Matthew T. Marino *Curriculum Vitae*
Director, Toni Jennings Exceptional Education Institute
Professor of Exceptional (i.e., Special) Education
University of Central Florida
matthew.marino@ucf.edu
Faculty Website

Vitae at a glance

- Ph.D. in Special Education, 2006
- $72 Million in continuous external funding since 2010 from National Science Foundation, Institute of Education Sciences, Office of Special Education Programs, & State of Florida
- 80+ Publications
- 10 peer-reviewed publications with 100+ citations
- 29 Years of Teacher Leadership Experience
- 100+ Invited, International, National, & Regional Presentations
- Google Scholar Citations

Education

Ph.D. in Special Education, cognate in Educational Leadership, 2006,
University of Connecticut: Storrs, CT
Master of Arts in Education, 1998, Northern Vermont University: Johnson, VT
Bachelor of Animal Science, 1994, University of Connecticut: Storrs, CT

Employment

2025 – Present **Director, Toni Jennings Exceptional Education Institute**
- Serve as the administrative officer of the Toni Jennings Exceptional Education Institute (TJEEI).
- Supervise full time research faculty and staff.
- Provide leadership in the development of a strategic vision for the institute
- Articulate a shared vision to both internal and external constituents.
- Oversee external resource development including extramural research funding and development, budget management, community relations, and other initiatives.
- Enhance impact, program quality, and research opportunities across programs.
- Recognize, reinforce, facilitate, and actively participate in advancing scholarship and research endeavors of the TJEEI.
- Extend partnerships related to education in public and private sectors.
- Develop long range planning for faculty and staff recruitment, professional development, and evaluation.

2018 – Present **Professor of Exceptional Student (i.e., Special) Education**
Toni Jennings Exceptional Education Institute
(Affiliate faculty & Leadership Team)
Lockheed Martin Academy
(Affiliate faculty)
Learning Sciences Faculty Cluster
(Affiliate faculty)
University of Central Florida: Orlando, FL

2021 – 2022	**Interim Director, Toni Jennings Exceptional Education Institute** University of Central Florida: Orlando, FL
2012 – 2018	**Associate Professor of Exceptional Student (i.e., Special) Education** Interactive Experience Research Cluster of Excellence (Affiliate Faculty, 2015 - present) iSTEM Fellow (Affiliate faculty, 2015 - present) University of Central Florida: Orlando, FL
2006 – 2012	**Assistant / Associate Professor of Special Education** Washington State University: Pullman, WA
2003 – 2005	**Professional Development Center Coordinator** University of Connecticut: Storrs, CT
2003 – 2004	**Universal Design Research Assistant** University of Connecticut: Storrs, CT
2002 – 2003	**Learning Specialist** University of Connecticut: Storrs, CT
1998 - 2002	**Middle Level Teacher & Technology Coordinator** Montgomery Elementary & Middle School: Montgomery, VT
1996 - 1997	**Special Education Teacher** The Discovery Program: Newport, VT

Project Leadership & External Funding

National

2025 – 2028 Project **UPCS: Unlimited Potential Community Schools** – Empowering students, families, and communities through statewide university partnerships within high need districts. U.S. Department of Education: Office of Elementary and Secondary Education Full-Service Community Schools Program. Co-Principal Investigator. $50 million. Award # S215J230052

2024 – 2029 **Special education teacher education Policy, Practice, and Research doctoral training Consortium: SPARC.** Co-Principal Investigator. $6.5 million. U.S. Department of Education, Office of Special Education Programs. Award #H325H240016

2023-2027 **Team-based Research and Teaching to Prepare Experts in Language, Literacy, and Learning (T-P3).** FSU and UCF partnership. Co-Principal Investigator. $2.5 million. U.S. Department of Education, Office of Special Education Programs Award Number: H325D230065.

2021-2025 National Center to Improve Faculty Capacity to Use Educational Technology in Special Education, Early Intervention, and Related Services Personnel Preparation and Leadership Personnel Preparation: **Center for Innovation, Design, and Digital Learning.** Co-Principal Investigator. $3 million. U.S. Department of Education, Office of Special Education Programs. Award #H327F200008.

2020-2025 **Project Social Code: Leveraging Robotics and STEM Environments to Teach Social Skills at the Elementary Level.** Co-Principal Investigator. $2.5 million. U.S. Department of Education, Office of Special Education Programs. Award Number H327S200008

2020 – 2024 **Enhancing Engagement and Conceptual Understanding of Fractions for Students with Learning Disabilities using the Model Education Mathematics Curriculum.** Co-Principal Investigator. $1.4 million. National Science Foundation. Award #1949122.

2019 – 2024 **Technology Enhanced Learning Enabled by Partner Organizations, Research, & Teaching Success: TELEPORTS**. Principal Investigator. $1.25 million. U.S. Department of Education, Office of Special Education Programs. Award #H325D180022.

2018 – 2019 **Operation Investigation Translation and Hero Elementary Game Development for Project Ready to Learn (RTL).** $110,000. Co-Principal Investigator. Contract with Public Broadcasting Stations (PBS), U.S. Department of Education Award Number U295A100025, CFDA No. 84.295A

2018 – 2019 **Sound Game Development for Project Ready to Learn (RTL)**. $150,000. Co-Principal Investigator. Contract with Public Broadcasting Stations (PBS), U.S. Department of Education Award Number U295A100025, CFDA No. 84.295A

2018 – 2019 **Lights and Shadow Game Development for Project Ready to Learn (RTL).** $135,847. Co-Principal Investigator. Contract with Public Broadcasting Stations (PBS), U.S. Department of Education. Award# U295A100025, CFDA No. 84.295A

2015 – 2018 **Interdisciplinary Coaching As a Nexus for transforming how institutions support undergraduates in STEM (Project Focus).** $250,000, Principal Investigator, National Science Foundation (NSF 14-588). Award #1505202.

2015 – 2020 **Preparing special educators in Autism Spectrum Disorders.** $1.25 million, Co-Principal Investigator, U.S. Department of Education Office of Special Education and Rehabilitation Services (CFDA 84.325). Award #H325K150201.

2010 - 2013 **Game-enhanced interactive life science for students with learning disabilities.** $838,000**,** Co-Principal Investigator. U.S. Department of Education, Institute of Education Sciences. Education technology products for students (ED-IES-10-R-0008)**.** Award #ED-IES-10-C-0023.

2010 - 2013 **Interactive Field Investigation Guide (iFIG): An accessible platform to provide STEM for ALL** $400,000, Co-Principal Investigator, U.S. Department of Education, Office of Special Education & Rehabilitative Services, Steppingstones of technology innovation for children with disabilities (CFDA 84.327A)**.** Award # H327A100047.

2011 **Game-enhanced Interactive Physical Science,** $150,000, Co-Principal Investigator, National Science Foundation (NSF 09-541). Award # IIP-1046229.

State

2023 – 2026 **Inclusive Education Services.** $1.5 million, Principal Investigator. Florida Center for Students with Unique Abilities. Award #14107033-070123-3-35.

2022 – 2023 **Inclusive Education Services.** $250,000, Principal Investigator. Florida Center for Students with Unique Abilities. Award #03277A01.

Impact: Professional Development & Technology Products for Educators

CIDDL Resources. University of Kansas, University of Central Florida, and CAST. (2022 - 23). Center for Innovation, Design, and Digital Learning. Product of Award #H327F20008.

University of Central Florida. (2022 - 23). Project RISE. Product of U.S. Department of Education Award #H325D180022.

North Carolina State University (PI Hunt) and University of Central Florida (Co-PIs Marino & Taub). (2022). Dream 2B. Product of NSF award #1949122

Filament Games & **Marino, M. T.** (2016). Prisoner of Echo. Product of NSF Award 09-541. Filament Games. Madison: WI.

Filament Games & **Marino M. T.** (2012). Cell Command. Product of U.S. Department of Education, Institute of Education Sciences Award #ED-IES-10-C-0023. Filament Games. Madison: WI.

Filament Games & **Marino M. T.** (2012). Crazy Plant Shop. Product of U.S. Department of Education, Institute of Education Sciences Award #ED-IES-10-C-0023. Filament Games. Madison: WI.

Filament Games & **Marino M. T.** (2012). Reach for the Sun. Product of U.S. Department of Education, Institute of Education Sciences Award #ED-IES-10-C-0023. Filament Games. Madison: WI.

Filament Games & **Marino M. T.** (2012). You Make Me Sick!. Product of U.S. Department of Education, Institute of Education Sciences Award #ED-IES-10-C-0023. Filament Games. Madison: WI.

