

Gary J. Senn
University of South Carolina Aiken
471 University Parkway
Aiken SC 29801
803-641-3558, SennG@sc.edu

Education:

Ph.D. Science Education, Biology. August 1992, Florida Institute of Technology (Florida Tech), Melbourne, FL.
Educational Specialist, Science Education. March 1992, Florida Tech, Melbourne, FL.
M.S. Educational Leadership, Secondary School Administration. August 1991, Florida Tech, Melbourne, FL
M.S. Science Education, Computer Science. December 1984, Florida Tech, Melbourne, FL.
B.S. Marine Biology. June 1982, Florida Tech, Melbourne, FL

Professional Experience:

1992 - Present, University of South Carolina Aiken. (Various roles). Currently Professor
2008 - Present, Director, Center of Excellence in Middle-level Interdisciplinary Strategies for Teaching
2004 - Present, Director, Ruth Patrick Science Education Center
1997 - Present, Director, Center of Excellence in Educational Technology
1996 - Present, Director, DuPont Planetarium
1992 - 2004, Technologies Director, Ruth Patrick Science Education Center

Publications/Presentations: (selected)

Senn, G. J., Coleman, B., & McMurtrie, D. (2024, March). *Outdoor adventures on school grounds and beyond using gps-enabled devices and geocaching*. Session presented at the annual meeting of the South Carolina Association for Middle Level Education (SCAMLE), Myrtle Beach, SC.

Rupert, N., Coleman, B., & Senn, G. (2024, January). *The art of place: An interdisciplinary approach*. Session presented at the annual meeting of the European League for Middle Level Education, London, England.

Senn, G. J., Coleman, B., McMurtrie, D., & Vawter, D. (2023, March). *Designing weird questions to engage adolescent learners in the content areas*. Session presented at the annual meeting of the South Carolina Association for Middle Level Education (SCAMLE), Myrtle Beach, SC.

Senn, G. J., Coleman, B., & McMurtrie, D. (2022, November). *Outdoor Adventures on School Grounds and Beyond Using GPS-enabled Devices and Geocaching*. Presented at the Association for Middle Level Education Conference, Kissimmee, FL.

Senn, G. J., McMurtrie, D., Coleman, B., & Vawter, D. (2021, November). *Using Nearpod to Engage Middle Level Learners*. Session presented at the annual meeting of the Association for Middle Level Education.

Senn, G. J. (2020, September). *Returning to the observatory and the planetarium with COVID protocols*. Presented at the International Digistar Users Group Conference, Virtual Conference.

- Senn, G. J., McMurtrie D. H., & Coleman, B. K. (2019). Collaboration in the middle: Teachers in interdisciplinary planning. *Current Issues in Middle Level Education*, 24(1) Article 6.
- Senn, G. J. (2018, September). *Enhancing control panels for the Digistar workstation*. Presented at the International Digistar Users Group Conference, Salt Lake City, Utah.
- Senn, G. J., McMurtrie, D. H., & Coleman, B. K. (2017, March). *Great American Solar Eclipse 2017 - Middle School Approach*. Presented at the South Carolina Association of Middle Level Education Conference, Myrtle Beach, SC.
- Coleman, B. K., Senn, G. J., Medford, L., Bailey, B., McMurtrie, D. H. (2016, October). *State Level POMLEs Unite*. Presented at the Best Practice and Research from the National Professors of Middle Level Education session at the Association of Middle Level Education Conference, Austin, TX.
- Senn, G. J., Eberhard, B. & Key, M (2015, November). *STEM education partnerships: The critical need to secure new generations of innovators*. Presented at the Wildlife Habitat Council Annual Conservation Conference, Baltimore, MD.
- Senn, G. J., McMurtrie, D. H., & Coleman, B. K. (2015, March). *Using interdisciplinary units to encourage grade level planning*. Presented at the South Carolina Association of Middle Level Education Conference, Myrtle Beach, SC.
- McMurtrie D. H., Coleman, B. K., Ruppert, N., & Senn, G. J. (2014). The impact of service learning on middle level pre-service teachers. *Current Issues in Middle Level Education*, 19(1) 36-42.
- Senn, G. J., McMurtrie D. H., & Coleman, B. K. (2013). RAFTing with raptors: Connecting science, English language arts, and the Common Core State Standards. *Middle School Journal*, 44(3), 52-55.
- Senn, G. J., & Smyth J. C. (2012, October). *Using GPS and geocaching in a hi-tech adventure*. Presented at the EdTech 2012 conference, Greenville, SC.
- Luedeman, J. K. & Senn, G. J. (2011). Center of excellence in middle-level, interdisciplinary strategies for teaching (CE-MIST). In D. F. Berlin & A. L. White (Eds.), *Science and Mathematics Education: International innovations, research, and practices* (pp. 217-224). Columbus, OH:
- Senn, G. J., Coleman, B. K., & McMurtrie D. H. (2010) Using an interdisciplinary “trunk” to facilitate interdisciplinary planning among teachers. *South Carolina Middle School Association Journal*, 71-80.
- Senn, G. J. & Smalley D. C. (2009, April). *Celestial navigation: Have stars, will travel*. Presented at the Nights at PARI meeting, Rosman, NC.
- Senn, G. J. (2008). Comparison of face-to-face and hybrid delivery of a course that requires technology skills development. *Journal of Information Technology Education* 7, 275-291.
- Senn, G. J., & Smalley D. C. (2007, May). *Using modified, analog scales to enhance student understanding of weight and mass*. Presented at the meeting of the Carolina Association of Planetarium Educators, Gastonia, NC.
- Senn, G. J. (2006, September). *Educational research in the planetarium*. Presented at the annual meeting of the International Digistar Users Group, Salt Lake City, UT.
- Senn, G. J., & Smyth, T. J. C. (2005, April). *Promoting interactivity and creativity in an online course*. Presented at the 16th annual International Conference on College Teaching and Learning, Jacksonville, FL.

