

# OLUSOLA O. ADESOPE, Ph.D.

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## Curriculum Vitae

### 1. RESEARCH INTERESTS

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- Engineering education research
- Research designs and methods
- Methods for advancing evidence-based practices (e.g., meta-analyses, systematic reviews, etc.)
- Concept maps for knowledge representation
- Multimedia learning
- STEM teaching and learning
- Learning analytics

### 2. EDUCATION

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Ph.D.	Simon Fraser University, Burnaby, Canada <i>Specialization:</i> Educational Psychology <i>Title of Dissertation:</i> The Cognitive Effects of Verbal Redundancy and Animated Concept Maps on Learning.
M.Sc.	Simon Fraser University, Surrey, Canada <i>Specialization:</i> Educational Technology <i>Title of Thesis:</i> Dynamic Concept Maps as Knowledge Representation Tools for Learning
P.G.D.)	Ladoke Akintola University-Nigeria <i>Specialization:</i> Computer Technology
H.N.D. Summa Cum Laude	Yaba College of Technology-Nigeria <i>Specialization:</i> Computer Science

### 3. PROFESSIONAL EDUCATION / CERTIFICATION

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Professional Designation	Institution/Organization	Year Awarded
Advanced meta-analysis	American Educational	2017

Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets.	Research Association Stanford University	2011
University Teaching & Learning (2 semesters)	Simon Fraser University	2009
Instructional Skills Workshop (27 hours)	Simon Fraser University	2009
Survey Sampling & Questionnaire Design (16 hrs)	Statistics Canada	2008
Cisco Certified Network Professional (5 weeks)	Cisco Learning Networks	1999
Cisco Certified Network Associate (5 weeks)	Cisco Learning Networks	1999
Microsoft Certified Systems Engineer (5 weeks)	Microsoft Corporations	1999
Microsoft Certified Systems Professional+I (5 wks)	Microsoft Corporations	1999
Microsoft Certified Systems Professional (5 wks)	Microsoft Corporations	1999

#### 4. ACADEMIC AND ADMINISTRATIVE POSITIONS

7/2021-date	Associate Dean for Research & External Funding, College of Education, Washington State University, Pullman, WA.
8/2019-date	<i>Professor of Educational Psychology &amp; Assistant Chair</i> , Department of Kinesiology and Educational Psychology, Washington State University, Pullman, WA.
Spring 2018	<i>Visiting Scholar at four universities in Europe</i> – (1) University of Edinburgh, Scotland; (2) University College of London's Institute of Education; (3) The Open University, Milton Keynes, United Kingdom; and (4) Erasmus University, Rotterdam, Netherlands.
4/2017-date	<i>Boeing Distinguished Professor of STEM Education</i> , Washington State University, Pullman, WA.
6/2017-date	<i>Courtesy Graduate Faculty, Engineering Education</i> , Oregon State University, Corvallis, OR.
2016 - 2017	<i>Technical Working Group Member, Evidence for ESSA</i> , John Hopkins University, Baltimore, MD.
8/2015-date	<i>Associate Professor &amp; Director of Multimedia in Education: Research with Instructional Techniques (MERIT) Lab</i> , Department of Educational Leadership, Sport Studies, Educational/Counseling Psychology, Washington State University, Pullman, WA.
8/2015-date	<i>Assistant Director, Human-centered Environments for Learning and Programming (HELP) Lab</i> , School of Electrical Engineering and Computer Science, Washington State University, Pullman, WA.
8/2015-2017	<i>Coordinator of Educational Psychology Program</i> , Department of Educational Leadership, Sport Studies, Educational/Counseling Psychology, Washington State University, Pullman, WA.

- 8/2010-/2015 *Assistant Professor of Educational Psychology*, Department of Educational Leadership, Sport Studies, Educational/Counseling Psychology, Washington State University, Pullman, WA.
- 2005-2010 *Course Supervisor/Sessional Instructor/Teaching Assistant/Tutor Marker*, Simon Fraser University, Burnaby, B.C., Canada
- 2003-2010 *Research Assistant, Learning Kit & Argue to Learn Projects*, Simon Fraser University, Burnaby, B.C., Canada
- 2007-3/2010 *Research Reviewer*, Canadian Council on Learning, Vancouver, B.C., Canada
- 2003-2005 *Research Colloquium Coordinator*, Simon Fraser University, Surrey, B.C., Canada
- 2001-2003 *Assistant Director and Technology Coordinator*, National African Language Resource Center, University of Wisconsin-Madison, USA
- 1998-2001 *Network Administrator*, Chevron Nigeria Limited & NCR, Lagos, Nigeria.
- 1997-1998 *Head of Department*, Software Engineering, Chips, Bits & Bytes Limited, Lagos, Nigeria

## 5. SCHOLARLY AND PROFESSIONAL ACHIEVEMENTS

+ (next to a name) indicates a graduate or undergraduate student with whom I collaborated on the publication

### a) Refereed Journal Articles (Published and In Press – 5,461 Citations)

- 70 Sunday, O. J., **Adesope, O. O.**, & Maarhuis, P. L. (in press). The Effects of Smartphone Addiction on Learning: A Meta-Analysis. *Computers in Human Behavior Reports*.
- 69 Van Orman, D., Wong, R. M., Carbonneau, K., & **Adesope, O. O.** (accepted). Effects of Concept Maps and Worked Examples in Learning Procedural and Conceptual Skills in Mathematics. *School Science and Mathematics*.
- 68 Kaiphanliam, K. M.+, Nazempour, A.+, Golter, B.+, VanWie, B. J. & **Adesope, O. O.** (2021). Efficiently assessing hands-on learning in fluid mechanics at varied Bloom's taxonomy levels. *International Journal of Engineering Education*, 37(3), 1-16.
- 67 Hundhausen, C., Conrad, P., Carter, A., & **Adesope, O. O.** (accepted). Assessing Individual Contributions to Software Engineering Projects: A Replication Study. *Computer Science Education*.
- 66 Castro-Alonso, J. C., Wong, R. M., **Adesope, O. O.**, & Paas, F. (in press). Effectiveness of multimedia pedagogical agents predicted by diverse theories: A meta-analysis. *Educational Psychology Review*.
- 65 Wong, R. M.+, & **Adesope, O. O.** (in press). Meta-Analysis of Emotional Designs in Multimedia Learning: A Replication and Extension Study. *Educational Psychology Review*. Advance online publication. <https://doi.org/10.1007/s10648-020-09545-x>
- 64 Sundararajan, K.+, & **Adesope, O. O.** (2020). Keep it coherent: A meta-analysis of the seductive details effect. *Educational Psychology Review*, 32, 707 – 734.

