
Heather Schmuck, MS, RT(R)(ARRT)

Clinical Associate Professor, Radiologic and Imaging Sciences

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EDUCATION

- 2018-Present Doctor of Education in Educational Leadership (in progress)
University of Southern Indiana
Evansville, IN
- 2013 Master of Science in Education
University of Southern Indiana
Evansville, IN
- 2002 Bachelor of Science in Health Services
University of Southern Indiana
Evansville, IN
- 2001 Associate of Science in Radiologic Technology
University of Southern Indiana
Evansville, IN

PROFESSIONAL EMPLOYMENT

Academic Appointments

- 2019-Present Clinical Associate Professor and Clinical Coordinator,
Radiologic and Imaging Sciences
University of Southern Indiana
Evansville, IN
- 2018-2019 Clinical Assistant Professor and Interim Clinical Coordinator,
Radiologic and Imaging Sciences
University of Southern Indiana
Evansville, IN
- 2013-2018 Clinical Assistant Professor, Radiologic and Imaging Sciences
University of Southern Indiana
Evansville, IN
- 2010-2013 Radiologic Technology Program Instructor
University of Southern Indiana
Evansville, IN
- 2007-2010 Radiologic Technology Program Adjunct Faculty
University of Southern Indiana
Evansville, IN

Other Professional Experience

2001-Present Radiologic Technologist
Deaconess Hospital
Evansville, IN

2005-2010 Clinical Educator
Deaconess Hospital
Evansville, IN

LICENSURE AND CERTIFICATION

2009-Present American Heart Association BLS Instructor (02112287421)
2001-Present Registered Radiologic Technologist, American Registry of Radiologic Technologists (349089)
2001-Present Indiana State Department of Health Diagnostic X-ray Machine Operator (XT005098)
1999-2011 American Heart Association Cardiopulmonary Resuscitation Certification

HONORS AND AWARDS

External honors and awards

2019 ASRT Foundation 2019 Philip W. Ballinger Scholarship Recipient
2017 AEIRS Laverne T. Gurley Annual Meeting Scholarship Award
2016 Midwest Interprofessional Practice, Education and Research Center’s (MIPERC) Outstanding Faculty Award
2015 Indiana Society of Radiologic Technologist Outstanding Technologist Award
2004 Graduating Students’ Excellence in Professionalism Award for Deaconess Hospital

Internal honors and awards

2021 USI Student Organization Faculty Advisor of the Year
2015 Faculty Affairs Excellence in Teaching Award
2014 John M. Lawrence Health Professions Faculty Member Award

TEACHING ACTIVITIS

Courses Taught

Course Number	Course Title	Semester Taught	Number of Students Enrolled	Course Format
RADT 196	Orientation to Radiographic & Imaging Sciences	Fall 2010, Spring 2011, Summer 2011, Fall 2011, Spring 2012, Summer 2012, Fall 2012, Spring 2013, Summer 2013, Fall 2013, Spring 2014, Summer 2014, Fall 2014, Spring 2015, Summer 2015, Fall 2015, Summer 2016, Fall 2016, Summer 2017, Fall 2017, Spring 2018, Summer 2018, Summer 2019, Summer 2020	7-50	Lecture in-class; online

RADT 308	Radiographic Procedures I	Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021	16-20	Lecture in-class
RADT 313	Radiographic Procedures II	Summer 2011, Summer 2012, Summer 2013, Summer 2014, Summer 2015, Summer 2016, Summer 2017, Summer 2018, Summer 2019, Summer 2020	14-20	Lecture in-class
RADT 316	Radiographic Procedures III	Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020	14-20	Lecture in-class
RADT318	Radiographic Procedures IV	Spring 2007, Spring 2008, Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021	14-20	Lecture in-class
RADT334	Radiographic Physics	Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020	14-20	Lecture
RADT335	Radiobiology	Spring 2011, Spring 2012, Spring 2013	18-20	Lecture in-class
RADT 343	Clinical Practicum 2 (was Clinical 1)	Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017	14-20	clinical
RADT424	Radiologic & Imaging Sciences Practice & Management	Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020	23-30	online
RADT 427	Radiology Department Information Systems	Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018	23-31	online
RADT 435	Clinical Practicum 4 (was Clinical 3)	Summer 2013, Summer 2014, Summer 2015, Summer 2016, Summer 2017, Summer 2018, Summer 2019, Summer 2020	14-19	clinical
RADT445	Clinical Practicum 5	Fall 2018, Fall 2019, Fall 2020	17-18	clinical
RADT 455	Clinical Practicum 6 (was Clinical 5)	Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021	13-16	clinical
RADT456	Imaging Sciences Seminar	Spring 2012, Spring 2013	18-19	Hybrid lecture and online
RADT465	Directed Study	Spring 2011, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019,	7-19	Hybrid lecture and online