Professional Honors & Awards

2024 UCF Luminary Award
2021 Co-PI National Center for Innovation, Design, and Digital Learning sponsored by the U.S. Department of Education.
2018 Promotion to Full Professor.
2017 Inspiring Leaders in STEM Award, presented by Insight into Diversity.
2017 Research Incentive Award, presented by The University of Central Florida.
2017 Video Games developed from IES and NSF funded projects featured as exemplar science learning games by the U.S. Department of Education in the publication "Reimagining the Role of Technology in Education" (p. 22).
2016 Video Games developed from IES and NSF funded projects featured as exemplar science learning games in the U.S. Department of Education publication "Future Ready Learning" (p. 20).
2015 iSTEM Fellow Award, University of Central Florida.
2012 Promotion to Associate Professor with Tenure.
2012 Most Innovative Technology Product Award Winner with partner Filament Games. SIIA Innovation Incubator Award.
2011 National STEM Video Game Challenge Grand Prize Winner with partner Filament Games. $50K award presented by Aneesh Chopra, United States Chief Technology Officer.
2011 Nominated for the Council for Exceptional Children Division for Research Early Career Publication Award.
2011 Invited Co-Facilitator, Technology and Media Division showcase presentation on STEM education, Council for Exceptional Children 2011 Annual Conference, Washington D.C.
2010 Featured Research Scientist by The Center on Technology and Disability. A project funded by the U.S. Department of Education, Office of Special Education Programs (OSEP).
2010 Co-Guest Editor, Journal of Special Education Technology, Topical Issue on STEM Education for Individuals with Disabilities.
2010 Empirical articles featured on the National Center on Universal Design for Learning Website, a project funded by the U.S. Department of Education.
2010 Excellence in Collaboration and Networking Award, Washington State University.
2005 University of Connecticut Doctoral Fellowship Award
2004 Pi Lambda Theta International Honor Society in Education

University Teaching

University of Central Florida, Orlando

EEX 4242 – Teaching Exceptional Students in Secondary Settings (Undergraduate)
EEX 4941 – Student Teaching Supervisor (Undergraduate / Graduate)
EEX 4763 – Technology for Teachers of Students with Special Needs (Undergraduate)
EEX 6065 – Programming for Students with Disabilities at the Secondary Level (Graduate)
EEX 6938 – College and Career Readiness for Adolescents with Disabilities (Graduate)
EEX 7527 – Professional Writing / Grant Writing (Doctoral)
EEX 6918 – Directed Research (Doctoral)
EEX 6908 – Directed Independent Studies (Doctoral)
EEX 7466 – Universal Design for Learning: A framework for Exceptional Education Research (Doctoral)

Washington State University, Pullman

SPED 595 – Universal Design for Learning (Doctoral)
SPED 420/520 – Teaching in the Inclusive Classroom (Undergraduate/Masters)
SPED 403 /503 – Secondary Education for Students with Disabilities (Undergraduate/Masters)
T&L 470 - Methods for Teaching English Language Learners and Students with Disabilities for Secondary Teachers (Undergraduate)

University of Connecticut, Storrs

Undergraduate Courses
EPSY 308 - Instruction for Students with Special Needs in the Mainstream
EDCI 391 – Learning Theories
EGEN 294, 295, & 297 – Student Teaching Practicum Seminars for Secondary Teachers

Publications

* Denotes doctoral scholarship from funded research projects.

Refereed Journal Articles

*Holman, K., **Marino, M. T.**, Vasquez, E., Hunt, J., Taub, M., & Tazi, Y. (in press). Artificial intelligence interventions in mathematics education: A systematic literature review. *Insights into Learning Disabilities*.

Marino, M. T., Vasquez, E. *Wilder, T., and Basham, J. D. (2025) Unions as change agents: Washington Education Association's pioneering approach to special education teacher preparation. *School Community Journal*, 35(1), 109-136. http://www.schoolcommunitynetwork.org/SCJ.aspx

Hunt, J. H., Taub, M., **Marino, M. T.,** *Holman, K., & *Womack-Adams, K. (2025). Increasing student engagement, fraction knowledge, and STEM interest through game-based intervention. *Journal of Special Education Technology*, https://doi.org/10.1177/01626434251314014

Howorth, S. K., **Marino, M. T.**, Flanagan, S., Cuba, M. J., & Lamke, C. (2024). Integrating emerging technologies to enhance special education teacher preparation. *Journal of Research in Innovative Teaching & Learning.* 2397-7604. https://www.emerald.com/insight/content/doi/10.1108/jrit-08-2024-0208/full/html

Marino, M. T. & Vasquez, E. (2024). Special education administrators use of artificial intelligence (AI) to synthesize data. *Journal of Special Education Leadership, 37*(2), 62 – 76.

*Anderson, K. & **Marino, M. T**. (2024). Executive function coaching for college students with disabilities: A systematic literature review. *Journal of Postsecondary Education and Disability, 37*(2), 131-142.

*Holman, K., **Marino, M. T.**, Vasquez, E., Taub, M., Hunt, J. H., & Tazi, Y. (2024). Navigating AI powered personalized learning in special education: A guide for preservice teacher faculty. *Journal of Special Education Preparation, 4*(2), 90-95. https://openjournals.bsu.edu/JOSEP/article/view/5277

Marino, M. T., Vasquez, E. III, Dieker, L. A., Basham, J. D., & Blackorby, J. (2023). The future of artificial intelligence (AI) in special education technology. *Journal of Special Education Technology, 38(3)*. https://journals.sagepub.com/doi/10.1177/01626434231165977

Hunt, J. H., Taub, M., **Marino, M. T.,** *Duarte, A., *Bentley, B., *Holman, K., & *Kuhlman, A. (2023). Effects of game-enhanced supplemental fraction curriculum on student engagement, fraction knowledge, and stem interest. *Education Sciences, 13*(7), 646. https://doi.org/10.3390/educsci13070646

Hunt, J. H., Taub, M., *Duarte, A., *Bentley, B., *Womack-Adams, K., **Marino, M. T.,** *Holman, K., & *Kuhlman, A. (2023). Elementary teachers' perceptions and enactment of Supplemental, game-enhanced fraction intervention. *Education Sciences*, *13*(11), 1071. https://doi.org/10.3390/educsci13111071

Hunt, J. H**.**, Taub, M., **Marino, M. T.,** *Duarte, A., *Bentley, B., *Holman, K., & *Banzon, A. (2022). Enhancing engagement and fraction concept knowledge with a universally designed game-based curriculum. *Learning Disabilities: A Contemporary Journal*, 20(1), 77-95. https://eric.ed.gov/?id=EJ1339498

*Anderson, K., & **Marino, M. T.** (2022). Using technology as a compensatory technique for executive function skill deficits during the coaching process. *Journal of Special Education Technology*, *38*(4) 1–8. https://doi.org/10.1177/01626434221146765

Hunt, J. H., Taub, M, **Marino, M. T., ***Duarty, A, *Bently, B., *Holman, & *Banzon, A. (2022) Enhanced engagement and fraction concept knowledge with a universally designed game-based curriculum. *Learning Disabilities: A Contemporary Journal, 20*(1), 77-95. https://files.eric.ed.gov/fulltext/EJ1339498.pdf

Marino, M. T., Vasquez, E., Banerjee, M., Parsons, C., *Saliba, Y. C., *Gallegos, B., & *Koch, A. (2020). Coaching as a means to enhance performance and persistence in undergraduate STEM majors with executive function deficits. *Higher Education Theory and Practice*. *20*(5). https://doi.org/10.33423/jhetp.v20i5.3040

Vasquez, E., & **Marino, M. T.** (2020). Enhancing executive function while addressing learner variability in inclusive classrooms. *Intervention in School and Clinic*. https://journals.sagepub.com/doi/10.1177/1053451220928978

Basham, J. D., Blackorby, J. & **Marino, M. T.** (2020). Opportunity in crisis: The role of Universal Design for Learning in educational redesign. *Learning Disabilities: A Contemporary Journal, 18*(1), 71-91. https://eric.ed.gov/?id=EJ1264277

Love, T. S., Roy, K. R., & **Marino, M. T.** (2020). How can instructors make appropriate accommodations and modifications while maintaining a safer teaching and learning environment for ALL students and themselves? *International Technology & Engineering Educators Association Journal (ITEEA), 79*(5), 23-27. https://www.iteea.org/Publications/Journals/TET/166256/SSFeb20.aspx

Smith, S. J., Rao, K., Lowery, A. K., Gardner, J. E., Moore, E., *Coy, K., **Marino, M. T.**, & Wojcik, B. (2019). Recommendations for a national research agenda in UDL: Outcomes from the UDL-IRN preconference on research. *Journal of Disability Policy Studies*, 1-12. https://journals.sagepub.com/doi/10.1177/1044207319826219

*Mrstik, S., Pearl C., *Hopkins, R., Vasquez. E., & **Marino, M. T**. (2019). Combating special educator attrition mentor teachers' perceptions of job satisfaction, resiliency and retention. *Australian Journal of Special and Inclusive Education, 43(1),* 27 - 40*.* https://www.cambridge.org/core/journals/australasian-journal-of-special-and-inclusive-education/article/combating-special-educator-attrition-mentor-teachers-perceptions-of-job-satisfaction-resiliency-and-retention/B5EEDE3E9A5F5D2DAC3F0A171677E262