- 63 Wang, Z.+, **Adesope, O. O.**, Sundararajan, N.+, & Buckley, P. (In Press). Effects of different forms of concept maps on Chemistry learning. *Educational Psychology: An International Journal*.
- 62 Wong, R. M.+, & **Adesope, O. O.** (In Press). Computer-based learning of mathematics from worked-examples and self-explanations to improve learning performance. *Journal of STEM Education*.
- 61 Hu, Y.+, Wong, R. M., **Adesope, O. O.**, & Taylor, M. (2020). Effects of an intelligent tutoring system that teaches senior how to install a smart home system. *Computer & Education*.
- 60 Wong, R. M.+, Sundararajan, K.+, **Adesope, O. O.**, & Nishida, K. (In Press). Static and interactive concept maps for chemistry learning. *Educational Psychology*. Advance online publication. <https://doi.org/10.1080/01443410.2020.1761299>
- 59 Alpizar, D.+, **Adesope, O. O.**, Wong, R. M.+ (in press). A meta-analysis of signaling principle in multimedia learning environments. *Educational Technology Research & Development*.
- 58 Reilly, K.+, **Adesope, O. O.** & Erdman, P. (2020). The effects of dogs on learning: A meta-analysis. *Anthrozoös*.
- 57 Barlow, A. J.+, Lutz, B. D., Pitterson, N. P., Hunsu, N., **Adesope, O. O.**, & Brown, S. A. (in press). Development of the Student Course Cognitive Engagement Instrument ( SCCEI ) for College Engineering Courses. *International Journal of STEM Education*.
- 56 Fakhoury, S.+, Roy, D., Ma, Y., Arnaoudova, V., & **Adesope, O. O.** (2020). Measuring the impact of inconsistencies on developers' cognitive load during bug localization. *Empirical Software Engineering*.
- 55 Collins, L.+, Ferry, N.+, Cavagnetto, A., **Adesope, O. O.**, Baldwin, K., Morrison, J., & Premo, J. (2019). May I have your attention: An analysis of teacher responses during a multi-year professional learning program. *Journal of Science Teacher Education*, 30, 549-566.
- 54 Torres, J. T.+, **Adesope, O. O.**, & Strong, Z. (2019). Reflection through assessment: A systematic narrative review of teacher feedback and student identity. *Studies in Educational Evaluation*, 64.
- 53 Simmons, D., Ye, Y., Hunsu, N.+, & **Adesope, O. O.** (2019). Measuring engineering student engagement: Exploring the reliability and validity of the Postsecondary Student Engagement (PosSE) Survey. *International Journal of Engineering Education*, 35, 1- 12.
- 52 Castro-Alonso, J. C., Wong, M., **Adesope, O. O.**, Ayres, P., & Paas, F. (2019). Gender imbalance in instructional dynamic versus static visualizations: A meta-analysis. *Educational Psychology Review*, 31, 361-387.
- 51 Wong, R. M.+, **Adesope, O. O.**, & Carbonneau, K. J. (2019). Process- and product-oriented worked examples and self-explanations to improve learning performance. *Journal of STEM Education: Innovations and Research*, 20(2), 24-31.
- 50 Zhou, M., **Adesope, O. O.**, Winne, P. H., & Nesbit, J.C. (2019). Relations of multivariate goal profiles to motivation, epistemic beliefs and achievement. *Journal of Pacific Rim Psychology*, 31, 1-9.
- 49 Schroeder, N.+, Nesbit, J. C., Anguiano, C.+, & **Adesope, O. O.** (2018). Studying and constructing concept maps: A meta-analysis. *Educational Psychology Review*, 30, 431 - 455.