		Spring 2020, Spring 2021		
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Other Teaching Activities and Contributions

August 2020-October 2020	Assisted with curriculum and content development for RADT412. I created and delivered the first 4 weeks of lectures and quizzes in hybrid environment. I was also tasked with the creation of the midterm exam for the course serving as a comprehensive review of the first 6 weeks of the course.
July 2018-July 2019	Served as Interim Clinical Coordinator for the Radiologic and Imaging Sciences Program. In this role, I chaired the Clinical Education Committee, oversaw student compliance with clinical documentation including clinical records and clinical affiliate requirements for vaccinations, and conducted regular clinical site visits.
February 2015	Proposed and was granted course modification for RADT308, RADT313, RADT316, and RADT318 course titles and course descriptions to accurately reflect the content of each course.
February 2014	Revised methods of evaluation and course prerequisite of RADT 424. This was done to meet Radiology Bachelors curriculum and to meet requirements of a writing embedded course for Core 39. The course was approved as a Core 39 Writing embedded course.
January 2013	Proposed and was granted course modification for RADT427 to align content and course description for new ASRT Bachelor of Science Curriculum. This new content included a major course revision to add new digital imaging content to the course.

Student Advising and Mentoring Activities

Year	Number of Advisees
2021	Spring
2020	Spring 40; Summer 36, Fall 40
2019	Spring 40; Summer 40; Fall 40
2018	Spring 23; Summer 25; Fall 39
2017	Spring 24; Summer 24; Fall 24
2016	Spring 20; Summer 24; Fall 22
2015	Spring 21; Summer 22; Fall 14
2014	Spring 35; Summer 16; Fall 23
2013	Spring 37; Summer 34; Fall 55
2012	Spring 49; Summer 38; Fall 55
2011	Spring 35; Summer 27; Fall 59
2010	Fall 30

Student Activities Mentored

- Webster, M. (October 2020). Standardized X-Ray Technique Chart. Scientific Exhibit Competition for 2020 ISRT Annual Conference. (Virtual Conference)
- Earl, K., Martin, J., & Stull, M (April 2019). Effect of scatter radiation on safe practice and shielding in diagnostic radiology. Poster presented at the 2019 Endeavor Symposium, University of Southern Indiana, Evansville, IN.
- Earl, K. Gisler, K., & Stull, M. (April 2019) Student Quiz Bowl at the Indiana Society of Radiologic Technologists Annual Convention. Poster presented at the 2019 Endeavor Symposium, University of Southern Indiana, Evansville, IN.

- Earl, K., Martin, J., & Stull, M (October 2018). Effect of scatter radiation on safe practice and shielding in diagnostic radiology, 1st place Scientific Exhibit Award. 2018 Indiana Society of Radiologic Technologists Annual Conference, Indianapolis, IN.
- Earl, K. Gisler, K., & Stull, M. (October 2018). The Roentgenators – 1st place Indiana Society of Radiologic Technologists 2018 Quiz Bowl Team.
- Luke, S., Jones, J., & Grieger, R. (September 2015). Importance of professional societies [Presented at 2016 Endeavor Symposium as a result of participation in the 2015 Indiana Society of Radiologic Technologists Quiz Bowl, Indianapolis, IN]. Senior students Class of 2016.
- Gatewood, M. (September 2015). Take Time for Quality, 2nd place Scientific Exhibit Award. 2015 Indiana Society of Radiologic Technologists Annual Conference, Indianapolis, Indiana. Senior student Class of 2016.

Student Organizations Advised

- 2013-Present Faculty Advisor for Lambda Nu National Honor Society for Radiologic and Imaging Sciences, Indiana Theta Chi chapter
- 2010-Present Faculty Advisor for Radiologic Technology Student Organizations

SCHOLARSHIP, RESEARCH, AND CREATIVE ACTIVITES

Publications- Peer-reviewed or Refereed

International

- Cook, J.A., Schmuck, H.M., Hollingsworth, A. & Prifogle, C. (2021). Bioburden of Imaging Lead Apparel and Infection Control Measures. Submitted revised manuscript to *Radiologic Technology*, 93(2)
- Schmuck, H. & Cook, J. (2018). Predicting success on the ARRT national certification examination through mock examinations. *Radiologic Science & Education*, 23(1), 17-24.
- Schmuck, H. (2015). iPad impact in radiologic technology. *Radiologic Science & Education*, 20(1), 3-20.
- Cook, J. A., Schmuck, H., & Peak, K. R. (2015). Radiology clinical monitoring tool. *Spectrum*, 26(2), 14-18.
- Cook, J. A., & Schmuck, H. (2012). Teaching and technology: Engagement in the classroom with student-owned technology. *Spectrum*, XXIII(2), 4-7.

