

W. Monty Jones, Ph.D.

Date of Preparation: October 2025

Virginia Commonwealth University:
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Richmond, Virginia 23284
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EDUCATION

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| 2014 | Ph.D., Instructional Technology, University of Virginia
Dissertation: Supporting science teacher learning of technology through new models and tools. |
| 2008 | M.Ed., Curriculum and Instruction, Virginia Commonwealth University |
| 1991 | B.B.A., Computer Information Systems, James Madison University |

ACADEMIC AND PROFESSIONAL POSITIONS

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| 2021 - present | Associate Professor, Instructional Technology
Department of Teaching and Learning, School of Education
Virginia Commonwealth University, Richmond, VA |
| 2015 - 2021 | Assistant Professor, Instructional Technology
Department of Teaching and Learning, School of Education
Virginia Commonwealth University, Richmond, VA |

SCHOLARSHIP

* indicates student author

Refereed Journal Articles (29)

Greene, M., & Jones, M. (2025). Teaching with Technology: A Quantitative Analysis of the Impact of Contextual Factors. CALICO Journal, 42(2).
<https://doi.org/10.3138/calico-2024-0010>

- Schad, M.*, Greene, M., & Jones, M. (2025). Maker-Centered Learning in STEM: A Case Study of a Chemistry Teacher's Lived Experience. *International Journal of Instruction*, 18(2), 85-102.
- Jones, M., Hansen, K., Krug, D., Schad, M., Whittington, N., & Liu, X. (2024). Digital music composition: The effects of computer coding musical compositions on adult learners' attitudes toward computer science. *Computer Science Education*, 1 - 33. <https://doi.org/10.1080/08993408.2024.2429059>
- Caratachea, M.X*, & Jones, W.M. (2024). Making in virtual environments: A case study of K12 teachers' perceptions on the educational affordances of virtual reality for maker-centered learning. *Educational Technology Research and Development*, 72, 155-180. doi.org/10.1007/s11423-023-10290-5.
- Greene, M.D, Sheng-Lun, C., & Jones, W.M. (2023). The impact of an online technology course on preservice teachers' technological knowledge: Strategies and design. *International Journal of Professional Development, Learners and Learning*, 5(2). doi.org/10.30935/ijpdll/13772
- Caratachea, M.X.*, Greene, M.D*, & Jones, W.M. (2023). Maker-Centered Professional Learning for Inservice and Preservice K-12 Educators: A Systematic Literature Review. *TechTrends*, 67 (4), 648-663. doi.org/10.1007/s11528-023-00865-7.
- Greene, M.*, Sheng-Lun, C., & Jones, M. (2023). Preservice teachers' technology integration knowledge development in an online technology-based course. *International Journal of Instruction*, 16 (4), 385-404.
- Greene, M.*, Schad, M.*, & Jones, W. (2022). Technological Pedagogical Content Knowledge and Context in the English Language Subject Area: Implications for Research and Practice. *Journal of Interactive Learning Research*, 33 (2), 83-96.
- Jones, W.M. (2021). Teachers' perceptions of a maker-centered professional development experience: A multiple case study. *International Journal of Technology and Design Education* 31 (4), 697-721 . doi.org/10.1007/s10798-020-09581-2.
- Jackson, B.*, Jones, W.M., Schad, M.* & Strand, D. (2021). Assessing K-12 Online Teachers' Knowledge of Online Student Identities. *Journal of Online Learning Research*, 7(1), 35-56.
- Schad, M.L.*, Greene, M.D*. & Jones, M. (2021). A Review of Theory, Theoretical and Conceptual Frameworks in Educational Technology. *International Journal on E-Learning*, 20(2), 187-198.
- Jones, W.M., Caratachea, M.*, Schad, M.L.*, & Cohen, J.D. (2021). Examining K-12 teacher learning in a makerspace through the activity-identity-community framework.

Journal of Research on Technology in Education, 53 (3).
doi.org/10.1080/15391523.2020.1774824.

Greene, M. D.*, & Jones, W. M. (2020). Analyzing Contextual levels and Applications of Technological Pedagogical Content Knowledge (TPACK) in English as a Second Language Subject Area: A Systematic Literature Review. *Educational Technology & Society*, 23 (4), 75–88.

Greene, M.D.*, & Jones, W. (2020). Implications of Technological Instructional Practices for English as a Second Language Vocabulary Learning. *International Journal on E-Learning*, 19(3), 209- 228.

Greene, M.D.*, & Jones, W. (2020). Towards a critical conceptual framework for technology integration in professional development for English language teachers. *Journal of Educational Media and Hypermedia*, 29(2), 113-132.

Schad, M.* & Jones, W.M. (2020) The Maker Movement and Education: A Systematic Review of the Literature. *Journal of Research on Technology in Education*, 52(1), 65-78
doi.org/10.1080/15391523.2019.1688739.