- 48 Ardasheva, Y., Wang, Z.+, Roo, A.+, & **Adesope, O.O** (2018). Representation visuals' impacts on science interest and reading comprehension of adolescent English learners. *Journal of Educational Research*, 111, 631-643.
- 47 Sundararajan, N.+ , **Adesope, O. O.**, & Cavagnetto, A. (2018). The process and effects of collaborative concept mapping in kindergarten on critical thinking skills. *Journal of STEM Education*, 19, 1-9.
- 46 **Adesope, O. O.**, Trevisan, D.+, & Sundararajan, N.+ (2017). Rethinking the use of tests: A meta-analysis of practice testing. *Review of Educational Research*, 87, 659-701.
- 45 **Adesope, O. O.**, Cavagnetto, A., Anguiano, C.+, Hunsu, N.+, & Lloyd, J.+ (2017). The comparative effects of computer-based concept maps, refutational texts and expository texts on science learning. *Journal of Educational Computing Research*, 55, 46 – 69.
- 44 Carter, A. S., Hundhausen, C. D., & **Adesope, O. O.** (2017). Blending measures of programming and social behavior into predictive models of student achievement in early computing courses. *ACM Transactions in Computing Education*, 17, 3, Article 12.
- 43 Hunsu, N+., **Adesope, O. O.**, & vanWie, B. J. (2017). Engendering situational interest in a hands-on learning classroom: What really matters? *Instructional Science*, 45, 789-804.
- 42 Simmons, D., Ye, Y.+, Hunsu, N.+, & **Adesope, O. O.** (2017). Development of a survey to explore out-of-class engagement of engineering students. *International Journal of Engineering Education*, 33, 1213-1221.
- 41 Wang, Z., & **Adesope, O.O.** (2017). Do focused self-explanation prompts overcome seductive details? A multimedia study. *Journal of Educational Technology & Society*, 20, 47-57.
- 40 Austin, B.+, French, B. F., **Adesope, O. O.**, & Gotch, C. (2017). The use of standard deviations as predictors in models using large-scale international datasets. *Journal of Experimental Education*, 85, 559-573.
- 39 Ardasheva, Y., Wang, Z.+, **Adesope, O. O.**, & Valentine, J. C. (2017). Exploring effectiveness and moderators of language learning strategy instruction on second language learning and self-regulation outcomes. *Review of Educational Research*, 87, 544-582.
- 38 Wang, Z.+, Sundararajan, N.+, **Adesope, O. O.**, & Ardasheva, Y. (2017). Moderating the seductive details effect in multimedia learning with note-taking. *British Journal of Educational Technology*, 48, 1380 - 1389.
- 37 Srivastava, A., Hahn, A., **Adesope, O. O.**, Hauser, C. H., & Bakken, D. E.(2017). Experience with a multi-disciplinary, team-taught smart grid cyber infrastructure course. *IEEE Transactions on Power Systems*, 32, 2267-2275.
- 36 Buchanan, A.+, McCubbin, L., & **Adesope, O. O.** (2016). Exploratory factor analysis of the trauma and attachment belief scale among partners of service members. *Traumatology*, 22, 214-221.
- 35 Burgher, J. K., Finkel, D. M., VanWie, B. J. & **Adesope, O. O.** (2016). Implementing interactive physical models in a fluid mechanics classroom. *International Journal of Engineering Education*, 32, 2501-2516.

- 34 Abdul, B., **Adesope, O. O.**, VanWie, B. J., & Thiessen, D. (2016). Comparing the effects of two active learning approaches in an engineering education classroom. *International Journal of Engineering Education*, 32, 1-16.
- 33 Wang, Z+., & **Adesope, O. O.** (2016). Exploring the effects of seductive details with the 4-phase model of interest. *Learning and Motivation*, 55, 65-77.
- 32 Chen, P+., & **Adesope, O. O.** (2016). The effects of need satisfaction on EFL online learner satisfaction. *Distance Education*, 37, 89-106.
- 31 Hunsu, N+., & **Adesope, O. O.**, & Bayly, D. J.+ (2016). A meta-analysis of the effects of audience response systems (clicker-based technologies) on cognition and affect. *Computers & Education*, 94, 102-119.
- 30 Zhang, P+., Wang, Z+., & **Adesope, O. O.** (2016). The effects of goal type, learning interest, and task difficulty on achievement: An interactive study. *International Journal of Learning, Teaching, and Educational Research*, 15, 32-46.
- 29 Wang, Z., & **Adesope, O. O.** (2016). Does prior knowledge moderate the seductive details effect? A 2 by 3 study varying the placement of seductive details. *International Journal of Instruction*, 9, 35-50.
- 28 **Adesope, O. O.**, Zhou, M., & Nesbit, J. C. (2015). Achievement goal orientations and self-reported study strategies as predictors of online studying activities. *Journal of Educational Computing Research*, 53, 436 – 458.
- 27 Hunsu, N+., Abdul, B., Vanwie, B.J., **Adesope, O. O.**, & Brown, G.R. (2015). Exploring students' perceptions of an innovative active learning paradigm in a fluid mechanics and heat transfer course. *International Journal of Engineering Education*, 31(5), 1-14.
- 26 Burgher, J., Finkel, D., **Adesope, O. O.**, & Van Wie, B. J. (2015). Implementation of a modular hands-on learning pedagogy: Student attitudes in a fluid mechanics and heat transfer course. *Journal of STEM Education*, 16(4), 40-50.
- 25 Kovanovic, V+., Gašević, D., Joksimovic, S+., Hatala, M. & **Adesope, O. O.** (2015). Analytics of communities of inquiry: Effects of learning technology use on cognitive presence in asynchronous online discussions. *The Internet and Higher Education*, 27, 74-89.
- 24 Schroeder, N. L+., & **Adesope, O. O.** (2015). Impacts of pedagogical agent gender in an accessible learning environment. *Educational Technology & Society*, 18(4), 401-411.
- 23 Montfort, D., Herman, G., Matusovich, H., Brown, S., Streveler, R., & **Adesope, O. O.** (2015). Trans-disciplinary patterns in student conceptual understanding of engineering. *International Journal of Engineering Education*, 31(6), 1587-1604.
- 22 Gašević, D., **Adesope, O. O.**, Joksimovic, S.+ & Kovanovic, V.+ (2015). Externally-facilitated regulation scaffolding and role assignment to develop cognitive presence in asynchronous online discussions. *The Internet and Higher Education*, 24, 53-65.
- 21 Barouch-Gilbert, R+., **Adesope, O. O.**, & Schroeder, N. L.+ (2014). Efficacy beliefs, job satisfaction, stress and their influences on retention of English-medium content teachers in the Dominican

Republic. *Educational Psychology: An International Journal of Experimental Educational Psychology*, 34, 876-899.