*Xie, J., Basham, J. D., **Marino, M. T.**, & Rice, M. (2018). Reviewing research on mobile learning for students with and without disabilities in k-12 educational settings. *Journal of Special Education Technology, 33(1), 27*-39. https://journals.sagepub.com/doi/abs/10.1177/0162643417732292?journalCode=jsta

Vasquez, E., **Marino, M. T.,** *Donehower, C., & *Koch, A. (2017). Functional analysis in virtual environments. *Rural Special Education Quarterly, 36*(1), 17-24. https://journals.sagepub.com/doi/10.1177/8756870517703405

Pearl, C. E., Vasquez, E., **Marino, M. T.,** Wienke, W., *Donehower, C., & *Gourwitz, J. (2017). Establishing content validity of the quality indicators for classrooms serving students with autism spectrum disorder instrument. *Teacher Education and Special Education*, 41(1), http://journals.sagepub.com/doi/abs/10.1177/0888406416687814#articleCitationDownloadContainer

Israel, M., *Wang, S., & **Marino, M. T.** (2016). A multilevel analysis of diverse learners playing life science video games: Interactions between game content, learning disability status, reading proficiency, and gender*. The Journal of Research on Science Teaching*, 53(2), 324-345. https://onlinelibrary.wiley.com/doi/abs/10.1002/tea.21273

Vasquez III, E., Nagendran, A., Welch, G. F., **Marino, M. T**., Hughes, D. E., *Koch, A., & *Delisio, L. (2015). Virtual learning environments for students with disabilities: A review and analysis of the empirical literature and two case studies. *Rural Special Education Quarterly, 34*(3), 26-32. https://journals.sagepub.com/doi/10.1177/875687051503400306

Hayes, M. T. & **Marino, M. T.** (2015). Utopia: An imaginative, critical and playful dialogue on the meaning and practice of contemporary education. *E-learning and Digital Media*, 12(3-4), 327-342. https://journals.sagepub.com/doi/full/10.1177/2042753015571039

Marino, M. T., *Becht, K., Vasquez III, E., *Gallup, J., Basham, J. D., & *Gallegos, B. (2014). Enhancing secondary science content accessibility with video games. *Teaching Exceptional Children*, 47(1), 27-34. https://journals.sagepub.com/doi/abs/10.1177/0040059914542762

Marino, M. T., Gotch, C., Israel, M., Vasquez, E. III, Basham, J. D., & *Becht, K. M. (2014). UDL in the middle school science classroom: Can video games and alternative text heighten engagement and learning for students with learning disabilities? *Learning Disability Quarterly*, 37, 87-99. https://journals.sagepub.com/doi/abs/10.1177/0731948713503963?journalCode=ldqa

*Coy, K., **Marino, M. T.,** & *Serianni, B. (2014). Using Universal Design for Learning in synchronous online instruction. *Journal of Special Education Technology*, 29(1), 63-74. https://journals.sagepub.com/doi/abs/10.1177/016264341402900105?journalCode=jsta

Marino, M. T., Israel, M., *Beecher, C. C., & Basham, J. D. (2013). Students' and teachers' perceptions of using video games to enhance science instruction. *Journal of Science Education and Technology*, 22, 667-680. https://link.springer.com/article/10.1007/s10956-012-9421-9

Basham, J. D., Smith, S. J., Greer, D. L., & **Marino, M. T.** (2013). The scaled arrival of K-12 online education: Emerging realities and implications for the future of education. *Journal of Education. 193*(2), 51-60. https://journals.sagepub.com/doi/10.1177/002205741319300206

Israel, M., **Marino, M**., Basham, J., & *Spivak, W. (2013). 5th graders as app designers: How diverse learners conceptualize educational apps. *Journal of Research on Technology in Education, 46*(1), 53-80. https://www.tandfonline.com/doi/abs/10.1080/15391523.2013.10782613

Basham, J. D. & **Marino, M. T.** (2013). Understanding STEM education and supporting students through Universal Design for Learning. *Teaching Exceptional Children. 45*(4), 8-15. https://journals.sagepub.com/doi/10.1177/004005991304500401

Marino, M. T. & Hayes, M. T. (2012). Promoting inclusive education, civic scientific literacy, and global citizenship with video games. *Cultural Studies of Science Education, 7*(4), 945-954. https://link.springer.com/article/10.1007/s11422-012-9429-8

Marino, M. T., Tsuruski, B. K., & Basham, J. D. (2011). Selecting science software for students with learning disabilities and other special needs. *The Science Teacher, 78*(3), 70-72. https://www.researchgate.net/publication/275354001_Selecting_software_for_students_with_learning_and_other_disabilities

Marino, M. T., Basham, J. D., & *Beecher, C. C. (2011). Using video games as an alternative science assessment for students with disabilities and at-risk learners. *Science Scope, 34*(5), 36-41. https://www.jstor.org/stable/44290326

Marino, M. T. & *Beecher, C. C. (2010). Conceptualizing RTI in 21st Century secondary science classrooms: Video games' potential to provide tiered support and progress monitoring for students with learning disabilities. *Learning Disability Quarterly, 33(4), 299-311*. https://journals.sagepub.com/doi/abs/10.1177/073194871003300407?journalCode=ldqa

Marino, M. T. (2010). Defining a technology research agenda for elementary and secondary students with learning and other high incidence disabilities in inclusive science classrooms. *Journal of Special Education Technology 25*(1), 1-28. https://journals.sagepub.com/doi/10.1177/016264341002500101

Basham, J. D. & **Marino, M. T**. (2010). Introduction to the topical issue: Shaping STEM education for ALL students. *Journal of Special Education Technology*, 25(3), 1-2. https://journals.sagepub.com/doi/abs/10.1177/016264341002500301?journalCode=jsta

Marino, M. T., Black, A., Hayes, M., & *Beecher, C. C. (2010). An analysis of factors that affect struggling readers' comprehension during a technology-enhanced STEM astronomy curriculum. *Journal of Special Education Technology*, 25(3), 35-48. https://journals.sagepub.com/doi/abs/10.1177/016264341002500305

Marino, M. T., Coyne, M. D., & Dunn, M. W. (2010). Technology-based curricula: How altered readability levels affect struggling readers' passage comprehension. *Journal of Computing in Mathematics and Science Teaching, 29*(1), 31-49. https://eric.ed.gov/?id=EJ881592

*Messinger-Willman, J., & **Marino, M. T.** (2010). Universal Design for Learning and assistive technology: Leadership considerations for promoting inclusive education in today's secondary schools. *NASSP Bulletin 94*(1), 5-16. https://journals.sagepub.com/doi/10.1177/0192636510371977

Marino, M. T. (2009). Understanding how adolescents with reading difficulties utilize technology-based tools. *Exceptionality, 17*(2), 88-102. https://www.tandfonline.com/doi/abs/10.1080/09362830902805848

Marino M. T., Sameshima, P., & *Beecher, C. C. (2009). Integrating TPACK in pre-service teacher education: Frameworks for promoting inclusive educational practice. *Contemporary Issues in Technology and Teacher Education,* 9(2), 186-207. https://citejournal.org/volume-9/issue-2-09/general/enhancing-tpack-with-assistive-technology-promoting-inclusive-practices-in-preservice-teacher-education/

Marino, M. T., & *Beecher, C. C. (2008). Assistive technology policy: Promoting inclusive education for students with reading disabilities. *Northwest Passage: Journal of Educational Practices, 6*(1), 14-22. https://pdxscholar.library.pdx.edu/nwjte/vol6/iss1/3/

Marino, M. T., Marino, E. C., & Shaw, S. F. (2006). Making informed assistive technology decisions for students with high incidence disabilities. *Teaching Exceptional Children*, 38(6), 18-25. https://journals.sagepub.com/doi/abs/10.1177/004005990603800603?journalCode=tcxa

Journal Guest Editorship

Basham J. D. & **Marino, M. T.** (Eds.). (2010). Science, Technology, Engineering, and Mathematics in Special Education. *Journal of Special Education Technology, 25*(3), 1-2.

