX, April 2016
- Safety Concerns in CT and MRI- Guest Lecturer MSU MSRS Trends, presentation at MSU-Wichita Falls, TX, May 2015
- Safety Concerns in CT and MRI-Clinical Educators Seminar, presentation at MSU- Wichita Falls, TX- October 2014
- Safety Concerns in CT and MRI-Temple, TX- Central Texas Veterans Healthcare System, Presentation-July 2014

Refereed Journals

- Snelson, C., Wertz, C. I., Onstott, K., & Bader, J. (2017). Using World of Warcraft to teach research methods in online doctoral education: A student-instructor duoethnography. *The Qualitative Report*, 22(5), 1439-1456.
- Vela, J. H., Wertz, C. I., Onstott, K. L., & Wertz, J. R. (2017). Trauma imaging: A literature review. *Radiologic Technology*, 88(3), 263-276

Directed Readings

- Onstott, K. (2022). MRI infection control. *Radiologic Technology*,
- Sedden, M., Fisher, R., & Onstott, K. (2021). Computed Tomography for Emergent Brain

Injuries. *Radiologic Technology*, 92(5), 487-504.

Works in progress

- Onstott, K. (2023). Impact of virtual scenario-based branching simulations among radiology program students. Submitted to *Radiologic Technology*

Applied Research

- Virtual Branching Simulations 2015-present. Independent. Development and ongoing research. Developed 8 virtual simulations combining best practices for simulation-based, scenario-based, and virtual educational learning for MRI and CT imaging.
- UGRCA- Undergraduate Research and Creative Activity Forum, November 2018. Multi-disciplinary. Conceal/Reveal project in which art students used imaging contrast media to create hidden images in their work which was then x-rayed by the radiology students. This collaborative research project was among D. Fain College of Fine Arts and Robert D. and Carol Gunn College of Health Sciences and Human Services faculty and students.
- Min Maker Faire® November, 2017. Multi-disciplinary. Worked with engineering faculty and students to combine the two disciplines for demonstrations of the benefits of collaboration among our disciplines. Educated the public about the ability to use 3D printing to print pathology that could be used for pre-surgical planning and patient education.

PROFESSIONAL INVOLVEMENTS

Professional Memberships

- American Society of Radiologic Technologists –Diagnostic, MRI, and CT Chapter (National)
- Association of Collegiate Educators in Radiologic Technology (National)
- International Society for MR Radiographers & Technologists (ISMRT) (International)
- Lambda Nu Honor Society (National)
- North Texas Radiologic Society (State)
- Texas Society of Radiologic Technologists (State)
- Texas Society of Allied Health Professionals (State)
- Association for Educational Communications and Technology (National) Council on Undergraduate Research (National)

Offices and Appointments

- July 2023 (National) Elected Chair/Delegate-American Society of Radiologic Technologists ASRT Magnetic Resonance Chapter
- October 2022-present (International) Board Member-Intersocietal Accreditation Commission (IAC)-Computed Tomography
- September 2022-present (State) Webmaster-Texas Society of Radiologic Technologists, Inc.(TXSRT)
- September 2022-present (Community)-Vice-President MSU Texas Alumni Association Board
- April 2022-March 2023 (National) American Society of Radiologic Technologists Computed Tomography Curriculum Workgroup
- July 2022-June 2023 (National) member- American Society of Radiologic Technologists Scanner

Editorial Advisory Panel

- May 2022-April 2023 (National) member- American Society of Radiologic Technologists Practice Standards Council Magnetic Resonance Subcommittee
- 2022 (International) nominee-American Society of Radiologic Technologists nominee for the Board of Directors for the Intersocietal Accreditation Commission - Computed Tomography (IAC-CT)
- 2021-2022 (Community)-Secretary MSU Texas Alumni Association Board
- 2014-present (International) Editor- The Internet Journal of Allied Health Sciences and Practice- (IJAHSP)
- 2016-Present (National) member-Association of Collegiate Educators in Radiologic Technology-Royal Domingo Essay Committee
- 2016-2021 (National) chair-Association of Collegiate Educators in Radiologic Technology-Royal Domingo Essay Committee
- 2021-May 2022 (State) member-TXSRT Technology Committee
- 2021-2022 (State) Judge-TXSRT Student Essay Competition Committee
- 2019 (National) nominee- American Society of Radiologic Technologists Delegate for the Magnetic Resonance Chapter
- 2018–2019 (National) Alternate Delegate - American Society of Radiologic Technologists ASRT Magnetic Resonance Chapter
- 2018–2019 (National) Alternate -American Society of Radiologic Technologists ASRT Practice Standards Council Magnetic Resonance Subcommittee
- 2017-2018 (National) member-American Society of Radiologic Technologists Computed Tomography Curriculum Workgroup

TEACHING RESPONSIBILITIES

Fall 2023

- RADS 4703, Principles of Computed Tomography (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online & hybrid; Midwestern State University)
- RADS 4753, Mammography (online & hybrid; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2023

- RADS 4533, Informatics and Imaging (online, Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)
- RADS 4933, Advanced Modalities Special Topics