- 20 Ma, W.+, **Adesope, O. O.**, Nesbit, J. C., & Liu, Q.+ (2014). Intelligent tutoring systems and learning outcomes: A meta-analytic survey. *Journal of Educational Psychology*, 106, 901-918.
- 19 Brown, S., Easley, A.+, Montfort, D., Adam, J., VanWie, B. J., **Adesope, O. O.**, Poor, C., Tobin, C., & Flatt, A. (2014). The effectiveness of a physical model demonstrating open channel flow concepts. *Journal of Professional Issues in Engineering Education and Practice*, 140.
- 18 Joksimovic, S.+, Gašević, D., Kovanic, V.+, **Adesope, O. O.**, & Hatala, M. (2014). Psychological characteristics in cognitive presence of communities of inquiry: A linguistic analysis of online discussions. *The Internet and Higher Education*, 22, 1-10.
- 17 Schroeder, N. L.+, & **Adesope, O. O.** (2014). A systematic review of pedagogical agents' persona, motivation, and cognitive load implications for learners. *Journal of Research on Technology in Education*, 46(3).
- 16 Wang, Z.+, & **Adesope, O. O.** (2014). Effects of seductive details on learning in the Social Sciences. *Journal of Studies in Education*, 4, 32-44.
- 15 Crawford, J. K., Riffe, J., Trevisan, D.+, & **Adesope, O. O.** (2014). Buffering negative impacts of divorce on children: Evaluating impact of divorce education. *Journal of Extension*, 52(4), 1-10.
- 14 **Adesope, O. O.**, & Nesbit, J. C. (2013). Learning with animated and static concept maps. *Learning and Instruction*, 27, 1-10.
- 13 **Adesope, O. O.**, & Trevisan, D. A.+ (2013). The neglected benefits of testing: Implications for classroom and self-directed learning. *The WERA Educational Journal*, 5, 22-26.
- 12 Schroeder, N. L.+, **Adesope, O. O.**, & Barouch Gilbert, R.+ (2013). How effective are pedagogical agents for learning? A meta-analytic review. *Journal of Educational Computing Research*, 49, 1-39.
- 11 Srivastava, S. K., Srivastava, A. K., **Adesope, O. O.**, Minerick, A. R. & Schulz, N. N. (2013). Analyzing self-reported challenges and preferences for enhancing recruitment of women graduate students in engineering and technology. *Journal of Women and Minorities in Science and Engineering*, 19, 185-208.
- 10 Schroeder, N. L.+, & **Adesope, O. O.** (2013). How does a contextually-relevant peer pedagogical agent in a learner-attenuated system-paced learning environment affect cognitive and affective outcomes? *Journal of Teaching and Learning with Technology*, 2, 114-133.
- 9 Oppegaard, B., & **Adesope, O. O.** (2013). Mobilizing the past for the present and the future: Design-based research of a model for interactive, informal history lessons. *Journal of Teaching and Learning with Technology*, 2, 90-113.
- 8 **Adesope, O. O.**, & Nesbit, J. C. (2012). Verbal redundancy in multimedia learning environments: A Meta-Analysis. *Journal of Educational Psychology*, 104, 250-263.
- 7 Panchal, J., **Adesope, O. O.**, & Malak, R. (2012). Designing undergraduate design experiences – A framework based on the expectancy-value theory. *International Journal of Engineering Education*, 28, 871-879.

- 6 Trevisan, M. S., French, B. F., & **Adesope, O. O.** (2012). Including contextual factors in the reporting of school improvement data. *The WERA Educational Journal*, 5, 2-7.
- 5 Schroeder, N. L., & **Adesope, O. O.** (2012). A case for the use of pedagogical agents in online learning environments. *Journal of Teaching and Learning with Technology*, 1, 43-47.
- 4 **Adesope, O. O.**, Lavin, T., Thompson, T., & Ungerleider, C. (2011). Best practices in teaching literacy to ESL immigrant students: A meta-analysis. *British Journal of Educational Psychology*, 81, 629-653.
- 3 Nesbit, J. C., & **Adesope, O. O.** (2011). Learning from animated concept maps with concurrent audio narration. *Journal of Experimental Education*, 79, 209-230.
- 2 **Adesope, O. O.**, Lavin, T., Thompson, T., & Ungerleider, C. (2010). A systematic review and meta-analysis of the cognitive correlates of bilingualism. *Review of Educational Research*, 80, 207-245.
- 1 Nesbit, J. C., & **Adesope, O. O.** (2006). Learning with concept and knowledge maps: A meta-analysis. *Review of Educational Research*, 76, 413-448.

#### *b) Refereed Journal Articles (Under Review)*

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14. **Adesope, O. O.**, Fefer, S., Carey, J., Aluede, O., Trevisan, M. & **Adegoke, A.** (under review). Trauma Informed Education in Nigeria: A Survey of Trauma-Informed Counseling and Education in Nigerian Schools among School Counselors. *International Journal of School & Educational Psychology*.
13. De Lira, C., Wong, R. M., Oje, O., Nketah, G., **Adesope, O. O.**, & Ghods, A. (under review). Summer Programming Camps – Exploring Project-Based Informal CS Education in a Rural Community. *IEEE Transactions on Education*.
12. Simmons, D. R., Chau, A. D., & **Adesope, O. O.** (under review). The role of gender, grades, and affective engagement in the decision to switch majors into engineering. *Journal of Engineering Education*.
11. Jaiyeola, E. O., **Adesope, O. O.**, & Zhang, X. (under review). Factors that motivate women's participation in STEM education in higher education in the United States: A case study of female chemical engineers. *International Journal of Engineering Education*.
- 10 Reynolds, O., Khan, A. I., Thiessen, D., Dutta, P., **Adesope, O. O.**, & VanWie, B. (under review). *Development and Implementation of a Low-Cost Desktop Learning Module for Double Pipe Heat Exchange*. *Chemical Engineering Education*.
9. Riera, J., **Adesope, O. O.**, & **Sunday, O. J.** (under review). The Effects of CAPT on Second Language Pronunciation: A Meta-Analysis. *Language Learning & Technology*.
- 8 **Adesope, O. O.** (under review). Exploring boundary conditions for redundancy effects in multimedia learning: A classroom-based study.
- 7 Sundararajan, N., & **Adesope, O. O.** (under review). Seductive details. How much is too much. *Learning and Individual Differences*.
- 6 Zhang, P., **Adesope, O. O.**, & Wang, Z. (revise and resubmit). Position effects of emotional pictures in multimedia learning.