Senn, G. J. (2004, June 8). *Transit of Venus*. Presented during the 2004 transit of Venus, Aiken, SC.

Senn, G. J. (2003). Planetarium Obscura A camera obscura in a planetarium. *Southern Skies, Journal of the SouthEastern Planetarium Association*, 23(1), 20-23.

Smyth, T. J. C., & Senn, G. J. (2002, March). *Digital video production the easy way*. Presented at the Low Country Instructional Technology Conference - Charleston, SC.

Senn, G.J. & Priest, J.M. (2001). *K-12 partnerships and preservice teacher training*. Presented at the 12th annual International Conference on College Teaching and Learning – Jacksonville, FL.

Senn, G. J., Hutchens, J. M., & Smyth, T. J. C. (2000, September). *WYSIWYG your way to the Web* Presented at the EdTech '00 Conference - Charleston, SC.

Senn, G.J., Hutchens, J. M. & Smyth T. J. C. (1999). Developing a Faculty Technology Support Center. Presented at the Distance '99 conference – Myrtle Beach, SC.

Senn, G. J., & Gurr, H. S. (1998, June). *The Planetarium Obscura*. Presented at the SouthEastern Planetarium Association Conference - Roanoke, VA.

Senn, G. J., McClain, K., & Thomas, B. (1997, March 15). *Exploring physics resources on the Internet*. Presented at the Annual Meeting of the Southern Atlantic Coast Section of the American Association of Physics Teachers, Atlanta, GA.

Senn, G.J. & Horton, P.B. (1996). The effects of hypermapping and embedded prompts on biology achievement and the completion rate of hypermedia courseware. *Journal of Computers in Mathematics and Science Teaching*, 15(1-2), 35-47.

Senn, G. J., & Smyth, T. J. C. (1995, August). *Using a LAN and the WWW to enhance undergraduate and graduate instruction*. Presented at the annual meeting of the Association for Applied Interactive Multimedia, Asheville, NC.

Senn, G. J., & Smyth, T. J. C. (1994, November). *Macintosh computer classroom and laboratory security: Preventing unwanted changes to the system*. Presented at the Higher Education Networking Association Conference - Myrtle Beach, SC.

Senn, G. J., & Priest, J. M. (1993, June). *Computer technology for elementary and middle schools*. Presented at the National Educational Computing Conference - Orlando, FL.

Grants:

Acted as Principal Investigator, Co-principal Investigator or key personnel for 125 grants totaling \$10,169,720.

Service and Activities:

Served as President for:

- SC Professors of Middle Level Education
- National Association of Professors of Middle Level Education
- International Digistar Users Group.

Served as journal reviewer for

- Current Issues in Middle Level Education
- Journal of Information Technology Education
- Middle. School Journal

Served on multiple department level and university wide committees every year since 1992. Served as chair on several.