Jones, W.M., Cohen, J.D., Schad, M.*, Caratachea, M.*, & Smith, S. (2020). Maker-centered teacher professional development: Examining K-12 teachers' learning experiences in a commercial makerspace. *Techtrends*, 64(1), 37-49.
doi.org/10.1007/s11528-019-00425-y.

Jackson, B.* & Jones, W.M. (2019). Where the Rubber Meets the Road: Exploring the Perceptions of Inservice Teachers in a Virtual Field Experience. *Journal of Research on Technology in Education* 51 (1), 7-26. doi.org/10.1080/15391523.2018.1530622.

Jones, W.M., Hope, S.* & Adams, B.* (2018). Teachers perceptions of digital badges as recognition of professional development. *British Journal of Educational Technology*. 49 (3), 427-438. doi:10.1111/bjet.12557.

Debbagh, M.* & Jones, W.M. (2018). Examining English Language Teachers' TPACK in Oral Communication Skills Teaching. *Journal of Educational Multimedia and Hypermedia*, 27(1), 43-62. Waynesville, NC USA: Association for the Advancement of Computing in Education (AACE).

Cohen, J.D., Jones, W.M., & Smith, S. (2018). Preservice and Early Career Teachers' Preconceptions and Misconceptions About Making in Education. *Journal of Digital Learning in Teacher Education*, 34 (1), 31-42.
doi.org/10.1080/21532974.2017.1387832

Jones, M. & Dexter, S. (2018). Teacher Perspectives on Technology Integration Professional Development: Formal, Informal, and Independent Learning Activities. *Journal of*

Educational Multimedia and Hypermedia, 27(1), 83-102. Waynesville, NC USA: Association for the Advancement of Computing in Education (AACE).

Cohen, J.D., Huprich, J., Jones, W.M. & Smith, S. (2017). Educators' perceptions of a maker-based learning experience. *The International Journal of Information and Learning Technology*, 34 (5), 428-438. doi.org/10.1108/IJILT-06-2017-0050

Jones, W.M., Smith, S. & Cohen, J. (2017). Preservice teachers' beliefs about using maker activities in formal K-12 educational settings: A multi-institutional study. *Journal of Research on Technology in Education*, 49(3-4), 134-148. doi:10.1080/15391523.2017.1318097

Cohen, J. D., Jones, W.M., Smith, S. & Calandra, B. (2017). Makification: Towards a framework for leveraging the maker movement in formal education. *Journal of Educational Multimedia and Hypermedia*, 26(3), 217-229. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Moore-Adams, B.*, Jones, W.M., Cohen, J. (2016). Learning to teach online: a systematic review of the literature on K-12 teacher preparation for teaching online. *Distance Education*, 37(3), 333-348. doi: 10.1080/01587919.2016.1232158

Jones, M. & Dexter, S. (2016). Conceptualizing school-based teacher learning from teachers' points of view: Holistically leveraging formal, informal, and independent learning activities. *Journal of Educational Multimedia and Hypermedia*, 25(3), 251-268. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Jones, W.M. & Dexter, S. (2014). How teachers learn: The roles of formal, informal, and independent learning. *Educational Technology Research & Development*, 62(3), 367-384. doi:10.1007/s11423-014-9337-6

Searson, M., Jones, W. M., Wold, K. (2011). Editorial: Reimagining schools: The potential of virtual education. *British Journal of Educational Technology*, 42(3), 363-371.

Book Chapters (2)

Dexter, S., Anderson Morgan, M. & Jones, W.M. (2016). Trends in types of and goals for technology usage as teachers increase their technology integration. In L. Liu & D. Gibson (Eds.). *Research Highlights in Technology and Teacher Education* (pp. 61-68). Society for Information Technology & Teacher Education.

Jones, W.M. & Moore-Adams, B.* (2016). Introduction to Distance Education. In L. Scott & C. Thoma (Eds.), *Universal Design for Distance Education: A Framework for Delivering Online Courses* (pp. 5-18). Maine: XanEdu.

Proceedings (14)