National

- Cook, J. A., Schmuck, H., Hollingsworth, A. (2019). Care and use of lead apparel. *The Dental Assistant*, 88(3), 9-11.
- Reddington, A., Egli, A., & Schmuck, H. (2019). Improving oral radiology education interprofessional collaboration with dental assisting students. *2019 ADEA Annual Session Poster Abstracts: Journal of Dental Education*, 83(2), 227.
- Schmuck, H. & Arvin, M. K. (2018). Use of a board game format to promote interprofessional learning. *Journal of Interprofessional Education & Practice*, 12, 51-56.
<https://doi.org/10.1016/j.xjep.2018.05.007>
- Reddington, A., Egli, A., & Schmuck, H. (2018). Understanding Interprofessional Education Perceptions of Radiologic Technology and Dental Assisting Students Through a Live Patient Experience. *Journal of Dental Education*, 82(5), 462-468.

Scholarly Works Related to Professional or Clinical Practice

- Schmuck, H. (2019). Module 4: Imaging Equipment and Radiation Production. Limited Cardiac Catheterization Radiography Certification Program. Completed for USI College of Nursing and

- Health Professions Center for Health Professions Lifelong Learning. Reviewed and approved by the Indiana State Department of Health.
- Schmuck, H. (2019). Module 5: Image Production and Evaluation. Limited Cardiac Catheterization Radiography Certification Program. Completed for USI College of Nursing and Health Professions Center for Health Professions Lifelong Learning. Reviewed and approved by the Indiana State Department of Health.
- Schmuck, H. (2019). Module 6: Radiobiology and Radiation Protection. Limited Cardiac Catheterization Radiography Certification Program. Completed for USI College of Nursing and Health Professions Center for Health Professions Lifelong Learning. Reviewed and approved by the Indiana State Department of Health.
- Schmuck, H. (2016). Module 4: Imaging Equipment and Radiation Production. Deaconess Hospital Cardiac Catheterization Program. Reviewed and approved by the Indiana State Department of Health.
- Schmuck, H. (2016). Module 5: Image Production and Evaluation. Deaconess Hospital Cardiac Catheterization Program. Reviewed and approved by the Indiana State Department of Health.
- Schmuck, H. (2016). Module 6: Radiobiology and Radiation Protection. Deaconess Hospital Cardiac Catheterization Program. Reviewed and approved by the Indiana State Department of Health.

Scholarly Presentations in Conferences, Symposia, Colloquia, and Seminars

Peer Reviewed: International

- Schmuck, H., & Peak, K. (2021). Using Instructional Technology and Innovation to Facilitate Online Learning. Podium presentation at the Association of Educators in Radiologic Sciences 2021 Spring Virtual Conference May 1, 2021.
- Schmuck, H., & Cook, J. (2018). Student perceptions of a low-tech option for engagement and assessment. Poster presentation at 2018 Association of Educators in Imaging & Radiologic Sciences Annual Meeting, Charleston, SC, July 12, 2018.
- Arvin, M. K., & Schmuck, H. (2017). Use of serious games to promote interprofessional competency. Presented at the Collaborating Across Borders (CAB VI) Conference, Banff, Alberta, Canada, October 1-4, 2017.

Peer Reviewed: National

- Reddington, A., Egli, A., & Schmuck, H. (2019). Improving oral radiology education interprofessional collaboration with dental assisting students. Poster presentation at 2019 American Dental Education Association Annual Session & Exhibition, Chicago, IL, March 18, 2019.
- Arvin, M. K. & Schmuck, H. (2014). IPE Challenge! Use of a board game format to promote interprofessional learning among faculty and students. Poster presentation at 2014 American Occupational Therapy Association Annual Conference, Baltimore, MD, April 3, 2014.
- Kinner, T. J., Ostendorf, M., Thomas, P., Arvin, M. K., Schmuck, H., Delp, J., Titzer, J., Thompson, C. (2014). Interprofessional simulation: Overcoming barriers to success. Presented at Armstrong 2014 Interprofessional Health Care Summit, Armstrong Atlantic State University, Savannah, GA, April 4, 2014.
- Ostendorf, M., Kinner, T. J., Thomas, P., Arvin, M. K., Schmuck, H., Delp, J., Titzer, J., Thompson, C. (2014). TeamSTEPPS™: Enhancing interprofessional simulation performance. Presented at Armstrong 2014 Interprofessional Health Care Summit, Armstrong Atlantic State University, Savannah, GA, April 4, 2014