- 5 Zhu, G., Thompson, C., **Adesope, O. O.**, & Suarez, M. (Revise & Resubmit). Is flipping effective? A meta-analysis of the effect of flipped instruction on K-12 students' academic achievement.
- 4 Ezeh, C., **Adesope, O. O.**, Kehinde, O., & Jaiyeola, E. O. (under review). Effects of flipped instruction in STEM-related subject domains: A meta-analysis.
- 3 Hunsu, N., McCrudden, M. T., **Adesope, O. O.**, & Davis, B. W. (under review). Effects of two refutation text types and prior misconceptions on the use three comprehension strategies. *Journal of Research in Reading*.
- 2 Aina, S., & **Adesope, O. O.** (under review). Videocase-based Learning and Analysis in Teacher Education: A Meta-Analysis.
- 1 Hunsu, N., **Adesope, O. O.**, & Davis, B. W. (under review). A path model analysis of students' preform factors and comprehension strategies on cognitive learning outcomes associated text comprehension.

### *c) Refereed Book Chapters (Published and In Press)*

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- 11 **Adesope, O. O.**, Nesbit, J. C., & Sundararajan, K. (In Press). *The mapping principle in multimedia learning*. In R. E. Mayer & L. Fiorella (Eds.), *The Cambridge Handbook of Multimedia Learning*, 3<sup>rd</sup> Edition. Cambridge University Press.
- 10 Jaiyeola, E. F., & **Adesope, O. O.** (2021). Empowering Women and Girls in STEM Education: Prof. Okebukola's Vital Steps Toward Africa's Development. In S. Akinrinade and A. Olusanya (Eds.), *Okebukola's Contributions*.
- 9 **Adesope, O. O.**, & Rud, A. G. (2018). Maximizing the affordances of contemporary technologies in education: Promise and possibilities. In O. O. Adesope, & A. G. Rud (Eds), *Contemporary Technologies in Education - Maximizing Student Engagement, Motivation, and Learning*. Palgrave Macmillan.
- 8 Hunsu, N., & **Adesope, O. O.** (2017). Nigeria: Understanding its people, languages, and cultures. In J. Egbert and G. Ernst-Slavit (Eds.), *What K-12 teachers need to know (and do) about culture*.
- 7 **Adesope, O. O.** (2015). The contributions of educational technologies to teaching and learning: The case of video games.
- 6 Austin, B., **Adesope, O. O.**, French, B., & Gotch, C. (2015). PISA-TALIS Link: Working Paper. In OECD (Eds.), *TALIS-PISA 2013 Results: An International Perspective*. OECD Publishing.
- 5 **Adesope, O. O.**, Austin, B., French, B., & Gotch, C. (2014). Examining teacher practices and classroom environment. In OECD (Eds.), *TALIS 2013 Results: An International Perspective on Teaching and Learning*. (pp. 149-179). TALIS, OECD Publishing.
- 4 Nesbit, J. C., & **Adesope, O. O.** (2013). Animated and static concept maps. In G. Schraw, M. McCrudden, & D. Robinson (Eds.), *Learning Through Visual Displays*. (pp. 303-328). Greenwich, CT: Information Age.
- 3 Schroeder, N. L., & **Adesope, O. O.** (2013). Do 3D pedagogical agents help students learn science? A systematic review. *Cases 3D Technology: Application and Integration in Education*. (pp. 49-71). Hershey, PA: IGI Global.

- 2 Schroeder, N. L., & **Adesope, O. O.** (2011). Concept maps as tools for learning scientific language. In L. Lennex & K. Nettleton (Eds.), *Cases on inquiry through instructional technology in Math and Science: Systemic Approaches*. (pp. 52-73). Hershey, PA: IGI Global.
- 1 **Adesope, O. O.**, & Nesbit, J. C. (2009). A systematic review of research on collaborative learning with concept maps. In P. L. Torres & R. C. V. Marriott (Eds.), *Handbook of research on collaborative learning using concept mapping* (pp. 238-255). Hershey, PA, USA: IGI Global.

#### *d) Book (Published)*

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- 3 **Adesope, O. O.**, & Rud, A. G. (Eds.) (2018). *Contemporary Technologies in Education - Maximizing Student Engagement, Motivation, and Learning*. Palgrave Macmillan.
- 2 Vanwie B. J., Thiessen, D. B., Daut, R., Burgher, J. K., McMorrow, I., **Adesope, O. O.**, & Golter, P. B. (2015). *DLMX - Investigations in Fluid Dynamics and Heat Transfer: High School Edition*.
- 1 McCracken, J., & **Adesope, O. O.** (Eds.). (2004). *Fusion of Technology and Arts – Research Perspectives*. School of Interactive Arts and Technology, Simon Fraser University, Canada. ISBN number 0-86491-253-6.

#### *e) Journal Articles (In Preparation)*

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*Most of these manuscripts are at advanced stages of writing and will be submitted Fall 2021*

- 10 **Adesope, O. O.** (in preparation). Exploring the instructional benefits of animated concept maps.
- 9 **Adesope, O. O.** (in preparation). Effects of generative drawing in multimedia learning environments: A meta-analysis.
- 8 **Adesope, O. O.**, Carter, A., & Hundhausen, C. (in preparation). Predicting student performance in a social programming environment.
- 7 **Adesope, O. O.**, Wang, Z., Wong, R. M., Sundararajan, N., & Buckley, P. (in preparation). Comparing the effects of co-constructed versus teacher-presented concept maps in a large Chemistry class.
- 6 **Adesope, O. O.**, & Wang, N.+ (in preparation). The effects of prior knowledge on split-attention.
- 5 Ezeh, C., & **Adesope, O. O.** (in preparation). Effectiveness of flipped instruction in STEM Education: A meta-analysis.
- 4 Hundhausen, C. D., Carter, A. C., & **Adesope, O. O.** (in preparation). To what degree does social interaction predict learning outcomes?
- 3 Morrison, J., Baldwin, K., Cavagnetto, A., **Adesope, O. O.**, & Gotch, C. (in preparation). Supporting elementary teachers in the adoption of the new science standards: Professional development involving inquiry and concept mapping.
- 2 Abobaker, R., Salsbury, T., & **Adesope, O. O.** (in preparation). Effects of written scaffolds on different proficiency levels of second language (L2) listening comprehension.