- Krug, D.L., D.L., Mouza, C., Jones, W.M., Barnett, T., Shepherd, D.C. (2023). Attracting Adults to Computer Programming via Hip Hop. In *Proceedings of the 54th ACM Technical Symposium on Computer Science Education V. 1* (SIGCSE 2023), March 15–18, 2023, Toronto, ON, Canada. ACM, New York, NY, USA. <https://doi.org/10.1145/3545945.3569800>
- Watts, J., Gibson, R., Jones, M., Bull, G. & Nguyen, N.R. (2022). Creating Music through Coding. In E. Langran (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (p. 102). San Diego, CA, United States: Association for the Advancement of Computing in Education (AACE).
<https://www.learntechlib.org/primary/p/220714/>.
- Jackson, B. & Jones, W.M. (2020). Exploring Bourdieu's Field Theory in Terms of K12 Online Learning: A Review of Literature. In G.H. Marks & D. Schmidt-Crawford (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 685-692). Online: Association for the Advancement of Computing in Education (AACE).
- Greene, M.* & Jones, W. (2019). Implications of Technological Instructional Practices for English as a Second Language Vocabulary Learning. In S. Carliner (Ed.), *Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 237-248). New Orleans, Louisiana, United States: Association for the Advancement of Computing in Education (AACE).
- Schad, M.L.* & Jones, M. (2019). Makerspace Professional Development: A Self-determination Theory Analysis. In K. Graziano (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 197-204). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Cohen, J., Margulieux, L. E., Renken, M., Smith, S., & Jones, W. M. (2018). Maker Mindset: Measuring the Effect of Making. In Kay, J. and Luckin, R. (Eds.) *Rethinking Learning in the Digital Age: Making the Learning Science Count, 13th International Conference of the Learning Sciences (ICLS) Volume 3* (pp. 1505-1506). London, UK: International Society of the Learning Sciences.
- Debbagh, M.* & Jones, W.M. (2017). The Use of Facebook for Teaching Oral Communication Skills to English as a Second Language Students. In J. Johnston (Ed.), *Proceedings of EdMedia 2017* (pp. 752-761). Washington, DC: Association for the Advancement of Computing in Education (AACE).
- Jackson, B.* & Jones, W.M. (2017). Blogging and Microblogging for Community Building in a Virtual Field Experience. In P. Resta & S. Smith (Eds.), *Proceedings of Society for*

- Information Technology & Teacher Education International Conference 2017* (pp. 649-655). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Smith, S., Cohen, J. & Jones, M. (2017). Digital Fabrication in Education: A Critical Look at Authentic Integration. In P. Resta & S. Smith (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2017* (pp. 112-113). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Cohen, J., Jones, W.M., Smith, S. & Calandra, B. (2016). Makification: Towards a Framework for Leveraging the Maker Movement in Formal Education. In *Proceedings of Society for Information Technology & Teacher Education International Conference 2016* (pp. 116-122). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Hope, S.* & Jones, W.M. (2016). Developing a Digital Badge Platform for a Teacher Training Program. In *Proceedings of Society for Information Technology & Teacher Education International Conference 2016* (pp. 881-886). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Debbagh, M.* & Jones, W.M. (2015). Using the TPACK Framework to Examine Technology Integration in English Language Teaching. In *Proceedings of Society for Technology & Teacher Education International Conference 2015* (pp. 2745-2750). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Moore-Adams, B.L.* & Jones, W.M. (2015). Lessons Learned from the Development of an Online Teaching Certificate Program for K-12 Teachers. In *Proceedings of Society for Technology & Teacher Education International Conference 2015* (pp. 1329-1336). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Wold, K. & Jones, M. (2011). A Call to Action for Teacher Education in K-12 Virtual Education. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 3468-3472). Chesapeake, VA: AACE.

AWARDS AND HONORS

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| 2023 | Instructional Technology SIG 52, Best Paper Award, Immersive Virtual Reality as a Tool to Make in K-12 Environments. American Educational Research Association |
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2022	Outstanding Demonstration Award, Tunescope - Creating interactive music through coding. Society for Information Technology and Teacher Education 2022 Conference. Association for the Advancement of Computing in Education
2020	Charles P. Ruch Award for Excellence in Teaching, School of Education, Virginia Commonwealth University
2020	Presentation to Publication Pipeline Award, School of Education, Virginia Commonwealth University
2019	Fellowship, School of Education Research Fellows Program, School of Education, Virginia Commonwealth University
2019	McLeod Faculty Development Award, School of Education, Virginia Commonwealth University
2018	Presentation to Publication Pipeline Award, School of Education, Virginia Commonwealth University
2017	Outstanding Paper Award, Teacher perspectives on technology integration professional development: Formal, informal, and independent learning activities. EdMedia 2017 World Conference on Educational Media & Technology, Association for the Advancement of Computing in Education
2017	Exemplary Applications of Technology in the Classroom Award, School of Education, Virginia Commonwealth University
2016	Presentation to Publication Pipeline Award, School of Education, Virginia Commonwealth University
2010 - 2011	Fellowship, Center for Technology and Teacher Education, University of Virginia
2010	Outstanding Curriculum Award, The National Association of Gifted Children
2006	Outstanding Performance Award, Hopewell Public Schools
2004	Outstanding Performance Award, Hopewell Public Schools

GRANTS (\$196, 769 funded)