Peer Reviewed: Regional

- Schmuck, H., & Peak, K. (2021). Using Instructional Technology and Innovation to Facilitate Online Learning. Poster presentation at the 2021 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, February 11, 2021.
- Schmuck, H., Smith, J., Cook, J., & Reddington, A. (2020). Getting down and dirty with lead apparel. Poster accepted for presentation at 2020 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, February 5, 2020.
- Peak, K., Doerner, M., Schmuck, H., Andrews, C., Cook, J. (2020). Summer fun with IPE: Lesson learned - don't get burned. Poster accepted for presentation at 2020 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, February 5, 2020.
- Cook, J., & Schmuck, H. (2019). Bioburden of Imaging Lead Apparel and Infection Control Measures. Podium presentation at the 23rd Annual Research, Evidence-Based Practice, and Performance Improvement in Healthcare Conference, University of Southern Indiana, Evansville, IN, April 10, 2019.
- Schmuck, H., & Cook, J. (2019). Student perceptions of Low-Tech Options for Engagement and Assessment. Poster presentation at 2019 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, February 6, 2019.
- Cook, J., & Schmuck, H. (2018). How clean is your radiology apparel? Presented at the Indiana Society of Radiologic Technologists 2018 Annual Conference, Indianapolis, IN, October 18, 2018.
- Schmuck, H. & Delp, J. (2018). Safety for the allied health professional in the imaging department. Presented at the Regional Conference on Thoracic Disorders and Imaging, University of Southern Indiana, Evansville, IN, May 5, 2018.
- Schmuck, H., & Cook, J. (2018). Student perceptions of Low-Tech Options for Engagement and Assessment. Presented at 2018 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, January 25, 2018.
- Reddington, A., Egli, A., & Schmuck, H. (2017). Monitoring the Impact of Interprofessional Education in Bachelor and Associate Degree Programs through Understanding Student Perceptions. Presented at the 22nd Annual Nursing and Health professions Educator Conference, University of Southern Indiana, Evansville, IN, October 18, 2017.
- Schmuck, H., Reddington, A., & Egli, A. (2017). Exploring Allied Health Profession Student Perceptions of Interprofessional Education Through a Live Patient Experience. Poster presentation at the 2nd Annual Interprofessional Practice and Education Conference, Indiana University Purdue University Indianapolis, Indianapolis, IN, November 15, 2017.
- Schmuck, H. (2017). Using avatars to improve communication skills and build mentoring relationships in an imaging science program. Poster presentation at 2017 Celebration of Teaching and Learning Symposium, University of Southern Indiana, Evansville, IN, January 26, 2017.
- Cook, J., & Schmuck, H. (2015). Essential Anatomy: Innovative App Use in the Classroom. Presented at the 20th Annual Nursing and Health professions Educator Conference, University of Southern Indiana, Evansville, IN, October 21, 2015.
- Schmuck, H., & Arvin, M. K. (2014). Use of a board game format to promote interprofessional learning among faculty and students. Poster presentation at 19th Annual Nursing and Health professions Educator Conference, University of Southern Indiana, Evansville, IN, October 22, 2014.
- Cook, J. A., Schmuck, H. M., Peak, K. R., & Duncan, P. J. (2014). Image utilization for the abdomen and skeletal system through case studies. Presented at 16th Annual Advanced Practice Nursing Symposium, University of Southern Indiana, Evansville, IN, May 9, 2014.
- Cook, J. A., Schmuck, H. M., Peak, K. R., & Duncan, P. J. (2014). Image utilization for the head, neck, and chest through case studies. Presented at 16th Annual Advanced Practice Nursing Symposium, University of Southern Indiana, Evansville, IN, May 9, 2014.
- Arvin, M. K. & Schmuck, H. (2013). IPE Challenge! Use of a board game format to promote interprofessional learning among faculty and students. Presented at 18th Annual Nursing and Health Professions Educator Conference, University of Southern Indiana, Evansville, IN, October 23, 2013.

- Schmuck, H. (2013). Applying 'apps' in the clinical world. Presented at the Indiana Society of Radiologic Technologists 2013 Annual Conference, Evansville, IN, October 3, 2013.
- Schmuck, H. M. (2012). Computed Radiography & Digital Imaging for the Practicing Technologist. Presented at the Indiana Society of Radiologic Technologists One Day Seminar, Evansville, IN, April 14, 2012.

Peer Reviewed: Local

- Schmuck, H. (2015). Digital Detector Tips and Tricks: Who needs algorithms? Selecting appropriate protocols for quality digital imaging. Online Staff In-service, Deaconess Health System.