- 1 Anguiano, C., **Adesope, O. O.**, Lester, J. N., & Barrio, B. (in preparation). Effectiveness of the Incredible Years parent, child, and teacher training programs on preschooler's social competence: A meta-analytic review.

#### *f) Published Refereed Conference Proceedings*

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- 57 Hundhausen, C., Conrad, P., Carter, A., **Adesope, O. O.**, & Tariq, A. (accepted). *Evaluating Commit, Issue and Product Quality in Team Software Development Projects*. SIGCSE '21: Proceedings of the 52nd ACM Technical Symposium on Computer Science Education, March 2021, Pages 108–114. DOI: <https://doi.org/10.1145/3408877.3432362>.
- 56 **Adesope, O. O.**, Sunday, O. J., Ewumi, E. R., Minichiello, A., Asghar, M., & Claiborn, C. (accepted). *Investigating Factors that Predict Academic Success in Engineering and Computer Science*. American Society for Engineering Education Conference.
- 55 Ewumi, E. R., **Adesope, O. O.**, Claiborn, C. S., & Minichiello, A. (accepted). *Insights gathered from the National Survey of Student Engagement (NSSE) about Engineering/Computer Science participation in High-impact Educational Practices at two western land-grant institutions*. American Society for Engineering Education Conference.
- 54 Claiborn, C., **Adesope, O. O.**, Minichiello, A., Ewumi, E. R., AsgHar, M., & Sunday, O. J. (accepted). *Effects of High Impact Educational Practices on Engineering and Computer Science Student Participation, Persistence, and Success at Land Grant Universities*. American Society for Engineering Education Conference.
- 53 Asghar, M., Minichiello, A., Claiborn, C., Ewumi, E. R., **Adesope, O. O.**, & Sunday, O. J. (accepted). *A Characterization of Engineering and Computer Science Undergraduate Participation in High Impact Educational Practices at Two Western Land Grant Institutions*. American Society for Engineering Education Conference.
- 52 Oje, O., **Adesope, O. O.**, & Oje, V. A. (accepted). *Work-In-Progress: The Effects of Hands-on Learning on STEM Students' Motivation and Self-Efficacy: A Meta-Analysis*. American Society for Engineering Education Conference.
- 51 Kaiphanliam, K., Oje, O., & **Adesope, O. O.** (accepted). *Work-in-Progress: Modeling the Effect of Hematocrit on Blood Cell Separations Using a Fidget Spinner Hands-On Learning Device and Microbead Blood Simulant*. American Society for Engineering Education Conference.
- 50 Reynolds, O., Kaiphanliam, K., Oje, O., Aminul, I., Gartner, J. & **Adesope, O. O.**, et al. (accepted). *Transition of an Interactive, Hands-On Learning Tool to a Virtual Format in the COVID-19 Era*. American Society for Engineering Education Conference.
- 49 Kaiphanliam, K., & Reynolds, O., & Thiessen, D. B., & **Adesope, O.O.**, & Van Wie, B. J. (2020, June), *Work in Progress: Hands-on Learning Devices for Exposure to Biomedical Applications within Chemical Engineering* Paper presented at 2020 ASEE Virtual Annual Conference Content Access, Virtual On line . 10.18260/1-2--35642
- 48 Dahlke, K., & Van Wie, B. J., & Gartner, J., & **Adesope, O.O.**, & Dutta, P., & Thiessen, D. B. (2020, June), *Faculty Feedback on Hub-based Approach to National Dissemination of Low-cost Desktop*

*Learning Modules* Paper presented at 2020 ASEE Virtual Annual Conference Content Access, Virtual On line . 10.18260/1-2—34662

- 47 Dahlke, K., & Kaiphanliam, K., & Van Wie, B. J., & Thiessen, D. B., & Dutta, P., & **Adesope, O.O.**, & Reynolds, O., & Khan, A. I., & Gartner, J., & Oje, O. (2020, June), *A First-year Progress Report on "Collaborative Research Using Low-cost Desktop Learning Modules to Educate Diverse Undergraduate Communities in Engineering"* Paper presented at 2020 ASEE Virtual Annual Conference Content Access, Virtual On line . 10.18260/1-2—34003
- 46 Beheshti Pour, N., & Thiessen, D. B., & Van Wie, B. J., & Kaiphanliam, K., & Khan, A. I., & Dutta, P., & Reynolds, O., & Dahlke, K., & **Adesope, O.O.**, & Oje, O., & Gartner, J. (2020, June), *Design Philosophy and System Integrity for Propagation of Hands-on Desktop Learning Modules for Fluid Mechanics and Heat Transfer* Paper presented at 2020 ASEE Virtual Annual Conference Content Access, Virtual On line . 10.18260/1-2--34396
- 45 Olivares, D., **Adesope, O. O.**, Hundhausen, C., Ferreira, R., Rolin, V., & Gasevic, D. (2019). *Using social network analysis to measure the effect of learning analytics in computing education*. IEEE International Conference on Advanced Learning Technologies, Recife, Brazil.
- 44 **Adesope, O. O.**, Behesti Pour, N., Van Wie, B. J., & Thiessen, D. (2019). *Fostering Cognitive Engagement with Hands-on Learning Pedagogy*. American Society for Engineering Education Conference, Tampa, FL.
- 43 Kaiphanliam, K. M.+, Reynolds, O.+, Gartner, J. B., **Adesope, O. O.**, & Van Wie, B. J. (2019). *Work in Progress: Updates on the development of student cognitive engagement survey*. American Society for Engineering Education Conference, Tampa, FL.
- 42 Reynolds, O.+, Kaiphanliam, K. M.+, Gartner, J. B., **Adesope, O. O.**, Van Wie, B. J., et al. (2019). *Nationwide dissemination and critical assessment of low-cost Desktop Learning Modules for engineering: A systematic, supported approach*. American Society for Engineering Education Conference, Tampa, FL.
- 41 Khan, A.+, Kaiphanliam, K. M.+, Thiessen, D., Gartner, J. B., **Adesope, O. O.**, Van Wie, B. J., et al. (2019). *Development of Bloom's-level Graduated Instrument for Assessing Transport Concepts in Hands-on Learning*. American Society for Engineering Education Conference, Tampa, FL.
- 40 Fakhoury, S.+, Ma, Y.+, & **Adesope, O. O.**, & Arnaoudova, V. (2018). *The effect of poor source code lexicon on developers' cognitive load*. International Conference on Program Comprehension, Gothenburg, Sweden. Won the Distinguished Paper Award at the conference.
- 39 Lutz, B.+, Brown, S., **Adesope, O. O.**, Simmons, D., & Hunsu, N. (2018). *Work in Progress: Updates on the development of student cognitive engagement survey*. American Society for Engineering Education Conference, Salt Lake City, Utah.
- 38 Lutz, B. D., Ironside, A. J., Hunsu, N., Green, C. J., Brown, S. A., & **Adesope, O. O.** (2018). *Measuring Engineering Students' In-class Cognitive Engagement : Survey Development informed by Contemporary Educational Theories*. American Society for Engineering Education Conference, Salt Lake City, Utah.