- 2025 *Teacher Professional Development for Holistically Integrating Computer Science and Computational Thinking Learning Activities in Rural Virginia Middle Schools.* Virginia Department of Education. FY26 Advancing Computer Science Education (ACSE) Grant. \$75,000 competitive grant, consultant. Funded.
- 2024 *The Rural Missing Millions STEM Initiative: A Learning Ecosystems Approach.* Virginia Commonwealth University, School of Education. Get Centered Grant. \$5,000 competitive grant, co-investigator, Funded.
- 2022 *Career Pathways for Minority Under-Represented Adult Learners in Computing (CAREPATH-MURAL).* Virginia Commonwealth University. VCU Accelerate Fund Award. \$100,00 competitive grant, researcher. Funded
- 2020 *Utilizing maker-centered learning technologies and strategies to address engineering practices with elementary and middle school students.* National Science Foundation. DRL - Discovery Research K-12. \$1,031,870 competitive grant, PI. Not funded.
- 2017 *Touching the Past: Enhancing Accessibility for Richmond's Visually Impaired Community and Others to Virginia's Heritage through 3-D Printing.* A proposal to the VCU Council for Community Engagement. \$16,769 competitive grant, co-PI. Funded

PROFESSIONAL PRESENTATIONS (58)

Invited International (1)

Lucena, S., Junior, G., Amanta, L., Paulo, B.S., Jones, W.M. (2022, May 19) *Formative Experiences with Computational Thinking.* Round Table discussion conducted at II Seminar on Internationalization of the Graduate Program in Education. Virtual Conference. Federal University of Sergipe. Brazil. Virtual Conference.

Refereed National and International (43)

Levault, R., Jones, M., Hansen, K., Liu, X., & Greene, M.D. (2025, April 23 - 27). *Teaching Computer Programming Through Digital Music Composition: Effects on College Students' Dispositions Toward Computer Science.* Paper presented at the annual meeting of the American Educational Research Association. Denver, CO.

Jones, M., Hansen, K., Krug, D., Schad, M., Whittington, N., & Liu, X. (2024, April 11-14). *Musical Coding: The Effects of Programming Musical Compositions on Adult Learner's*

Dispositions Toward Computer Science. Poster presented at the annual meeting of the American Educational Research Association. Philadelphia, PA.

Caratachea, M., & Jones, M. (2023, April 13 - 17). *Immersive Virtual Reality as a Tool to Make in K-12 Environments*. Paper presented at the annual meeting of the American Educational Research Association. Chicago, IL. (Winner of the 2023 AERA SIG IT Best Paper Award)

Greene, M., & Jones, M. (2023, April 13 - 17). *An Analysis of Contextual Factors and Technology Integration Knowledge of English Language Teachers*. Poster presented at the annual meeting of the American Educational Research Association. Chicago, IL.

Jones, M., & Schad, M., (2023, April 13 - 17). *Computational Music Composition: K12 Teacher Professional Development For Using Music Composition To Introduce Computer Coding*. Roundtable paper presented at the annual meeting of the American Educational Research Association. Chicago, IL.

Jones, W.M., Gibson, R., Bull, G., & Watts, J. (2022, August 4). *MIDI Vibraphone Performance - Lightning Talk* (Virtual presentation). Snap!Con, UC Berkeley, CA.

Greene, M., Cheng, S., & Jones, M. (2022, April 21 - 26) *A Multilevel Analysis of Preservice Teachers' Technology Integration Knowledge Development in a Technology-Based Course* [Paper presentation]. Annual meeting of the American Educational Research Association, San Diego, CA. (Nominated for the 2022 AERA SIG IT Best Paper Award)

Watts, J., Gibson, R., Jones, M., Bull, G., & Nguyen, R. (2022, April 11- 15). *Creating Music through Coding*. Workshop conducted at the Annual Society for Information Technology and Teacher Education International Conference. San Diego, CA.

Bull, G., Jones, M., Watts, J., Gibson, R., & Nguyen, R. (2022, April 11- 15). *Introducing Coding in the Context of Music*. Paper presented at the Annual Society for Information Technology and Teacher Education International Conference. San Diego, CA.

Jones, M., Bull, G., & Nguyen, R. (2022, April 11- 15). *TuneScope - Creating Interactive Music through Coding*. Poster demonstration presented at the Annual Society for Information Technology and Teacher Education International Conference. San Diego, CA. (Winner of Outstanding Demonstration Award)

Trumble, J., Cullen, T., Lux, N., Caratachea, M., & Jones, M. (2021, March 30 - April 2). *Virtual reality & extended reality: Possibilities, problems, and priorities for teacher educators*. Panel discussion conducted at the Annual Society for Information Technology and Teacher Education International Conference. Virtual conference

Tillman, D.A., Henriksen, D., Mishra, P., Hunter-Doniger, T., Slykhuis, D., Alexander, C., & Jones, W.M. (2021, March 30 - April 2). *Creative Classrooms 2021 & Beyond: The*