Refereed Books

Marino, M. T., Israel, M., *Patterson, M. S., *Bennett, A., & *Stevens, G. (2024). Universal Design for Learning innovation configuration: Recommendations for teacher preparation and professional development (Document No. IC-7b). University of Florida, Collaboration for Effective Educator Development, Accountability, and Reform Center website: http://ceedar.education.ufl.edu/tools/innovation-configurations/

Center for Innovation, Design, and Digital Learning. (2024) Inclusive intelligence: The impact of AI on education for all learners. E. Vasquez, J. D. Basham, & **M. T. Marino** (Eds). Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Refereed Book Chapters

Marino, M. T., Basham, J. D., Courtade, G., Hott, B. L., Howorth, S. K., Goldman, S. R., & Vasquez, E. (2024). Using AI in the classroom: Considerations for educators (pp. 37 – 54). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Marino, M. T., Basham, J. D., Dieker, L. A., *Goldman, S. R., Gumpert, M., & Jiminez et al. (2024). Teacher practices and AI assessment (pp. 27 – 36). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Basham, J. D., Hott, B. L., Himenez, B., **Marino, M. T.,** Nagro, S. A., Smith, S. J., & Vasquez, E. (2024). Envisioning AI's Impact on Special Education Research. (pp. In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Brennan, K., Basham, J. D., **Marino, M. T.,** Nagro, S. A., & Vasquez, E. (2024). Policy and guidance considerations for artificial intelligence in supporting students with disabilities. (pp. 76-84). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Dieker, L. A., Basham, J. D., Blackorby, J., **Marino, M. T.,** Patel, P., & Vasquez, E. (2024) Industry Collaboration for Educators and Artificial Intelligence. (pp. 85-91). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Smith, S. J., Bailey, T. R., Basham, J. D., Hurtado, E. T., **Marino, M. T.,** Tuck, K., & Vasquez, E. (2024) Enhancing the school home connection: Empowering parents with artificial intelligence. (pp. In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Vasquez, E., Basham, J., *Goldman, S., Gumpert, M., **Marino, M. T.,** Nagro, S., & Smith S. (2024), Considering artificial intelligence in higher education. (pp. 18-26). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Vasquez, E., Basham, J., Jiminez, B., & **Marino, M. T.** (2024). Ethical considerations for educators leveraging artificial intelligence. (92-99). In E. Vasquez, J. D. Basham, & M. T. Marino (Eds). Inclusive Intelligence: The impact of AI on education for all learners. Center for Innovation, Design, and Digital Learning. Lawrence, KS. https://ciddl.org/wp-content/uploads/2024/04/InclusiveIntelligence_a11y_navadded.pdf

Marino, M. T., Vasquez, E., & *Parsons, C. (2022). Ensuring students with high incidence disabilities are successful in nontraditional STEM learning environments. In K. Roy & T. S., Love (Eds.), *Safer Makerspaces, Fab Labs, and STEM labs: A collaborative Guide 2nd edition.* Vernon, CT: National Safety Consultants, LLC.

Israel, M., **Marino, M. T**., Yan, W., & Samuels, J. H. (2021). *Using technology to support effective inclusive elementary schools*. In J. McKleskey, B. Algozzine, & N. L. Waldron (Eds.) Handbook of Effective Inclusive Elementary Schools Research and Practice 2nd edition. Milton Park, England: Routledge.

Marino. M. T., *Parsons, C. A., *Brewer, J., & Vasquez, E. (2021). Students with disabilities in science/STEM. In K. Roy & K. Doyle [Eds.], *Science Laboratory Safety Manual 4th edition* (pp. 351-362). Vernon, CT: National Safety Consultants, LLC.

Basham, J. D., **Marino, M. T.,** *Hunt, C. & *Han, K. (2020). Considering STEM for Learners with Disabilities and Other Diverse Needs. In C., Johnson, M., Mohr-Schroder, T., Moore, & L., English (Eds.). *Handbook of Research on STEM Education* (pp. 128-137). Philadelphia, PA: Routledge. ISBN: 9780367075606, 0367075601. https://www.routledge.com/Handbook-of-Research-on-STEM-Education/Johnson-Mohr-Schroeder-Moore-English/p/book/9780367075620

Madaus, J. W., Dukes III, L. L., Fleming, A. R., Lindstrom, J. E., Lindstrom, W., & **Marino, M. T.** (2020). Promoting access to supports and accommodations in postsecondary education. In K. Shogren and M. Wehmeyer (Eds.), *Handbook of Adolescent Transition Education for Students with Disabilities*. 330-345. New York: Routledge. https://www.routledge.com/Handbook-of-Adolescent-Transition-Education-for-Youth-with-Disabilities/Shogren-Wehmeyer/p/book/9780367188016

Marino, M. T., Israel, M., Vasquez, E., *Fisher, K. M., & *Gallegos, B. (2019). Teaching and learning with technology. In A. S. Canestrari, & B. A. Marlowe (Eds.), *The Wiley International Handbook of Educational Foundations* (pp. 245-261). Hoboken, NJ: Wiley Blackwell. ISBN: 978-1-118-93180-6. https://www.wiley.com/en-us/The+Wiley+International+Handbook+of+Educational+Foundations-p-9781118931806

Marino, M. T. (2002). Developing a middle level science learning center investigation. In Voss, R. (Ed.), *The world in the minds of our pupils: A necessary change of perspectives in teaching methods (pp. 85-104).* Neuwied, Germany: Luchterhand.

Commissioned Paper

Israel, M., **Marino, M.**, *Delisio, L., & *Serianni, B. (2014). Supporting content learning through technology for K-12 students with disabilities (Document No. IC-10). Retrieved from University of Florida, Collaboration for Effective Educator, Development, Accountability, and Reform Center (CEEDAR). http://ceedar.education.ufl.edu/tools/innovation-configurations/

Professional Development Handbooks

Marino, M., Rollins, G., Deleon, A., & Roselle, R. (2005). Professional development center coordinator handbook. Storrs: University of Connecticut, Center on Postsecondary Education and Disability.

Marino, M., Scott, S., McGuire, J., & Embry, P., (2004). Assess the assessment: A case study on the application of Universal Design for Instruction in the graduate teaching assistant role. Storrs: University of Connecticut, Center on Postsecondary Education and Disability.

Marino, M., Scott, S., McGuire, J., & Embry, P., (2004). Dramatic tension: A case study on the application of Universal Design for Instruction in the graduate teaching assistant role. Storrs: University of Connecticut, Center on Postsecondary Education and Disability.

Refereed Proceedings

Marino, M. T. & Vasquez, E. (2020). *Coaching as a means to enhance executive function for postsecondary STEM majors*. AERA annual conference. San Francisco, CA. Conference Cancelled.

Vasquez, E. & **Marino, M. T.** (2020). *A five-year PLS-SEM study of postsecondary STEM majors*. AERA Annual conference. San Francisco. CA. Conference Cancelled.

Marino, M. T. & Vasquez, E. (2019). *Changing students' lives with personalized executive function mentoring.* 2019 UDL IRN Summit. Retrieved from https://www.learningdesigned.org/resource/changing-students-lives-personalized-mentoring

Marino, M. T., Vasquez, E., & Basham, J. D. (2017). *Preparing special educators to promote college and career readiness in STEM: The iCAN project*. Proceedings from the American Education Research Association Annual Meeting. San Antonio, TX.

Marino, M. T., Basham, J. D., & Vasquez, E. (2017). *Teen Career Pathway: An analysis of a career preparation video game for middle school students with and without disabilities.* Proceedings from the American Education Research Association Annual Meeting. San Antonio, TX.

*Coy, K., **Marino, M. T**., & *Serianni, B. (2015). *Measuring Universal Design for Learning in the virtual school landscape.* Selected papers from the 2014 UDL-IRN Summit (pp. 91-110). Lawrence, KS: UDL IRN published monograph.

*Koch, A., Vasquez, E., **Marino, M. T**., *Straub, C., Schaffer, K., & *Donehower, C. (2014). *Trial based functional analysis in virtual environments for teacher preparation.* Proceedings from the Second Annual TeachLivE Conference. Orlando, FL.

Vasquez, E., *Straub, C., *Nagendran, A., **Marino, M. T.,** Schaffer, K., *Koch, A., *Delisio, L., & *Russel, M. (2014). *A comparison of simulated and traditional environments on the social responses for children with autism*. Proceedings from the Second Annual TeachLivE Conference. Orlando, FL.

Israel, M., *Wang, S., **Marino, M. T**., & Basham, J. D. (2014). *A multilevel analysis of diverse learners playing science video games: Interactions between gaming features, learning disability status, reading proficiency, and gender.* Paper presented at the American Educational Research Association 14th Annual Meeting. Philadelphia, PA.

Marino, M. T., & Black, A. (2010). *Factors associated with struggling readers' achievement in a technology-based astronomy curriculum.* Paper presented at the American Educational Research Association 10th Annual Meeting. Denver, CO.

Marino, M. T. (2008). *Washington State University Technology Resource Database: Identifying effective technology designs for students with dyslexia.* ED-MEDIA World Conference on Educational Multimedia, Hypermedia, and Telecommunications (pp. 1302-1306). Vienna, Austria.

Marino, M. T. (2007). *Technology-based curricula: Implications for adolescent students with reading difficulties.* In G. Marks (Ed.), Association for the Advancement of Computing in Education. Society for Information Technology & Teacher Education: 18th International Conference (pp. 3634-3640). San Antonio, TX.

Page, M., Marlowe, B., Hauge, K., **Marino, M. T.**, & Maloney, D. (2003). *The tyranny of progressive public schooling: Shaking up the dominant class.* In J. Lasonen & L. Lestinen (Eds.), Teaching and Learning for Intercultural Understanding, Human Rights and a Culture of Peace. UNESCO Conference Proceedings: Intercultural Education, Institute of Educational Research (pp. 15-18.), University of Jyvaskyla, Finland.