Other Scholarly and Creative Works – Not Refereed or Juried

- Cook, J. & Schmuck, H. (2019). Caring for Lead Apparel. Podium presentation at Indiana Dental Hygiene Association, Ohio Valley Component meeting. Evansville, IN, September 3, 2019.
- Schmuck, H. (2019). ASRT annual meeting and House of Delegates. *Indiana Journal of Radiologic Technology*, 4-9.
- Schmuck, H. (2019). Logo Luster. *Indiana Journal of Radiologic Technology*, 34.
- Schmuck, H. (2019). CQR: Don't be an 11th hour scrambler. *Indiana Journal of Radiologic Technology*, 18-19.
- Kinner, T. J., Ostendorf, M., Schmuck, H., Thomas, P. (2018). TeamSTEPPS™: Enhancing interprofessional simulation performance – the code blue project. Podium presentation presented at TeamSTEPPS Conference, University of Southern Indiana, Evansville, IN June 26, 2018.
- Arvin, M. K., & Schmuck, H. (2018). Use of a board game format to promote interprofessional learning among faculty and students. Poster presentation at TeamSTEPPS Conference, University of Southern Indiana, Evansville, IN, June 26, 2018.
- Schmuck, H., & Petree, C. (2018). Recap of the 2018 ASRT educational symposium and annual governance house of delegates meeting. *Indiana Journal of Radiologic Technology*, 9-10.
- Schmuck, H. (2017). Shaking the bushes: ISRT President mid-year report. *Indiana Journal of Radiologic Technology*, 7-8.
- Schmuck, H. (2017). Brushing Up on Image Critique. Presented at Deaconess Radiology Skills Week, Evansville, IN, August 14-18, 2017.
- Schmuck, H. (2016). New Developments in Digital Imaging. Presented at Memorial Hospital and Healthcare Center, Jasper, IN, November 11, 2016.
- Schmuck, H., & Wilson, A. (2015). Avatar possibilities in healthcare: A review of GoAnimate. *Indiana Journal of Radiologic Technology*, 13-15.
- Schmuck, H. (2015). Image Quality Analysis. Online Staff In-service, Deaconess Health System.
- Schmuck, H. (2015). Who needs algorithms? Selecting appropriate protocols for quality digital imaging. Presented at Deaconess Radiology Skills Week, Evansville, IN, August 17-21, 2015.
- Schmuck, H. (2015). Digital imaging, Understanding the histogram. Poster presentation at Memorial Hospital and Health Care Center, 2015.
- Schmuck, H. (2014). Understanding Digital Imaging. Online Staff In-Service, Deaconess Health System.
- Schmuck, H. (2014). Understanding Digital Imaging. Poster presentation at Deaconess Radiology Skills Week, Evansville, IN August 18-22, 2014.
- Schmuck, H. (2013). Judet view positioning. Video presentation for Deaconess Hospital Radiology Department, Evansville, IN, August 2, 2013.
- Schmuck, H. (2013). Digital imaging: Understanding the Histogram. Poster presentation at Deaconess Radiology Skills Week, Evansville, IN August 19-23, 2013.
- Schmuck, H. (2013). Panorex Imaging. Presented at Deaconess Hospital Radiology Staff In-service, Evansville, IN, June 21, 2013.
- Schmuck, H. (2013). Panorex Imaging. Presented at Deaconess Hospital Radiology Staff In-service, Evansville, IN, June 14, 2013.

- Schmuck, H. (2013). Panorex Imaging. Presented at Deaconess Hospital Radiology Staff In-service, Evansville, IN, June 12, 2013.
- Schmuck, H. (2013). Panorex Imaging. Presented at Deaconess Hospital Radiology Staff In-service, Evansville, IN, June 10, 2013.
- Schmuck, H. (2013). Panorex Imaging. Presented at Deaconess Hospital Radiology Staff In-service, Evansville, IN, June 7, 2013.

Publications Submitted

- Egli, A., Schmuck, H., & Reddington, A. (2020). Using interprofessional experiences to improve dental assisting and radiologic technology education through collaboration with evidence-based outcomes. In J. Friberg, C. Visconti, & S. Ginsberg (Eds.) *Case Studies in Evidence-Based Education: A Resource for Teaching in Clinical Professions* (pp. xxx-xxx). Submitted book chapter revisions in December 2019. (original submission August 26, 2019). Slack, Inc.

Scholarly and Creative Works in Progress

- Cook, J.A., Schmuck, H.M., & Peak, K. R. (2021). Interrater reliability in program admission interviews. This paper is in draft stage and is expected to be submitted to the Association of Educators in Imaging and Radiologic Sciences journal *Radiologic Science & Education* potentially in 2021.
- Cook, J.A., Schmuck, H.M., & Hollingsworth, A. (2021). Analysis of recommendation of the care and use of lead protection apparel. Manuscript submitted to *Radiology Management* (expected submission by August 2021).
- Schmuck, H. & Cook, J. (2021). Student perceptions of a low-tech option for student engagement. Manuscript in early draft form and is expected to be submitted to *Radiologic Technology*.