Future for Field-testing Best Practices. Panel discussion conducted at the Annual Society for Information Technology and Teacher Education International Conference. Virtual Conference

Jones, W. M., Caratachea, M., & Schad, M. (2020, April 17-21) *Authentic maker experiences as teacher professional development* [Paper presentation]. Annual meeting of the American Educational Research Association, San Francisco, CA.
<http://tinyurl.com/rahfl17> (Conference canceled)

Caratachea, M. & Jones, W. M. (2020, April 17-21). *Constructionism in maker-centered learning: A systematic literature review* [Poster presentation]. Annual meeting of the American Educational Research Association, San Francisco, CA.
<http://tinyurl.com/r7yo4tq> (Conference canceled)

Tillman, D., Mishra, P., Henriksen, D., Slykhuis, D., Smith, S., Jones, W.M., Cohen, J., Alexander, C., Asing-Cashman, J. & An, S. (2020, April 7-10). *Creative Classrooms 2020 & Beyond: The Future for Field-testing Best Practices*. Panel discussion conducted at the Annual Society for Information Technology and Teacher Education International Conference. New Orleans, Louisiana, United States.
<http://www.learntechlib.org/pv/215878/>

Tillman, D., Mishra, P., Henriksen, D., Slykhuis, D., Smith, S., Jones, W.M., Cohen, J., Alexander, C., Asing-Cashman, J. & An, S. (2020, April 7-10). *Creating Creative Classrooms 2020: Field-tested Best Practices*. Panel discussion conducted at the Annual Society for Information Technology and Teacher Education International Conference. New Orleans, Louisiana, United States. <http://www.learntechlib.org/pv/215877/>

Jackson, B. & Jones, W.M. (2020, April 7-10). *Exploring Bourdieu's Field Theory in Terms of K12 Online Learning: A Review of Literature*. Paper presented at the Annual Society for Information Technology and Teacher Education International Conference. New Orleans, Louisiana, United States. <http://www.learntechlib.org/pv/215813/>

Greene, M. & Jones, W. (2019). *Implications of Technological Instructional Practices for English as a Second Language Vocabulary Learning*. Paper presented at E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. New Orleans, Louisiana, United States.

Jones, W. M. (2019). *Authentic maker experiences for both teachers and students from an all-girls high school*. In Y. Jin (Chair), Multiple perspectives on maker education and makerspaces in teacher education. Panel discussion conducted at the Annual Society for Information Technology and Teacher Education (SITE) Conference, Las Vegas, NV.

- Schad, M.L. & Jones, M. (2019). *Makerspace Professional Development: A Self-determination Theory Analysis*. Paper presentation at the Society for Information Technology & Teacher Education International Conference, Las Vegas, NV.
- Cohen, J., Margulieux, L. E., Renken, M., Smith, S., & Jones, W. M. (2018). *Maker Mindset: Measuring the Effect of Making*. Paper presented at 13th International Conference of the Learning Sciences (ICLS). London, UK.
- Jackson, B. & Jones, M. (2018, April). *Perceptions of In-Service Teachers in a Virtual Field Experience for Online Teaching*. Poster presented at the annual meeting of the American Educational Research Association, New York, NY.
- Jones, M., Schad, M., Caratachea, M., Cohen, C. & Smith, S. (2018, April). *Maker-Based Teacher Professional Development: Examining K-12 Teachers' Learning Experiences in a Makerspace*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Trumble, J., Smith, S., Jones, M. & Cohen, J. (2018, March). *Maker Pedagogy for Teacher Education: Developing Connections from Theory to Practice*. Panel presentation at the Society for Information Technology & Teacher Education International Conference, Alexandria, VA.
- Debbagh, M. & Jones, W.M. (2017, June). *The Use of Facebook for Teaching Oral Communication Skills to English as a Second Language Students*. Paper presented at EdMedia: World Conference on Educational Media and Technology 2017, Alexandria, VA.
- Debbagh, M. & Jones, W.M. (2017, June). *Examining English Language Teachers' TPACK in Oral Communication Skills Teaching*. Paper presented at EdMedia: World Conference on Educational Media and Technology 2017, Alexandria, VA.
- Jones, M. & Dexter, S. (2017, June). *Teacher Perspectives on Technology Integration Professional Development: Formal, Informal, and Independent Learning Activities*. Paper presented at EdMedia: World Conference on Educational Media and Technology 2017, Alexandria, VA. (Winner of Outstanding Paper Award)
- Jones, M., Hope, S. & Adams, B. (2017, April) *Teacher Perceptions and Uses of Digital Badges Awarded as Recognition of Professional Development*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Jones, M., Smith, S. & Cohen, C. (2017, April) *Preservice Teachers' Perceptions of Using Maker Activities in Formal Educational Settings*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.