Invited Presentations, Workshops, & Webinars

Davis, N. & **Marino, M. T.** (2025, May). **Webinar.** *AI guidance: A look at implementing AI in schools and classrooms.* UMaine Artificial Intelligence Initiative.

Basham, J. D., **Marino, M. T**., & Smith, S. J. (2025, March). **Workshop***. Harnessing the power of AI in special education.* Council for Exceptional Children Annual Convention. Baltimore, MD.

Marino, M. T. & Marino J. E. (2025, February). **Presentation.** Executive function tasks your kids need to know. Down Syndrome Foundation of Central Florida. Orlando, FL.

Basham, J. D., **Marino, M. T**., & *Seung, Y. (2025, February). **Webinar.** Emergent themes of state AI guidance for educators. UMaine Artificial Intelligence Initiative. https://www.youtube.com/watch?v=lurLyXS9oMA

Marino, M. T. & Marino J. E. (November, 2024). **Presentation.** Improving executive functions in your home. Down Syndrome Foundation of Central Florida. Orlando, FL.

Marino, M. T. (October, 2024). **Keynote.** Let's Level Up. Florida Council for Exceptional Children. Gainesville, FL. Conference Canceled due to Hurricane Milton.

Marino, M. T. (June, 2024). **Presentation.** Using AI to monitor IEP services implementation. University of Maine, Orono, ME.

Marino, M. T. (May, 2024). **Presentation.** Teacher Education: Using AI in Designing and Delivering Courses. Washington Education Association. Walla Walla, Washington.

Marino, M. T. (May, 2024). **Presentation.** Using Data Analyst GPT to develop special education budgets and project staffing needs. University of Idaho. Moscow, ID.

Marino, M. T., McMahon, D., *Wilder, T. L., Dieker, L., & Smith, S. (February, 2024). **Webinar.** *Using AI in designing & delivering courses.* Council for Exceptional Children. https://cec.interactyx.com/pages/course/CourseMaterial.aspx?courseid=416

Vasquez, E., Basham J. D., & **Marino, M. T.** (January, 2024). **Presentation.** *The impact of Artificial Intelligence on special education teacher preparation programs*. Higher Education Consortium of Special Education (HECSE*)*. Winter Summit, Washington, D.C.

Marino, M. T., Vasquez, E III, *Patterson, M., *Wilder, T., *Tazi, Y, & *Parsons, C. (April, 2023). **Presentation.** *Project Rise: Developing a Universal Design for Learning Special Education Teacher Recruitment Map*. Harvard Graduate School of Education. Cambridge, MA.

Marino, M. T., & *Grays, A. (March, 2023). **Presentation.** *CIDDL Professional Development Resources*. Council for Exceptional Children Annual Convention, Louisville, KY.

Marino, M. T. & Marino, E. F. (June, 2022). Dream2B & Key lime Pie. CIDDL CIZZLs **Presentation**.

Marino, M. T., Vasquez, E., *Patterson, M., *Wilder, T., *Goldman, S., (2022, June). **Presentation.** *Get to know the CIDDL Center.* AACTE New and Seasoned Deans Leadership Academy. Tampa, FL.

Marino, M. T., & *Parsons, C. (2022, January). **Presentation.** *Technology trends and needs for preparing special educators and related service personnel: CIDDL Center*. Council for Exceptional Children Annual Conference. Orlando, FL.

Marino, M. T., & *Moore, E. (2021, November). **Webinar.** *Universal Design for Learning in Inclusive Education Services: A vision for the future.* Florida Center for Students with Unique Abilities. Orlando, FL.

Blackorby, J., Israel, M., **Marino, M. T.,** & *Moore, E. (2021, June). **Webinar.** *Embracing student differences in STEM education.* National Science Foundation. Community for Advancing Discovery Research in Education PI Meeting. Washington, D.C.

Marino, M. T. & Marino, E. F. (2021, May). **Webinar.** *Model Mathematics Education (ModelME): A video game for students in tier two elementary classrooms.* National Center for Innovation, Design, and Digital Learning (CIDDL). Lawrence, Kansas.

Marino, M. T., ***Anderson, K., & *Brewer, J. (2020, June). **Presentation. *Universal Design for Learning in Video Games. UDL-IRN Virtual Summit.* UDL-IRN & CAST. Wakefield, MA.

Marino, M. T. & Vasquez, E. (2020, May). **Webinar.** *Universal Design for Learning in Virtual Environments.* Unconference. Sponsored by the U.S. Department of Education Institute of Education Sciences, CAST, & Benetech. Washington, D.C.

Vasquez, E. & **Marino, M. T.** (2020, January). **Presentation.** *Infusing Universal Design for Learning in Virtual Environments.* Lunch with Leaders Project Directors Meeting. Office of Special Education Programs, U.S. Department of Education. Washington D.C.

Marino, M. T., *Parson, C., & Vasquez, E. (2019, December). **Presentation.** *Infusing Universal Design for Learning in video games*. Universal Design for Learning Implementation & Research Network southeastern conference. Orlando, FL.

Vasquez, E., Pearl, C., **Marino, M. T.,** Hopkins, R., (2018, August). **Presentation.** Quality indicators for classrooms serving students with autism spectrum disorders (QIASD). OSEP Project Directors Conference. Washington, DC.

Basham, J. D., Bergman, M., Howery, K., & **Marino, M. T.** (2017, May). **Webinar.** *Overcoming the controversy of technology and UDL*. Universal Design for Learning Implementation and Research Network.

Marino, M. T. & Vasquez, E. (2017, May). **Presentation.** *Understanding executive function disorders in postsecondary education*. UCF Summer Faculty Development Conference.

*Schreffer, J. & **Marino, M. T.** (2017, May). **Presentation.** *Universal Design for Learning: A framework for accessible curricular materials.* UCF Summer Faculty Development Conference.

Marino, M. T. (2017, May). **Keynote.** *Strategies for mastering life with a disability*. Orange County High School High Tech Program. Orlando, FL.

Marino, M. T. (2017, April). **Presentation.** *Infusing Universal Design for Learning in video games.* Public Broadcast System (PBS) Kids & WestEd. Washington: DC.

Gardner, J. E., Lowery, A., **Marino, M. T.,** Rao, K., Smith, S., & Wojic, B. (2017, March). **Panel Discussion.** *Critical issues for UDL research.* UDL Implementation and Research Network Summit. Orlando, FL.

Gardner, J. E., Lowery, A., **Marino, M. T.,** Rao, K., Smith, S., & Wojic, B. (2017, March). **Panel Discussion.** *UDL research: The next phase.* UDL Implementation and Research Network Summit. Orlando, FL.

Marino, M. T. (2017, March). **Presentation.** *Designing educational video games.* Crooms Academy of Information Technology. Sanford, FL

Marino, M. T. (2016, November). **Presentation.** *Research strategies to promote academic success.* University of New South Wales (UNSW). Sydney: AU.

Basham, J. D., Dieker, L. A., Gardner, J. E., **Marino, M. T.,** & Vasquez, E. (2016, November). **Panel Discussion**. *Innovative technologies in teacher preparation programs.* Teacher Education Division of the Council for Exceptional Children Annual Conference. Lexington, KY.

Israel, M., **Marino, M. T.,** Moody, A., & Munson, J. (2016, September). **Webinar**. *Innovations in STEM education: Technology to support students with autism.* U.S. Department of Education Offices of Special Education Programs and STEM initiatives.

Marino, M. T. (2016, April). **Presentation.** *iCAN: A collaborative study to promote STEM performance and persistence for college students with disabilities.* Landmark College, Putney VT.

Marino, M. T., Vasquez, E., Hines, R., & *Holbrook, J. (2016, April). **Workshop.** *Technology Innovations at the University of Central Florida*. Florida Technology Leadership Consortium. Orlando, FL.

Basham, J. D., **Marino, M. T**., DeCoste, D., & Diedrich, J. (2016, February). **Presentation.** *Universal Design for Learning town hall forum*. Assistive Technology Industry Association (ATIA) Annual Conference. Orlando, FL.

Marino, M. T. (2016, January). **Presentation.** *Bringing a model of STEM supports for students with disabilities to scale: The iCAN project.* American Educational Research Association special education STEM meeting. University of California, Santa Barbara, CA.

Israel, M. & **Marino, M. T.** (2015, May). **Webinar**. *Enhancing content learning with technology for students with disabilities.* CEEDAR Center. University of Florida. Gainesville, FL.

Marino, M. T. (2014, November). **Keynote.** *Designing learning environments for all students: Increasing access through technology.* Urban Collaborative 20th Anniversary Meeting. Houston, TX.

Marino, M. T. (2014, August). **Workshop.** *Designing effective online special education graduate programs.* University of Kansas Center for Research on Learning. Lawrence, KS.