Grants and Contracts

External grants and contracts

- Cook, J. A. & Schmuck, H. (2016). Environmental Testing and Cleaning of Radiology Lead Apparel for the Prevention of Healthcare-Associated Infections. Grant in Aid, Indiana Society of Radiologic Technologists. Funded amount \$241.42
- Schmuck, H. (2015). Advancing your profession: Education and professional growth grant. American Registry of Radiologic Technologists, American Society of Radiologic Technologists Foundation. Funded amount: \$500.00
- Schmuck, H., & Wilson, A. (2014). Mentoring through online collaboration. Grant in Aid, Indiana Society of Radiologic Technologists. Funded amount: \$179.00
- Cook, J. A. & Schmuck, H. (2012). Engagement of radiology students with technology: iPads and applications. Grant in Aid, Indiana Society of Radiologic Technologists. \$250.00

Internal grants and contracts

- Cook, J.A., Schmuck, H.M., & Reddington, A. (2019). First Year Dental Hygiene/Assisting and Radiology Students' Radiation Protection Awareness and Assessment of Knowledge of Lead Apparel Care and Inspection: An Interprofessional Learning Experience. 2019 College of Nursing and Health Professions Faculty Development Award. Funded: \$3500.
- Schmuck, H. (2015). Digital Radiography Seminar: Gaining Knowledge for the Future of the Profession. 2015 College of Nursing and Health Professions Faculty Development Award. Funded: \$1616.44.

PROFESSIONAL AND CLINICAL ACTIVITIES

Clinical and/or Professional Practice

- July 2016- December 2020 Accreditation Site Visitor for Joint Review Committee on Education in Radiologic Technology
- May 2001- present Diagnostic Radiologic Technologist, professional practice at Deaconess Midtown Evansville, IN

Professional Service

- 2019-Present Co-author and continued consultant of Indiana State Department of Health – University of Southern Indiana Limited Cardiac Catheterization Radiography Program
- 2016-Present Coordinator and Co-Author Indiana State Department of Health – Deaconess Gateway Hospital’s Limited Cardiac Catheterization Radiography Certification Course
- 2011-Present Co-author of Indiana State Department of Health - Deaconess Midtown Hospital’s Limited Cardiac Catheterization Radiography Certification Course
- 2011-2014 Item Writer for American Registry of Radiologic Technologist Certification Examination in Radiography

Professional Organization Membership

- 2014-Present Member of International Society of Radiographer and Radiological Technologists – Associate Member
- 2013-Present Faculty Advisor and Member of Lambda Nu National Honor Society for Radiologic and Imaging Sciences, Indiana Theta Chi chapter
- 2013 Member of Text and Academic Authors Association
- 2012-Present Member of American Society of Radiologic Technologists
- 2021-2022 Radiography Chapter Delegate Alternate
- 2019-2021 Radiography Chapter Delegate (National)
- 2017-2019 Indiana Affiliate Delegate to the American Society of Radiologic Technologists House of Delegates (National)
- 2016-2017 Indiana Affiliate Delegate Alternate to American Society of Radiologic Technologist House of Delegate
- 2015-2016 Indiana Affiliate Delegate Alternate to the American Society of Radiologic Technologists House of Delegates
- 2015-2016 ASRT *Scanner* Editorial Advisory Panel member
- 2014-2015 Indiana Affiliate Delegate Alternate to the American Society of Radiologic Technologists House of Delegates
- 2011-Present Member of Association of Educators in Imaging and Radiologic Sciences
- 2019-2020 Nominating Committee Member
- 2018-2019 AEIRS Recruitment Committee Member
- 2010-Present Member of Indiana Society of Radiologic Technologists
- 2021 ISRT Spring One-Day Conference General Chairman
- 2020 ISRT Spring One-Day Conference General Chairman (postponed)
- 2018-2019 Senior Board Member
- 2018-2019 Finance Committee Chairman
- 2018-2019 Student Intern Mentor
- 2017-2018 ISRT Spring One-Day Interprofessional Conference Committee Member, Abstract Reviewer, Presenter

2017-2018 Chairman of the Board
 2017-2018 Immediate Past President
 2016-2017 President
 2016-2017 Editorial Review Committee
 2016 Co-Treasurer, 2016 Indiana Society of Radiologic Technologists
 Annual Conference
 2015-2016 2016 ISRT Quiz Bowl Coordinator
 2015-2016 Vice President
 2014-2015 2015 ISRT Quiz Bowl Coordinator
 2014-2015 Advertising Committee Member
 2014 Scholarship Judge
 2013-2014 Editorial Review Committee
 2013-2014 Secretary
 2013-2014 Tellers Committee Chairman
 2012-2013 Co-Chair of 2013 Indiana Society of Radiologic
 Technologists Annual Conference
 2012-2013 Publicity Committee Member, 2013 Indiana Society of
 Radiologic Technologists Annual Conference
 2011-2012 Treasurer of 2012 Indiana Society of Radiologic
 Technologists Spring One Day Educational Seminar