- Moore-Adams, B. & Jones, M. (2017, March). *Blogging and Microblogging for Community Building in a Virtual Field Experience*. Paper presentation at the Society for Information Technology & Teacher Education International Conference, Austin, TX.
- Smith, S., Cohen, J. & Jones, M. (2017, March). *Digital Fabrication in Education: A Critical Look at Authentic Integration*. Panel presentation at the Society for Information Technology & Teacher Education International Conference, Austin, TX.
- Baker, A., Jones, M., Zumbunn, S., Stringer, J., Ekholm, E., & Walsh, M. (2016, August). *The impact of instructional technologies on self-regulated learning: A systematic review of the literature*. Poster presented at the meeting of the American Psychological Association, Denver, CO.
- Jones, M. & Dexter, S. (2016, June). *Conceptualizing school-based teacher learning from teachers' points of view: Holistically leveraging formal, informal, and independent learning activities*. Paper presented at EdMedia: World Conference on Educational Media and Technology 2016, Vancouver, BC, Canada.
- Cohen, J., Jones, M. & Smith, S. (2016, March). *Establishing STEAM Technology/Maker Labs in Colleges of Education: Challenges, Opportunities, and Lessons Learned*. Panel presentation at the Society for Information Technology & Teacher Education International Conference, Savannah, GA.
- Dexter, S., Anderson Morgan, M., Jones, W.M. & Meyer, J.P. (2016, March). *Trends in Types Of and Goals For Technology Usage As Teachers Increase Their Technology Integration*. Paper presented at the Society for Information Technology & Teacher Education International Conference, Savannah, GA.
- Hope, S. & Jones, W.M. (2016, March). *Developing a Digital Badge Platform for a Teacher Training Program*. Paper presented at the Society for Information Technology & Teacher Education International Conference, Savannah, GA.
- Cohen, J., Jones, W.M., Smith, S. & Calandra, B. (2016, March). *Makification: Towards a Framework for Leveraging the Maker Movement in Formal Education*. Paper presented at the Society for Information Technology & Teacher Education International Conference, Savannah, GA.
- Moore-Adams, B.L. & Jones, W.M. (2015, March). *Lessons Learned from the Development of an Online Teaching Certificate Program for K-12 Teachers*. Paper presented at the Society for Information Technology & Teacher Education International Conference, Las Vegas, NV.
- Debbagh, M. & Jones, W.M. (2015, March). *Using the TPACK Framework to Examine Technology Integration in English Language Teaching*. Paper presented at the Society

for Information Technology & Teacher Education International Conference, Las Vegas, NV.

Jones, M. & Dexter, S. (2014, April) *The Modes, Tools and Activities Science Teachers Use For Their Professional Learning of Technology Integration*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

Uguz, C., Jones, M. & Dexter, S. (2013, April) *Supporting Math and Science Teachers' Technology Integration Using Proof of Concept Online Professional Development Software*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Jones, M. & Dexter, S. (2012, April) *Supporting teacher learning for technology integration: a holistic view*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.

Jones, M., & Reiter, J. (2011, June) *Designing for a children's engineering community of practice*. Poster presented at the International Society for Technology in Education Conference, Philadelphia, PA.

Wold, K., & Jones, M. (2011, March) *A call to action for teacher education in K-12 virtual education*. Roundtable presented at the Society for Information Technology and Teacher Education Conference, Nashville, TN.

Refereed Regional and Local (7)

Jones, M. (2015, March) *K-12 technology integration using the TPACK framework*. Presentation at the EdTech Conference, Richmond, VA.

Uguz, C. & Jones, M. (2012, December) *Holistic Teacher Learning: Combining Personal Learning Networks, Communities of Practice and Online Professional Development in a Virtual Environment*. Presentation at the Virginia Society for Technology in Education Conference, Virginia Beach, VA.

Jones, M., & Morris, C. (2007, February) *Integrating podcasting into your curriculum*. Presentation at the EdTech Conference, Ashland, VA.

Jones, M. (2006, March) *Blogging to improve student writing*. Presentation at the Virginia Middle School Association Conference, Norfolk, VA.

Jones, M. (2006, March) *Blogging to improve student writing*. Presentation at the Virginia Society for Technology in Education Conference, Roanoke, VA.

Jones, M. (2006, February) *Blogging to improve student writing*. Presentation at the EdTech Conference, Ashland, VA.

Jones, M. (2004, February) *Using handheld technology in education*. Presentation at the EdTech Conference, Ashland, VA.

Invited Regional and Local (6)

Jones, M. (2017, August) *Teacher Professional Development through Makerspaces*. Presentation at Saint Gertrude High School Professional Development, Richmond, VA.

Jones, M. (2017, May) *Teacher Professional Development through Makerspaces*. Presentation at Hanover County Public Schools Professional Development, Richmond, VA.