*Coy, K., **Marino, M. T.,** & *Serianni (2014, January). **Pre-conference workshop.** *Universal Design for Learning in k-12 virtual schools.* Florida Education Technology Conference. Orlando, FL.

Marino, M. T., Osmond, S., Pineda, L., Merritt, G. C., & Leboff, J. (2014, January). **Presentation.** *Can video games make you smarter?* Orlando Science Center. Orlando, FL.

Marino, M. T. (2013, April). **Presentation.** *Universal Design for Learning in virtual learning environments.* Harvard Graduate School of Education. Cambridge, MA.

Marino M. T. (2012, November). **Featured Speaker.** *Increasing middle school students' STEM performance using video games.* University of Central Florida Research and Commercialization Outreach Services annual meeting. Orlando, FL.

Rose, D., Edyburn, D., Basham, J. D., & **Marino, M. T.** (2012, April). **Presentation.** *Supporting UDL: Current and future innovations.* Council for Exceptional Children Annual Convention. Denver, CO.

Marino, M. T. (2011, May). **Keynote.** *Using video games to engage all students in STEM!* Bringing STEM Innovations to Life Annual Conference. Cincinnati, OH.

Marino, M. T. (2011, October). **Presentation.** *Enhancing STEM education with video games.* University of Kansas, Center for Research on Learning. CRL Learns Lecture Series. Lawrence, KS.

Basham, J. D., Israel, M., **Marino, M. T**., Gardner, J. E., & *Gauthier, W. (2011, April). **Presentation.** *Using technology to support science, technology, engineering, and mathematics (STEM) for all.* Council for Exceptional Children Annual Convention: Technology and Media Showcase Presentation. Baltimore, MD.

Marino, M. T. (2009, April). **Presentation.** *Improving curriculum access with multiplayer virtual reality games.* Council for Exceptional Children Annual Convention. Seattle, WA.

Marino, M. T. (2004, November). **Presentation.** *Assessment in the inquiry-based science classroom*. Galileo Project. Storrs, CT.

Kelleher, J. & **Marino, M. T.** (2004, October). **Presentation.** *Using measurement, evaluation and communication to introduce a new electronic portfolio assessment system in the Neag School of Education*. Assessment Institute. Indiana University-Purdue University Indianapolis, IN.

Marino, M. T. (2004, April). **Presentation.** *Implementing science curriculum reform.* Galileo Project. Storrs, CT.

Marino, M. T. (2003, September). **Presentation.** *Creating a constructivist-learning environment in your classroom. Second Congress on Educational Reform*. Reinventing Schools: Praxis, Reflection & Instruction. Koblenz, Germany.

Refereed Conference Proceedings

International

Hunt, J. H., Taub, M., **Marino, M. T.,** *Coleman, E., *Holman, K., & *Kuhlman, A. (2024, January). *Effects of game-enhanced curriculum on students' fraction outcomes, engagement, and STEM interest.* Paper presented at the 22nd Annual Hawaii International Conference on Education, Waikoloa, Hawaii.

Hunt, J. H., **Marino, M. T.,** Taub., M., *Holman, K., *Womack-Adams, K., *Coleman, E., & *Kulman, A. (2023, October). *Student engagement, understanding, and STEM interest in a game based supplemental fraction curriculum.* Paper presented at the 44th annual meeting of the North American Chapter of the International Society of the Psychology of Mathematics Education (PME-NA), Reno, NV.

Hunt, J. H., **Marino, M. T.,** Taub, M., *Duarte, A., *Bentley, B., *Benzon, A., *Holman, K. (2023, April 14). *Feasibility of game-enhanced fraction curriculum to enhance conceptual understanding and engagement of diverse students* [Roundtable] American Education Research Association Annual Meeting, Chicago, IL, United States.

Marino, M. T., Hunt, J., Taub, M. & *Holman, K. (2022, April). *Dream2B*. Universal Design for Learning Implementation and Research Network. Annual Summit. Virtual.

**Marino, M. T., ***Wilder, T., *Patterson, M. S., *Grace, B., *Grays, A., *Holman, K., & *Rujimora, J. (2022, April). *Mapping the future: Teacher preparation across the United States.* Universal Design for Learning Implementation and Research Network. Annual Summit. Virtual.

Marino, M. T., Vasquez, E., & *Coy, K. (2016, November). *An analysis of Universal Design for Learning during online instruction.* Australian Association of Research in Education. Melborne, AU.

Marino, M. T., Vasquez, E., & Basham, J. D. (2016, November). *Teen Career Pathway. A science, technology, engineering, and mathematics (STEM) career video game pilot study.* Australian Association of Research in Education. Melborne, AU.

Marino, M. T., & Vasquez E. (2016, November). *Teaching teachers to promote college and career readiness in science, technology, engineering, and mathematics (STEM): The iCAN project.* Australian Association of Research in Education. Melbourne, AU.

*Coy, K., **Marino, M. T**., & *Serianni, B. (2013, October). *Universal Design for Learning in the virtual school landscape.* International Association for K-12 Online Learning (iNACOL) Blended and Online Learning Symposium annual conference. Orlando, FL.

Basham, J. D., Dunn, A., **Marino, M. T.,** Rose, D., H., Yoo, D., & Zabala, J. (2013, June). *Innovation and Universal Design for Learning*. International Society for Technology in Education Annual Convention. San Antonio, TX.

Marino, M. T. (2008, July). *Washington State University Technology Resource Database: Identifying effective technology designs for students with dyslexia.* ED-MEDIA World Conference on Educational Multimedia, Hypermedia, and Telecommunications. Vienna, Austria.

Marino, M. T. (2007, March). *Technology-based curricula: Implications for adolescent students with reading difficulties.* Society for Information Technology & Teacher Education: 18th International Conference. San Antonio, TX.

Marlowe, B., & **Marino, M. T.** (2003, June). *The tyranny of progressive public schooling: Shaking up the dominant class*. UNESCO: Teaching and Learning for Intercultural Understanding, Human Rights and a Culture of Peace. Jyvaskyla, Finland.

National

Basham, J. D., **Marino, M. T.,** Fulchini Scruggs, A., & Vasquez, E. (2025, March). *Empowering minds: How AI revolutionizes inclusive education for all learners.* Council for Exceptional Children annual convention, Baltimore, MD.

Marino, M. T., & *Holman, K. (2024, March). *Impacting Engagement, Fraction Concepts, and STEM Interest with Serious Games.* Council for Exceptional Children annual convention, San Antonio, TX.

Basham, J. D., Brennan, K., **Marino, M. T**., & Vasquez, E. (2024, March). *Artificial Intelligence, Workforce, and Considerations in Special Education.* Council for Exceptional Children annual meeting. San Antonio, TX.

Basham, J. D., **Marino, M. T.,** & Vasquez. E. (2024, March). *Using Artificial Intelligence to Enhance Personnel Preparation.* Council for Exceptional Children annual meeting. San Antonio, TX.

Basham, J. D., Vasquez. E., **Marino, M. T.,** & Smith, S. (2024, March). *Townhall: Collaborative Conversation on Artificial Intelligence in Special Education***.** Council for Exceptional Children annual meeting. San Antonio, TX.

Marino, M. T. & *Grays, A. (2023, March). *Get to know the CIDDL Center.* Council for Exceptional Children annual meeting. Louisville, KY.

Fulchini, A., **Marino, M. T.,** & *Parsons, C. (2023, March). *Learning about and connecting with the CIDDL Center*. Universal Design for Learning Implementation & Research Network annual meeting. Orlando, FL.

Marino, M. T., Hunt, J., H., & Taub, M. (2022, April). *An analysis of Universal Design for Learning guidelines, principles, and checkpoints in a contemporary mathematics videogame.* American Education Research Association annual meeting. San Diego, CA.

Marino, M. T. & *Parsons, C. (2022, January). *Technology trends and needs for preparing special educators and related service personnel: The CIDDL Center*. Council for Exceptional Children Annual Convention. Orlando, FL.

Hunt, J. H., Taub, M., **Marino, M. T.,** *Duarte, A., *Anderson, K. & *Brewer, J. (2021, October). *Universal Design of a Tier 2 Fraction Video Game*. 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA 43). Philadelphia, PA.

Hunt, J. H., Taub, M., & **Marino, M. T**. (2021, June). *Fraction assessment activities for conceptual teaching / Model Mathematics Education (ModelME).* Poster presented at National Science Foundation. Community for Advancing Discovery Research in Education PI Meeting. Washington, D.C.

Taub, M., **Marino, M. T**., & Hunt, J. (2021, March). *Gameplay analytics indicate students' access and advancement: Design of Mathematics Education.* Council for Exceptional Children annual convention. Virtual.

Marino, M. T. & Vasquez, E. (2020, April). *Coaching as a means to enhance executive function for postsecondary STEM majors.* American Educational Research Association (AERA) annual conference. San Francisco, CA. Conference Cancelled.

Marino, M. T. & Vasquez, E. (2020, April). *A five year PLS-SEM study of postsecondary STEM majors.* American Educational Research Association (AERA) Annual conference. San Francisco. CA. Conference Cancelled.