Professional Development Activities

December 2020 CT Post Processing: What is it, How do we use it, and Where is it going?. Indiana
 Society of Radiologic Technologist 2020 Annual Conference, Virtual 1 Continuing
 Education Credit Category A; INX0000063
 December 2020 Infections of the Chest. Indiana Society of Radiologic Technologist 2020 Annual
 Conference, Virtual 1 Continuing Education Credit Category A; INX0000064
 December 2020 Mammography: Understanding the Profession. Indiana Society of Radiologic
 Technologist 2020 Annual Conference, Virtual 1 Continuing Education Credit
 Category A; INX0000060
 December 2020 Gonadal Shielding: Past, Present and Future. Indiana Society of Radiologic
 Technologist 2020 Annual Conference, Virtual 1 Continuing Education Credit
 Category A; INX0000056
 December 2020 Welcome to the New Age: Digital Imaging Analysis. Indiana Society of Radiologic
 Technologist 2020 Annual Conference, Virtual 1 Continuing Education Credit
 Category A; INX0000059
 December 2020 Envisioning Preparedness. Indiana Society of Radiologic Technologist 2020 Annual
 Conference, Virtual 1 Continuing Education Credit Category A; INX0000062
 December 2020 "New" Clear Medicine and "HOCUS" POCUS: The Future of Nuclear Medicine and
 Ultrasound. Indiana Society of Radiologic Technologist 2020 Annual Conference,
 Virtual 1 Continuing Education Credit Category A; INX0000061
 December 2020 Radiology: The Decade Ahead. Indiana Society of Radiologic Technologist 2020
 Annual Conference, Virtual 1 Continuing Education Credit Category A;
 INX0000065
 December 2020 Technologist as Teacher. Indiana Society of Radiologic Technologist 2020 Annual
 Conference, Virtual 1 Continuing Education Credit Category A; INX0000058
 December 2020 Exposure Exposed: Trust the Number. Indiana Society of Radiologic Technologist
 2020 Annual Conference, Virtual 1 Continuing Education Credit Category A;
 INX0000057
 December 2020 Interpreting the JRCERT 2021 Standards for an Accredited Educational Program.
 Online, 2.5 Continuing Education Credits Category A; ILZ00004.

January 2020 USI Professional Development Day, 4 sessions (Course Perception Surveys, Recruitment and Retention, Promotion and Tenure, USI Scheduling Services)

December 2019 EDLE706 Statistical Literacy for Educational Leadership. Approved Academic Course 48.0 Continuing Education Credits Category A:

December 2019 EDLE 708 Advanced Research Design and Methods. Approved Academic Course 48.0 Continuing Education Credits Category A:

November 2019 ASRT Live: I Know It's Rotated, But Why does It Matter? Online Continuing Education Offering, 1 Continuing Education Credit Category A; NMZ0019160

October 2019 Updates in Radiation Therapy, Indiana Society of Radiologic Technologist 2019 Annual Conference, Indianapolis, IN, 1 Continuing Education Credit Category A; INX0009105

October 2019 No Man's Land: Space Between the Head and Shoulders that We call the Neck, Indiana Society of Radiologic Technologist 2019 Annual Conference, Indianapolis, IN, 1 Continuing Education Credit Category A; INX0009104

October 2019 Exposure Exposed: Assessing Noise on Digital Images, Indiana Society of Radiologic Technologist 2019 Annual Conference, Indianapolis, IN, 1 Continuing Education Credit Category A; INX0009102

October 2019 Resolution Considerations with DR Technologies, Indiana Society of Radiologic Technologist 2019 Annual Conference, Indianapolis, IN, 1 Continuing Education Credit Category A; INX0009101

August 2013-July 2019: 425.25 Total Continuing Education Credit Hours from a variety of sources obtained in addition to University Professional Development opportunities

July 2010-July 2013: 256 total Continuing Education Credit Hours from a variety of sources obtained

SERVICE AND OUTREACH ACTIVITIES

University Service

University-level service activities

2020-2021 Planning Committee Member, 2021 Celebration of Teaching and Learning Symposium

2020 Panelist, Promotion and Tenure Session – USI Professional Development Day January 8, 2020

2019-2020 Planning Committee Member, 2020 Celebration of Teaching and Learning Symposium

2019 - Present USI Open House Volunteer

2018-2019 Planning Committee Member, 2019 Celebration of Teaching and Learning Symposium

2018 Reviewer, 2019 Celebration of Teaching and Learning Symposium

2017-2018 Planning Committee Member, 2018 Celebration of Teaching and Learning Symposium