Jones, M. (2016, April) *Makification: Incorporating Elements of the Maker Movement Into Formal Educational Settings*. Presentation at the Teaching Literacy in a Digital World Conference, Richmond, VA.

Jones, M. (2014, June) *Formal, Informal and Independent Teacher Learning*. Presentation at the Innovation in High Priority Schools: Maximizing Student Learning Outcomes Conference, Richmond, VA.

Bull, G., Yoder, E., & Jones, M. (2011, February) *Digital Fabrication*. Keynote presentation for the EdTech Conference, Ashland, VA.

Bull, G., Yoder, E., & Jones, M. (2011, January) *Digital Fabrication*. Presentation at the Longwood University STEM Learning Summit, Farmville, VA.

Discussant (1)

Jones, M. (2023, April). *Immersive Technology and Learning*. Discussant for the session at the annual meeting of the American Educational Research Association, Chicago, IL.

TEACHING

University Teaching

Instructor, Creating Digital Art and Music Through Computer Coding. (Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025), Virginia Commonwealth University, Richmond, VA.

Instructor, Instructional Technology in K-12 Environments (Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Summer, 2023), Virginia Commonwealth University, Richmond, VA.

Instructor, Integrating the Arts in Curriculum for Young Children (Fall 2017, Spring 2018, Fall 2018), Virginia Commonwealth University, Richmond, VA.

Instructor, Design Challenges for Creating eLearning for Adults (Spring 2017), Virginia Commonwealth University, Richmond, VA.

Instructor, Foundations of Online Teaching (Fall 2016), Virginia Commonwealth University, Richmond, VA.

Instructor, Exploration of Digital Media for Adult Learning (Fall 2016), Virginia Commonwealth University, Richmond, VA.

Instructor, Theory and Practice of eLearning Integration into Adult Learning Environments (Summer 2016, Summer 2018), Virginia Commonwealth University, Richmond, VA.

Instructor, Current Topics in Virtual Teaching (Spring 2016), Virginia Commonwealth University, Richmond, VA.

Instructor, Online Course Facilitation Practicum (Spring 2016), Virginia Commonwealth University, Richmond, VA.

Instructor, Course Development Practicum (Fall 2015), Virginia Commonwealth University, Richmond, VA.

Instructor, Independent Study – Instructional Technology (Fall 2014, Spring 2015, Summer 2017, Fall 2017), Virginia Commonwealth University, Richmond, VA.

Co-Instructor, Topics in Education: Introduction to Technology Integration in the Elementary Classroom (Fall 2013), Virginia Commonwealth University, Richmond, VA.

Co-Instructor, Topics in Education: Introduction to Technology Integration in the Humanities (Summer 2013), Virginia Commonwealth University, Richmond, VA.

Co-Instructor, Topics in Education: Introduction to Technology Integration in STEM Disciplines (Summer 2012, Fall 2012, Spring 2015), Virginia Commonwealth University, Richmond, VA.

Student Doctoral Committees – Chair

Matt Caratachea, Curriculum, Culture and Change Ph.D. Track. Interests: Immersive Virtual Reality as a Tool to make in K-12 Environments, Virginia Commonwealth University. October, 2021.

Moe Greene, Curriculum, Culture and Change Ph.D. Track. Interests: A Quantitative Analysis of the Relationship between Dispositions and Technological Knowledge of English Language Teachers, Virginia Commonwealth University. May, 2021.

Michael Lee Schad, Culture and Change Ph.D. Track. Interests: A teacher's adoption of maker-centered learning: A phenomenological case study, Virginia Commonwealth University. December, 2019.

Brianne Jackson. Curriculum, Culture and Change Ph.D. Track. Interests: Assessing K12 online teachers' knowledge of online student identities and characteristics, Virginia Commonwealth University. May, 2018.

Student Doctoral Committees – Member

Lara Underhill Mabry, Doctor of Philosophy, Department of Clinical Laboratory Sciences. Interests: The development and assessment of a gamification simulation app in the medical laboratory sciences curriculum to teach critical thinking skills, Virginia Commonwealth University.

Julia Huprich. Doctor of Philosophy, Learning Sciences Department. Interests: Competencies for customer education professionals in software-as-a-service organizations: A multi-phase analysis, Georgia State University. May, 2020.

Megan Becker & Alison Jones, Doctor of Education, Educational Leadership. Interests: An exploration of technology knowledge and skills necessary for student success in higher education and beyond, Virginia Commonwealth University, May 2018

Laura Park Gogia. Educational Research and Evaluation Ph.D. Track. Interests: Assessing student connectivity in the connected learning spaces of higher education, Virginia Commonwealth University. February, 2016.