Roy, K. & **Marino, M. T.** (2020, March). *Developing fun and safe STEM labs for students with high incidence disabilities.* National Science Teacher Association annual conference. Boston, MA. Conference Cancelled.

Marino, M. T., Vasquez, E., Gaiser, J., & Wright, C. (2019, June). *Universal Design for Learning (UDL): Gaming and Simulation Innovations.* Serious Play Conference. Orlando, FL.

Marino, M. T., Vasquez, E., & Banergee, M. (2019, May). *iCAN: Enhancing executive function in STEM majors*. Postsecondary Disability Training Institute. Boston, MA.

Marino, M. T. & Vasquez, E. (2019, March). *Changing students' lives with personalized executive function mentoring.* 2019 UDL IRN Summit. Orlando, FL.

Marino, M. T., Vasquez, E., & Basham, J. D. (2017, April). *Preparing special educators to promote college and career readiness in STEM: The iCAN project.* Proceedings from the American Education Research Association Annual Meeting. San Antonio, TX.

Marino, M. T., Basham, J. D., & Vasquez, E. (2017, April). *Teen Career Pathway: An analysis of a career preparation video game for middle school students with and without disabilities.* Proceedings from the American Education Research Association Annual Meeting. San Antonio, TX.

Berkeley, S., **Marino, M. T.,** Vasquez, E., Whitehead, A., & Annetta, L. (2017, April). *Lessons from a decade of video game research for students with disabilities in science education*. Symposium presentation at the Annual Meeting of the National Association for Research in Science Teaching (NARST). San Antonio, TX.

Marino, M. T., Vasquez, E., & Banerjee, M. (2016, June). ***I****nterdisciplinary* ***C****oaching* ***A****s a* ***N****exus for transforming how institutions support undergraduates in STEM (iCAN).* Postsecondary Disability Training Institute. Philadelphia, PA.

Marino, M. T., Basham, J. D., Vasquez, E., & Israel, M. (2016, April). *Gaming and Learners with Disabilities.* Council for Exceptional Children Annual Convention, St. Louis, MO.

*Coy, C. & **Marino, M. T**. (2016, April). *Applying UDL in digital learning environments.* Council for Exceptional Children Annual Convention, St. Louis, MO.

Marino, M. T., Vasquez, E., & *Donehower, C. (2016, March). *iCAN: An exploratory study of UDL principles for college students with and without disabilities.* Universal Design for Learning Implementation Research Network annual convention. Towson University, MD.

Israel, M., **Marino, M. T.**, & Basham, J. D. (2014, April). *Teaching science with video games: Implications for engaging students with disabilities.* Council for Exceptional Children Annual Convention, Philadelphia, PA.

Israel, M., Wang, S., **Marino, M. T**., & Basham, J. D. (2014, April). *A multilevel analysis of diverse learners playing science video games: Interactions between gaming features, learning disability status, reading proficiency, and gender.* Paper presented at the American Educational Research Association 14th Annual Meeting. Philadelphia, PA.

Basham, J. D., **Marino, M. T**., Lowery, A., Gardner, J., & *Coy, K. (2014, March). *Overcoming barriers to UDL implementation. Universal Design for Learning Implementation Research Network annual convention*. John's Hopkins University, MD.

Vasquez, E. & **Marino, M. T.** (2014, March). Project Autism Spectrum Disorders. Paper Presented at the *American Council on Rural Special Education Conference*, Tempe, AZ.

Marino, M. T., *Beecher, C. C., *Delisio, L., & *Becht, K. (2013, April). *Increasing students' STEM performance using video games.* Council for Exceptional Children Annual Convention, San Antonio, TX.

*Coy, K. A., Smith, S., **Marino, M. T.,** & Basham, J. (2013, April). *Online instruction with Universal Design for Learning in the K-8 virtual classroom.* Council for Exceptional Children Annual Convention, San Antonio, TX.

Gardner, J., Basham, J., *Coy, K. A., Israel, M., **Marino, M. T**., & Smith, S. (2013, April) *Universal Design for Learning: Operation, measurement, and fidelity of implementation issues.* Council for Exceptional Children Annual Convention, San Antonio, TX.

Israel, M., & **Marino M. T**. (2012, November). *Resources for understanding STEM in special education.* Council for Exceptional Children Teacher Education Division Annual Conference. Grand Rapids, MI.

Basham, J. D., Israel, M., & **Marino M. T.** (2012, April). *Cool tools to engage students in STEM education*. Council for Exceptional Children Annual Convention. Denver, CO.

Marino, M. T., *Beecher, C. C., & *Coy, K. (2012, April). *Teaching with video games: Engaging ALL students in STEM education.* Council for Exceptional Children Annual Convention. Denver, CO.

Marino, M. T., White, D., Norton, D., Quinn, B., & Basham (2011, June). *Designing middle school science games for students who struggle with reading.* Games+Learning+Society. Seventh Annual Conference. Madison, WI.

Marino, M. T., Basham, J. D., & White, D. (2011, March). *Using video games to help students with learning disabilities and other at-risk students succeed in secondary science classes*. National Science Teachers Association National Conference on Science Education. San Francisco, CA.

Marino, M. T., & Black, A. (2010, May). *Factors associated with struggling readers' achievement in a technology-based astronomy curriculum.* Paper presented at the American Educational Research Association Annual Meeting. Denver, CO.

Marino, M. T., & Basham. J. D. (2010, April). *Using technology to enhance science, technology, engineering, and mathematics (STEM) learning.* Council for Exceptional Children Annual Convention. Nashville, TN.

Marino, M. T., & *Antony, P. (2008, April). *The effect of altered readability levels in a technology-based middle school science curriculum*. Council for Exceptional Children Annual Convention. Boston, MA.

Marino, M. T. (2005, April). *Implementing electronic portfolios as an accountability measure in pre-service special education programs*. 28th Annual Teacher Education Division of the Council for Exceptional Children Convention. Portland, ME.

Marino, M. T. (2005, April). *Technology: Improving access to the general education curriculum.* Council for Exceptional Children Convention. Baltimore, MD.

Regional

Marino, M. T., & *Parsons, C. (2019, December). *Infusing Universal Design for Learning in Video Games.* UDL-IRN & Toni Jennings Exceptional Education Institute Regional Conference.

Marino, M. T., Vasquez, E., Hines, R., & *Holbrook, J. (2016, April). *Technology innovations at the University of Central Florida*. Workshop for Florida Technology Leadership Consortium.

*Coy, K., **Marino, M. T.,** & *Serianni, B. (2014, February). *Universal Design for Learning in K-12 virtual schools.* Florida Education Technology Conference. Orlando, FL.

Marino, M. T. (2010, March). *Enhancing middle school science performance with universally designed video games.* Washington Association of School Administrators Annual Conference. Yakima, WA.

Marino, M. T. (2008, January). *Effective technologies that support inclusive science instruction.* Florida Education Technology Conference (FETC). Orlando, FL.

Marino, M. T. & Roy, K. (2007, April). *Using technology to promote science literacy for students who struggle with reading.* National Science Teachers Association National Conference on Science Education. St. Louis, MO.

Marino, M. T. (2007, February). *Supporting students with reading difficulties using technology.* 25th Annual Inter-Disciplinary Educational Alternate Strategies (IDEAS) Conference. Spokane, WA.

Marino, M. T., Roy, K., & Nichols, S. (2005, November). *Students with learning disabilities and science: Technology lights the learning fire.* National Science Teachers Association Eastern Area Convention. Hartford, CT.

Student Mentoring & Leadership

Post-Doctoral Fellowship

Dr. Yacine Tazi (2025 – present) with funding from the U.S. Department of Education.
Dr. Benjamin Gallegos (2016-2017) with NSF funded project iCAN

Doctoral Dissertation Committee Chair

Brewer, J. (2024). Predicting post-school outcomes of transition aged students with high-incidence disabilities. University of Central Florida.

Holman, K. (2024). Mathbot in Motion: Evaluating the Efficacy of an AI-Powered Tool for Enhancing Fraction Comprehension and Situational Interest in Elementary Mathematics. University of Central Florida.

Wilder, T. (2023). Preparing college students with ADHD for online job interviews: Self-regulation and psychophysiology. Ph.D. Dissertation, College of Community Innovation and Education. University of Central Florida.

Anderson, K. (2022). Executive function coaching: Support for postsecondary student success. Ph.D. Dissertation, College of Community Innovation and Education. University of Central Florida.

Fisher, K. (2016). *The relationship between extracurricular STEM activities and performance on the Florida Science Assessment.* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Coy, K. (2012). *Online instruction with Universal Design for Learning in the synchronous K-12 Classroom.* Ph.D. Dissertation. Department of Teaching and Learning. Washington State University.

Honors in the Major Committee Chair

Parsons, C. (2017). *Metacognitive coaching as a means to enhance college and career success for students with executive function disorders.* College of Education and Human Performance, University of Central Florida.