Spring 2023

- RADS 4753, Mammography (online & hybrid; Midwestern State University)
- RADS 4773, MRI Applications (online & hybrid; Midwestern State University)
- RADS 4783, Computed Tomography Applications (online & hybrid; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Fall 2022

- RADS 4703, Principles of Computed Tomography (online; Midwestern State University)
- RADS 4743 x10 and x21, Magnetic Resonance Imaging (online & hybrid; Midwestern State University)

- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2022

- RADS 4533, Informatics and Imaging (online, Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Spring 2022

- RADS 3503, Research (Lecture; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)
- RADS 4773, MRI Applications (online a& hybrid; Midwestern State University)
- RADS 4783, Computed Tomography Applications (online & hybrid; Midwestern State University)

Fall 2021

- RADS 4703x12 and x20, Principles of Computed Tomography (online & hybrid; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online & hybrid; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2021

- RADS 4533, Informatics and Imaging (online, Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)
- RADS 4783, Computed Tomography Applications (online; Midwestern State University)

Spring 2021

- RADS 3053, 21D Radiographic Procedures II Lab
- RADS 3523, Essentials of Research (Lecture; Midwestern State University)
- RADS 4723, Computed Tomography Physics (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Fall 2021

- RADS 4703x12 and x20, Principles of Computed Tomography (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2020

- RADS 4533, Informatics and Imaging (online, Midwestern State University)
- RADS 4783, Computed Tomography Applications

Spring 2020

- RADS 3523, Essentials of Research (Lecture; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4723, Computed Tomography Physics (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Fall 2019

- RADS 4703x12 and x20, Principles of Computed Tomography (online; Midwestern State University)

- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2019

- RADS 4733, Sectional Anatomy (online; Midwestern State University)
- RADS 4533, Informatics, and Imaging

Spring 2019

- RADS 3503, Research (Lecture; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)

Fall 2018

- RADS 4513 Administration and Supervision (online; Midwestern State University)
- RADS 4783, Computed Tomography Applications (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2018

- RADS 4703, Principles of Computed Tomography (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)

Spring 2018

- RADS 3503, Research (Lecture; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)
- RADS 4703, Principles of Computed Tomography *new course (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)
- RADS 4793, Computed Tomography Applications II (online; Midwestern State University)

Fall 2017

- RADS 4513 Administration and Supervision (online; Midwestern State University)
- RADS 4643, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2017

- RADS 4643, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)

Spring 2017

- RADS 3503, Research (Lecture; Midwestern State University)
- RADS 4123, Data Analysis (online; Midwestern State University)
- RADS 4733, Sectional Anatomy (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)

- RADS 4793, Computed Tomography Applications II (online; Midwestern State University)

Fall 2016

- RADS 4513 Administration and Supervision (online; Midwestern State University)
- RADS 4643, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2016

- RADS 4643, Continuous Quality Improvement in Radiology(online; Midwestern State University)
- RADS 4793, Computed Tomography Applications II (online; Midwestern State University)

Spring 2016

- RADS 3503, Research (online; Midwestern State University)
- RADS 3213, Advanced Clinical Practice Skills (online; Midwestern State University)
- RADS 4123, Data Analysis (online; Midwestern State University)
- RADS 4523, PACS in Radiology (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)

Fall 2015

- RADS 4513 Administration and Supervision (online; Midwestern State University)
- RADS 4643, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2015

- RADS 4733, Sectional Anatomy (online; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)

Spring 2015

- RADS 3213, Advanced Clinical Practice Skills (online; Midwestern State University)
- RADS 3503, Research (online; Midwestern State University)
- RADS 4123, Data Analysis (online; Midwestern State University)
- RADS 4643, Health Law (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)

Fall 2014

- RADS 4513, Administration and Supervision (online; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Summer 2014

- RADS 4643, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4733, Sectional Anatomy (online; Midwestern State University)

Spring 2014

- RADS 3213, Advanced Clinical Practice Skills (online; Midwestern State University)
- RADS 3503, Research (online; Midwestern State University)
- RADS 4123, Data Analysis (online; Midwestern State University)
- RADS 4733, Sectional Anatomy (online; Midwestern State University)
- RADS 4773, MRI Applications (online; Midwestern State University)

Fall 2013

- RADS 4643, Health Law (online; Midwestern State University)
- RADS 4743, Magnetic Resonance Imaging (online; Midwestern State University)
- RADS 4633, Continuous Quality Improvement in Radiology (online; Midwestern State University)
- RADS 4913, Applied Research (online; Midwestern State University)

Professional Development/Educational Programs Attended

- June 1-June 6, 2023 ISMRM/ISMRT International Conference Toronto, Canada
- March 2023 Mental Health First Aide Certification Course, Midwestern State University
- October 10-14, 2022- ISMRM Workshop on Diffusion MRI: From Research to Clinic, Amsterdam, Netherlands
- January-May 2021 RADS 4763 Mammographic Quality Practice Course, Midwestern State University
- May 17-19, 2021 Grants Academy, Midwestern State University-Professional development presented by the Office of Sponsored Programs and Research (OSPR) at MSU with support from the National Institutes of Health.
- June 2020-November, 2020 Rite Advantage MRSO Examination Course