SERVICE TO PROFESSION

International and National

2025	Reviewer <i>Journal of Technology and Teacher Education</i>
2025	Reviewer <i>Computer Science Education</i>
2023	Grant Reviewer National Science Foundation

2021 - present	Editorial Board <i>Journal of Research on Technology in Education</i>
2020	Grant Reviewer Swiss National Science Foundation
2018 - present	Reviewer <i>Tech Trends</i>
2018 - present	Reviewer <i>Computers and Education</i>
2018 - 2020	Co-Chair, Maker SIG Society for Information Technology & Teacher Education
2017 - present	Reviewer <i>Education and Information Technologies</i>
2016 - present	Reviewer <i>Canadian Journal of Learning and Technology</i>
2015 – present	Reviewer <i>Teaching and Teacher Education</i>
2014 - present	Reviewer <i>Journal of Teacher Education</i>
2012	Member, leadership team International Society for Technology in Education (ISTE), Special Interest Group Online Learning (SIGOL).
2012	Chair of presentation <i>Investigations of wikis for collaboration and knowledge building</i> , American Educational Research Association annual meeting, Vancouver, BC, Canada.
2012	Chair of presentation <i>Considering the role of audio and video tools to enhance learning</i> , American Educational Research Association annual meeting, Vancouver, BC, Canada.
2010	Facilitator of meeting Virtual Education Strand, National Technology Leadership Summit, Washington D.C.

Regional

2011 – 2019	Member Greater Richmond Area Technology Council
2016	Member Virginia Department of Education Virtual Learning Workgroup

University

2025	Committee Member Peer Review Committee School of Education Virginia Commonwealth University
2025	Ad-hoc Reviewer Candidacy Exam Papers, Masters in Art Education VCU School of the Arts
2024	Search Committee Dean, VCU School of Education
2024	Search Committee Department Chair, Department of Teaching and Learning, School of Education
2024	Arnold Fellowship Committee VCU School of Education
2022 - 2023	Co-President VCU School of Education Faculty Organization
2022	Search Committee Chair Research Term Faculty, STEM Education
2021	Search Committee Director, Center for Teacher Leadership
2020 – present	Program Director Engineering Education concentration, B.S.Ed. in Secondary Education and Teaching, School of Education, Virginia Commonwealth University
2019	Search Committee Adjunct Instructor, School of Education, Virginia Commonwealth University

2019	Search Committee University Supervisor, School of Education, Virginia Commonwealth University
2019	Search Committee Ruth Harris Endowed Professorship, School of Education, Virginia Commonwealth University
2017	Committee Member Promotion and Tenure Committee, Bernard Means Virginia Commonwealth University
2017 - 2020	Faculty Senator Faculty Senate, Virginia Commonwealth University
2017	Search Committee Creative lead and Web Manager, School of Education, Virginia Commonwealth University
2017	Grant Reviewer VCU Faculty Affordable Course Content Awards VCU Center for Teaching and Learning Excellence
2016	Search Committee IT support personnel, School of Education, Virginia Commonwealth University
2016 – 2017	Member School of Education Online Task Force, School of Education, Virginia Commonwealth University
2016 – 2021	Member Adult Learning Program Group Committee, Department of Teaching and Learning, School of Education, Virginia Commonwealth University
2015 – 2021	Program Director Online Teaching Track, M.Ed. in Curriculum and Instruction, School of Education, Virginia Commonwealth University
2015 – 2018	Chair School of Education Technology Committee

2014 – 2020	Member School of Education Communications Network, Virginia Commonwealth University
2014	Search Committee Web Communications Manager, School of Education, Virginia Commonwealth University
2014 – 2021	Program Creator and Director Post-Baccalaureate Graduate Certificate in Online Teaching School of Education, Virginia Commonwealth University
2014	Search Committee Curriculum Specialist, VISTA, School of Education, Virginia Commonwealth University
2013	Search Committee Associate Director of Online Learning, Virginia Commonwealth University
2012 – 2020	Member STEM Program Group Committee, Department of Teaching and Learning, School of Education, Virginia Commonwealth University
2011 – 2021	Program Director Instructional Technology Track, M.Ed. in Curriculum and Instruction, School of Education, Virginia Commonwealth University
2011 – 2021	Program Director Post-Baccalaureate Graduate Certificate in Instructional Technology, School of Education, Virginia Commonwealth University
2011	Member Online Advisory Committee, Virginia Commonwealth University
2011 – 2014	Member Technical Advisory Committee, Virginia Commonwealth University
2011	Member Technology Advisory Committee, Curry School of Education, University of Virginia
2010 – 2011	Member CLIC Advisory Committee, Curry School of Education, University of Virginia

PROFESSIONAL ASSOCIATIONS

2018 - present	Society for Information Technology & Teacher Education (SITE)
2012 – present	American Education Research Association (AERA)
2010 – 2020	International Society for Technology in Education (ISTE)
2010 – present	Association for the Advancement of Computing in Education (AACE)
2006 – 2020	Virginia Society for Technology in Education (VSTE)