Doctoral Dissertation Committee Member

Molinares, J. (2025). Exploring the role of geofencing, geolocation, and audio descriptions in enhancing mobility and inclusion for individuals with blindness and visual impairments in museums and indoor spaces. University of Central Florida.

Moore, E. M. (2023). An exploration of the digital technology skills important in the workforce and the digital technology preparation of individuals with intellectual disabilities in inclusive postsecondary education programs. Dissertation, University of Central Florida.

Kohnke, S. E. (2023). *The effects of extended reality on the science achievement gap between students and with and without disabilities.* Dissertation, University of Central Florida.

Algethami, S. (2023). The effect of using a technology-based self-monitoring intervention on on-task behavior for students with behavior issues in an inclusive classroom. Dissertation, University of Central Florida.

Tucker, J. (2023). *Assessing the inclusive impact on general education teachers a Go-Baby Go curriculum implementation in middle school after school programs.* Dissertation, University of Central Florida.

Greer, M. (2022). *Identifying the impacts of elementary teacher math anxiety on mathematical instruction: An exploratory study.* Dissertation, University of Central Florida.

Schreffler, J. (2019). *Examining sexual education and sexual assault of females with intellectual disabilities.* Dissertation, University of Central Florida.

Ezekiel-Wilder, F. (2018). *The relationship of physical engagement and learning in an early childhood setting.* Dissertation, University of Central Florida.

Fulchini, A. (2018). *New teacher mindfulness and the impact on student on-task behavior and achievement.* Dissertation, University of Central Florida.

Mrstik, S. (2017). *Investigating inclusive practices for junior secondary students with learning disabilities in Gaborone, Botswana,* Dissertation, University of Central Florida.

Donehower, C. (2017). *The effect of an interactive robot on the social skills of early childhood learners*. Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Gallegos, B., (2016). *The role of virtual avatars in supporting middle school students from culturally and linguistically diverse backgrounds on science in after school programs*. Ph.D. Dissertation, Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Koch, A. (2016). *Project iCAN: An analysis of Landmark College Model of Supports.* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Bukaty, C. A. (2015). *Effects of mixed-reality peer interactions on workplace problem-solving of young adults with intellectual disabilities* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Delisio, L. A. (2015). *Effects of the KNWS graphic organizer and video self-modeling through voice thread on the mathematical word problem solving of students with disabilities.* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Hardin, S. E. (2014). *Predictors of school engagement for females with emotional and behavioral disabilities.* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Hughes, D. E. (2014). *The design and evaluation of a video game to help train perspective-taking and empathy in autism spectrum disorder children.* Ph.D. Dissertation, College of Sciences, Department of Modeling and Simulation. University of Central Florida.

Serianni, B. (2014). *An analysis of online instruction practices for students with disabilities in K-12 settings.* Ph.D. Dissertation, College of Education and Human Performance, Department of Child, Family, and Community Sciences. University of Central Florida.

Ehrli, H., F. (2014). *Examining the perspectives of college students with learning disabilities on their secondary education experience as it relates to serving students with learning disabilities and preparing them for graduation.* Ed.D. Dissertation, College of Education, Department of Child, Family, and Community Sciences. University of Central Florida,

Hayes, A. T. (2013). *Effects of social presence on learning outcomes in virtual learning environments.* Ph.D. Dissertation, College of Sciences, Department of Modeling and Simulation. University of Central Florida.

Beecher, C. C. (2011). *A latent growth curve analysis of reading achievement for an at-risk population.* Ph.D. Dissertation. Department of Teaching and Learning. Washington State University.

Antony, P J. (2009). *How do social, cultural, and educational attitudes affect opportunities and daily experiences of people with disabilities in Kerla-India*. Department of Teaching and Learning. Washington State University.

External Committee Member

Hunt, C. (2020). *Does Universal Design for Learning exist in the Wild*? Ph. D. Dissertation, Department of Special Education. University of Kansas.

Carter, R. A. (2017). *Understanding blended learning for students with and without disabilities.* Ph. D. Dissertation, Department of Special Education. University of Kansas.

Alsalem M. A. (2015). *Considering and supporting the implementation of Universal Design for Learning among teachers of student who are deaf and hard of hearing in Saudi Arabia*. Ph. D. Dissertation, Department of Special Education. University of Kansas.

UCF Advising

- Coordinator Ed.D. & Ph.D. in Exceptional Student Education (2024 – Present)
- Advising for over 200 M.A. & M.Ed. Students in Exceptional Student Education

National Service

- CIDDL Center Technical Alliance Lead advisor for Maine, Idaho, and Washington State preservice special education teacher curriculum development and technology integration (2023 – Present)
- Co-Chair UDL Committee on level 1 District Certification Design (2017 - 2018).
- UDL Council (2016 – 2018). Sponsored by CAST, UDL Implementation and Research Network, & the National Universal Design for Learning Taskforce.
- UDL Implementation & Research Network, Senior Advisor to the Board of Directors (2014 - 2017).

State Service

Florida

- School Advisory Council: Edgewood STEM Choice School (2021 – present)
- School Advisory Council: Lewis Carroll Elementary (2018 – 2021)
- Chair: Central Florida STEM Education Council Advisory Committee (2013 – 2014)
- Central Florida STEM Education Council Advisory Committee (2012 – 2013)

University of Central Florida

- Ph.D. Coordinator for Exceptional Education (2025 – present)
- Ed.D. Coordinator for Exceptional Education (2023 – present)
- Promotion and Tenure Guidelines Committee Chair (2024)
- Exceptional Student Education Committee (2013 – present)
- Toni Jennings Exceptional Education Institute Leadership Committee (2019 – present)
- Inclusive Education Services Leadership Committee Chair (2022 – present)
- School of Teacher Education, Director: Search Committee Chair (2022-2023)
- School of Teacher Education, Tenure and Promotion Committee Chair (2022)
- College Strategic Planning and Implementation Committee (2022 – present)
- College Tenure and Promotion Committee Chair (2021-2022)
- College Tenure and Promotion Committee (2021 – present)
- Interim Director, Toni Jennings Exceptional Education Institute (2021 – 2022)
- School of Teacher Education, Exceptional Education Faculty Search Committee Chair (2021 – 2022)
- School of Teacher Education, Graduate Curriculum Committee Chair (2019-2020)
- Ph.D. Leadership Team (2018 – present)
- Faculty Senate IT Committee (2017 – 2018)
- Toni Jennings Exceptional Education Institute Leadership Team (2017 – present)
- College Research Committee (2017-2018)
- Faculty Senate Undergraduate Common Program Oversight Committee (2017-2018)
- Faculty Senate Research Council (2013 – 2018)
- College Faculty Council (2014 – 2016)
- Coordinator - Exceptional Education M.A. & M.Ed. Graduate Programs including state of Florida and NCATE accreditation (2013 – 2015)
- College Annual Faculty Evaluation Standards and Procedures Committee (2013 – 2014)

- College Research Incentive Award Selection Committee Chair - (2012 – 2013)

Washington State

Office of the Superintendent of Public Instruction

- WEST-E Special Education Certification Assessment (2009)
- Special Education Endorsement Standards (2006 – 2009)
- Elementary Education Endorsement Standards (2006 – 2008)

Washington State University Committees

- Graduate Studies (2010 – 2012)
- Center for Education, Research, and Outreach (2008 – 2009)

College of Education Committees

- Graduate Studies (2010 – 2012)
- Grant Proposal Review (2010 – 2012)
- Futures (2009)
- Chair - Electronic Portfolio Assessment and Accreditation (2007)

Department of Teaching and Learning Committees

- Special Education (2006 – 2012)
- Elementary Education (2006 – 2012)
- Secondary Education (2007 – 2012)

Professional Associations

- Universal Design for Learning Implementation and Research Network (2014 – 2024)
- Council for Exceptional Children (2004 – present)
- American Education Research Association (2004 – present)
- International Society for Technology in Education (2004 – present)
- Association for the Advancement of Computing in Education (2007 – 2012)
- National Science Teachers Association (2005 – 2010)

National Review Service

- National Science Foundation - Technical Reviewer (2008 - present)
- External Tenure and Promotion Reviewer (2015 – Present)
- Journal of Special Education Technology – Editorial Board (2009 – present)
- Journal of Science Education and Technology –Editorial Board (2017 – present)
- Journal of Autism and Developmental Disorders – Review Board (2024 – present)
- FOCUS – Review Board (2015 – present)
- Journal of Research in Science Teaching –Review Board (2009 – present)
- Exceptionality Education International – Review Board (2014 – present)
- Teaching Exceptional Children - Review Board (2012 – present).
- Remedial & Special Education – Review Board (2012 – present)
- Institute of Education Sciences (IES) Technical Reviewer (2016 – 2019)
- Science Activities – Review Board (2017)
- Journal of Postsecondary Education and Disability - Editorial Board (2011 – 2013)
- NASSP Bulletin – Review Board (2010 – 2012)