Service

University

- 2023-present Serving on the Quality Enhancement Plan: Institutional Effectiveness (QEP) committee
- 2022- present Serving on the University Website Committee
- 2023- present President for the MSU Alumni Association Board
- 2022-2023 Served on the Alumni Campus/Community Outreach Committee, Young Alum (G.O.L.D.)-Graduate Committee, Alumni Association Student Honors Award Committee, Alumni Board Scholarship Selection Committee, Spirit Award Committee, and the Arthur F. Beyer Distinguished Alumnus Award. Represented the Alumni Board at the Golden Grad Brunch, Alumni Awards Ceremony, Homecoming Fish Fry Homecoming, Tailgate Party, and Good Luck On Finals
- 2020-2022 Faculty Senate Senator representing the Gunn College of Health and Human Services
- 2022 Served on the Bylaws ad hoc Review Committee for Faculty Senate
- September 28-29, 2021 Served on the MSU Core Values Summit Team– Worked with a team to develop MSU's Core Values.
- 2021-2022, Served as Second Vice-President for the MSU Alumni Association Board
- 2021-2022 Represented the Alumni Association as a board officer during the 2022 Centennial Spirit Event, Centennial Celebration Kick-off at the MPEC, Centennial Alumni Social at the

Museum, Golden Grad Brunch, Alumni Awards Ceremony, Homecoming Fish Fry Homecoming, Tailgate Party, and Good Luck On Finals

- November 2022 Supported the MSU Fantasy of Lights during the MSU-Burns Fantasy of Lights 5K & 1-Mile Fun Run,
- 2021-2022 Served on the Alumni Campus/Community Outreach Committee, Young Alum (G.O.L.D.)-Graduate Committee, Alumni Association Student Honors Award Committee, Alumni Board Scholarship Selection Committee, Spirit Award Committee, and the Arthur F. Beyer Distinguished Alumnus Award
- 2020-2021 Secretary of the Alumni Association Board

College

- 2023-present IRB reviewer for the College of Health and Human Services
- 2014-present Served on the Interdisciplinary Committee for the College of Health and Human Services
- 2022 Supported the Gunn College of Health and Human Services during the Centennial Celebration Picnic, Senior Campus Walk, and the Mustangs Roundup
- November 2022 Served on the Interdisciplinary Communication Experience (ICE) committee. This committee is a collaboration of all health disciplines on campus to create a simulated healthcare event in which students were participants in triaging and caring for patients.

Department

- 2022-2023 Website Review Committee-Chaired the equity audit and initial website redesign planning phase for the website landing page, BSRT, BSRS, CT, MRI, and Mammography webpages. Assisted in the website redesign phase.
- 2022-2023 Equity Audit Committee Chair. Performed an equity audit of the BSRT Student Handbook and Website.
- 2020-present MRI Safety Officer, MRSO, for Radiologic Sciences.
- 2014-present Chair of the CT/MRI/Mammography Program Admissions/Development Committee
- 2014-present Advanced Modalities (CT, MRI, Mammography) Program Coordinator
- 2014-present Web Content Editor (formally Webmaster) for the CT, MRI, and Mammography Program web pages.
- 2013-present Serve on the BSRS and BSRT Curriculum Review Committees, and the BSRT Admissions Committee.
- 2013-present Serve on the BSRS WEAVE Committee. Collected data for documentation of the BSRS Radiology Program for compliance.

Community

- THOR, April 2023, Wichita Falls, TX- Organized an MSU Radiology team of several radiology students and faculty to participate and volunteer. THOR is a nonprofit 5(ish)K race benefitting the Leadership Wichita Falls (LWF) and the Wichita Falls Streams & Valleys. LWF is a community orientation and leadership training program for young adults and high school kids in the Wichita Falls area.
- Wichita Valley Airport, Iowa Park, TX, Memorial Day and Labor Day Since 2010 to present. I organized and cooked breakfast for area aviators, active duty military service members, retired veterans, and their families to appreciate their service and support military and private aviation in the North Texas area.
- Hotter than Hell Hundred, Wichita Falls, TX, August 2023

In support of Wichita Falls, TX, I volunteered and rode in the HHH Bicycle ride. The HHH bicycle ride supports many civic projects and organizations by investing in programs that promote environmental quality, collegiate cycling, our heritage, and appreciation of our great outdoors.

- Support the local Humane Society through volunteering to walk dogs and through donations of supplies.
- Support the Backdoor Theatre Programs through donations. This is a nonprofit community theatre whose mission is to enrich, educate, and entertain the Greater Wichita Falls area through the performing arts.
- Support the Wichita Theatre Performing Art Centre through donations and attendance. This nonprofit neighborhood theater is a designated Texas Historic Landmark that hosts kid and family shows.
- Support the Wichita Falls Symphony Orchestra and the Youth Symphony Orchestra through donations and attendance. The mission of the WFSO and YSO is to promote symphonic music to enrich, educate, and entertain diverse audiences in the Texoma Community.