- 37 Hunsu, N., Simmons, D., Brown, S., & **Adesope, O. O.** (2018). *Developing an instrument of classroom social engagement: A work in progress*. American Society for Engineering Education Conference, Salt Lake City, Utah.
- 36 Minichiello, A., Green, T., Claiborn, C., & **Adesope, O. O.** (2018). *A systematic literature review of student engagement research frameworks for application within engineering education*. American Society for Engineering Education Conference, Salt Lake City, Utah.
- 35 Hunsu, N., **Adesope, O. O.**, & Van Wie, B. J. (2018). *Fostering an enriching learning experience: A multisite investigation of the effects of desktop learning modules on students learning experiences in engineering classrooms*. American Society for Engineering Education Conference, Salt Lake City, Utah.
- 34 **Adesope, O. O.**, Hunsu, N., Van Wie, B. J., (2017). *Assessing engineering students' motivation and learning strategies - A psychometric analysis of the motivated strategies for learning questionnaire*. American Society for Engineering Education Conference, Columbus, OH.
- 33 Pitterson, N., Brown, S., Ironside, A., Simmons, D., & **Adesope, O. O.** (2017). *Incorporating faculty sensemaking in the implementation and modification of an instrument to measure social and cognitive engagement*. American Society for Engineering Education Conference, Columbus, OH.
- 32 Kim, D., Olson, W., Wandro, K., Sundararajan, K., & **Adesope, O. O.** (2017). *Professional development workshop to promote writing transfer between first year composition and introductory engineering laboratory courses*. American Society for Engineering Education Conference, Columbus, OH.
- 31 Carter, A. C., Hundhausen, C. D., & **Adesope, O. O.** (2015). *The normalized programming state model: Predicting student performance in computing courses based on programming behavior*. Association for Computing Machinery's International Computing Education Research (ICER) Conference Proceedings. Omaha, NE.
- 30 **Adesope, O. O.**, Hunsu, N., & Van Wie, B. J. (2015). *The effects of using desktop learning modules on engineering students' motivation*. American Society for Engineering Education Conference Proceedings, Seattle, WA.
- 29 Njau, S. W., VanWie, B., Burgher, J. K., ..., & **Adesope, O. O.**,... (2015). *Miniature low-cost desktop learning modules for multi-disciplinary engineering process applications*. American Society for Engineering Education Conference Proceedings, Seattle, WA.
- 28 Nesbit, J. C., Liu, L., Liu, Q., & **Adesope, O. O.** (2015). *Intelligent Tutoring Systems in computer science and software engineering education*. American Society for Engineering Education Conference Proceedings, Seattle, WA.
- 27 Van Wie, B. J., Thiessen, D., Richards, B., **Adesope, O. O.**, Golter, P., & Hunsu, J. (2015). *Multi-disciplinary hands-on desktop learning modules and modern pedagogies*. American Society for Engineering Education Conference Proceedings, Seattle, WA.
- 26 Hundhausen, C. D., Carter, A. C., & **Adesope, O. O.** (2015). *Does social interaction predict learning outcomes? An empirical study in an early computing course*. Association for Computing Machinery's Special Interest Group on Computer Science Education (SIGCSE) Conference Proceedings. Kansas City, MO.