2017 Reviewer, 2018 Celebration of Teaching and Learning Symposium

2017 Judge, Tri-State Science and Engineering Fair

2017 Search Committee Member, Director of Honors Program and LLC

2016 Reviewer, 2017 Celebration of Teaching and Learning Symposium

2016-Present Center for Excellence in Teaching and Learning Advisory Board member

2015-2017 Faculty Senate Alternate

2014-Present Presidential Scholars Selection Committee

2013-2015 Faculty Advisor for RT Class of 2015 Student Organization

2013-2014 Economic Benefits Committee Alternate

2013-Present Faculty Advisor for Indiana Theta Chi Chapter, Lambda Nu Honor Society

2012-2016 Honors Faculty Council

2011-Present	Volunteer for January Jump Start
2010-Present	Volunteer for Welcome Back Week
2010-2011	Proctor- University Assessment Day
2010-Present	Faculty Advisor for Radiologic Technology Student Organization (RT Student Organization)

College-level service activities

2020	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2019	Guest Lecturer Wes Phy's UNIV101 course
2019-Present	Faculty Review Committee
2019	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2019	Search committee member, Radiologic & Imaging Sciences Faculty
2019-Present	Clinical Simulation Committee
2019	Student Outreach and Engagement Committee
2018-Present	HP Day Volunteer
2018	Search committee member, Chair of Radiologic & Imaging Sciences program
2018-2019	Chair, College of Nursing and Health Professions Faculty and Staff Orientation/Mentoring Committee
2018	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2017-2019	College of Nursing and Health Professions Formative Review Committee member
2017	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2017	Volunteer for Occupational Therapy Assistant Program, University of Southern Indiana
2016	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2015	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2015-2019	College of Nursing and Health Professions Faculty and Staff Orientation/Mentoring Committee
2014	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2013-Present	Guest Lecturer on Diagnostic Radiography specialty for Katherine Peak's RADT196 course
2013	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2013	CPR Instructor for College of Nursing and Health Professions faculty renewal
2012-Present	College of Nursing and Health Professions Interprofessional Education Committee
2012	Radiology Faculty Panel Member, Dr. Hall's Acute Care and Family Nurse Practitioner Course
2012	Member, Planning Committee for 2012 Annual Educator's Conference
2011	CPR Instructor for College of Nursing and Health Professions faculty renewal
2010-2015	Learning Caring Community Committee

Department/Program-level service activities

2021-Present	Assisting with preparation, writing and submission of the Program Self-Study for JRCERT accreditation
2018-Present	Radiologic Technology Clinical Education Committee Chair
2018-Present	Radiologic Technology Admission Committee Chair
2016-2017	Assisted with writing and submission of the Program Self-Study for JRCERT accreditation
2013-Present	Radiologic Technology Assessment Committee, Chair
2005-2018	Radiologic Technology Program Clinical Affiliate Committee member
2005-2018	Radiologic Technology Admission Committee
2005-Present	Radiologic Technology Advisory Committee

Community Service and Outreach

2020	CPR Instructor for College of Nursing and Health Professions students renewal courses
2019	CPR Instructor for Deaconess Health System, BLS renewal course
2019	CPR Instructor, Mater Dei Teachers Recertification Course
2019	CPR Instructor for College of Nursing and Health Professions faculty and students renewal courses
2018	Presentation to Mt. Vernon High School students on careers in radiology.
2018	CPR Instructor, St. Phillips Teachers Recertification Course
2018	CPR Instructor for College of Nursing and Health Professions student renewal courses
2017	CPR Instructor for College of Nursing and Health Professions faculty and students renewal courses
2017	CPR Instructor for Deaconess Health System Radiology department renewal course
2016	Presentation to Mt. Vernon High School students on careers in radiology.
2016	CPR Instructor for SWI-AHEC program for Children's Museum of Evansville
2016	Presentation to the Medical Professions Academy on the field of radiology
2015	Presentation to Boonville High School students on careers in radiology
2015	Presentation to the Medical Professions Academy on the field of radiology
2015	CPR Instructor for SWI-AHEC program for the Academy for Innovative Studies
2014	Presentation to Mt. Vernon High School students on careers in radiology.
2014	CPR Instructor for SWI-AHEC program for the Academy for Innovative Studies
2013	Volunteer for Ronald McDonald House through Lambda Nu Theta Chi
2013	CPR Instructor for BLS Renewal Course, Deaconess Hospital
2012	Presentation to Mt. Vernon High School students on careers in radiology.
2012	CPR Instructor for College of Nursing and Health Professions students and faculty renewal course
2011	CPR Instructor for Health Professions Students certification/renewal
2011	CPR Instructor for SWI-AHEC Health Career Camp Students – 2 events
2011	Presentation to Dr. Doherty's Health Care Class, Ivy Tech Community College

2010

Presentation to Mt. Vernon High School students on careers in radiology.