- 25 Nesbit, J. C., **Adesope, O. O.**, Qing, L.+, & Ma, W.+ (2014). *How effective are intelligent tutoring systems in Computer Science Education?* IEEE International Conference on Advanced Learning Technologies Conference Proceedings. Athens, Greece.
- 24 Burgher, J. K.+, Finkel, D.+, Van Wie, B. J., & **Adesope, O. O** (2014). *Comparing misconceptions in fluid mechanics using interview analysis pre and post hands-on learning module treatment.* American Society for Engineering Education Conference Proceedings. Indianapolis, IN.
- 23 Schroeder, N. L., & **Adesope, O. O.** (2013). *Does a pedagogical agent facilitate learning in a learner-attenuated system-paced learning environment?* In Proceedings of World Conference on E-learning on Corporate, Government, Healthcare, and Higher Education, Las Vegas, NV.
- 22 Schroeder, N. L.+, & **Adesope, O. O.** (2013). *Does a pedagogical agent's gender impact learner's perceptive responses in a learner-attenuated system-paced learning environment?* In Proceedings of World Conference on E-learning on Corporate, Government, Healthcare, and Higher Education, Las Vegas, NV.
- 21 Burgher, J. K.+, Van Wie, B. J., **Adesope, O. O.**, & Brown, S. (2013). *New hands-on fluid mechanics cartridges and pedagogical assessment.* American Society for Engineering Education Conference Proceedings. Atlanta, GA.
- 20 Clark, C. M.+, Van Wie, B. J., **Adesope, O. O.**, & Brown, S. (2013). *Development of hands-on desktop learning modules for bioengineering courses.* American Society for Engineering Education Conference Proceedings. Atlanta, GA.
- 19 Frye, N.+, Montfort, D., Brown, S., & **Adesope, O. O.** (2012). *I'm absolutely certain that's probably true: Exploring epistemologies of sophomore engineering students.* Proceedings of the Frontiers in Education Conference, Seattle, WA.
- 18 Van Wie, B. J., Golter, P. B.+, Thiessen, D. B., Abdul, B.+, **Adesope, O. O.**, & Brown, G. R. (2012). *Multi-Disciplinary Hands-on Desktop Learning Modules and Modern Pedagogies.* American Society for Engineering Education Conference Proceedings. San Antonio, TX.
- 17 Abdul, B.+, Van Wie, B. J., Brown, G. R., Thiessen, D. B., & **Adesope, O. O.** (2012). *Development and deployment of a rubric based on Fink's cognitive dimensions in a fluid mechanics and heat transfer class with potential applications in a variety of engineering classes.* American Society for Engineering Education Conference Proceedings. San Antonio, TX.
- 16 Newell, K.+, & **Adesope, O. O.** (2011). Examining cultural and technological barriers to Native American students' use of online college degree programs. In *Proceedings of World Conference on E-learning on Corporate, Government, Healthcare, and Higher Education 2011* (pp. 2078-2083). Chesapeake, VA: AACE.
- 15 Schroeder, N. L.+, Barouch Gilbert, R.+, & **Adesope, O. O.** (2011). ) Pedagogical agents and learning: Are they worth the cost? In *Proceedings of World Conference on E-learning on Corporate, Government, Healthcare, and Higher Education 2011* (pp. 2078-2083). Chesapeake, VA: AACE.
- 14 Barouch Gilbert, R.+, Schroeder, N. L.+, & **Adesope, O. O.** (2011). Concept maps as metacognitive instructional tools for English Language Learners. In *Proceedings of World Conference on E-learning*

*on Corporate, Government, Healthcare, and Higher Education 2011* (pp. 1821-1826). Chesapeake, VA: AACE.

- 13 Schlecht, W. D., Van Wie, B. J., Golter, P. B., ..., **Adesope, O. O.**, et al. (2011). *Multi-disciplinary project-based paradigm that uses hands-on desktop learning modules and modern learning pedagogies*. American Society for Engineering Education Conference Proceedings. Vancouver, B. C.
- 12 **Adesope, O. O.**, & Nesbit, J. C. (2009). *Meta-analysis of collaborative concept maps*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education. Vancouver, B.C.
- 11 **Adesope, O. O.**, Nesbit, J. C., Olubunmi, O., & Adesope, T. V. (2009). *Effects of animated concept maps on learning*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education. Vancouver, B.C.
- 10 **Adesope, O. O.** (2008). *A qualitative review of research on learning with collaborative concept maps*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education. Las Vegas, Nevada.
- 9 Gress, C. L. Z., **Adesope, O. O.**, & Nesbit, J. C. (2008). *Re-examining the metacognitive sub-scale of the motivated strategies for learning questionnaire (MSLQ)*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Las Vegas, Nevada.
- 8 Adesope, T. V., **Adesope, O. O.**, & Ojeme, C. O. (2008). *Traditional and online forms of education: Proposing a common ground*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Las Vegas, Nevada.
- 7 Ojeme, C. O., **Adesope, O. O.**, & Adesope, T. V. (2008). *Influence of video learning on sex education – Towards eradicating AIDS in Africa*. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Las Vegas, Nevada.
- 6 **Adesope, O. O.**, Olubunmi, S. O., & McCracken, J. (2007). *Implementing mobile learning in developing countries*. In C. Montgomerie & J. Seale (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007* (pp. 1249-1254). Chesapeake, VA: Association for the Advancement of Computing in Education.
- 5 Nesbit, J. C., Larios, H., & **Adesope, O. O.** (2007). *How students read concept maps: A study of eye movements*. In C. Montgomerie & J. Seale (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007* (pp. 3961-3970). Chesapeake, VA: Association for the Advancement of Computing in Education.
- 4 Olubunmi, S. O., & **Adesope, O. O.** (2007). Using cognitive artifacts for learning. In C. Montgomerie & J. Seale (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007* (pp. 2960-2965). Chesapeake, VA: Association for the Advancement of Computing in Education.
- 3 **Adesope, O. O.**, & Nesbit, J. (2005). Toward accessible learning resources. In G. Richards (Ed.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2005* (pp. 1802-1807). Chesapeake, VA: Association for the Advancement of Computing in Education.

- 2 Nesbit, J. C., & **Adesope, O. O.** (2005). Dynamic concept maps. In P. Kommers & G. Richards (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2005* (pp. 4323-4329). Norfolk, VA: Association for the Advancement of Computing in Education.
- 1 **Adesope, O. O.**, & McCracken, J. (2004). Multimedia and situated language learning. In V. Uskov (Ed.), *Proceedings of the Seventh IASTED International Conference on Computers and Advanced Technology in Education*, Kauai, Hawaii, USA.

### g) Refereed Conference Presentations

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- 105 Dydasco, C. G., Wong, R. M., **Adesope, O. O.**, & Nishida, K. R. A. (under review). *The Effect of Choice in Using Different Concept Map Activities on Learning and Motivation*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 104 Sunday, O. J., Wong, R. M., **Adesope, O. O.**, Oni, S., Aina, S., & Nishida, K. R. A. (under review). *The Effectiveness of Concept Maps Activities and Motivational Factors on Chemistry Learning Performance*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 103 Wong, R. M. & **Adesope, O. O.** (under review). *Promoting Collaboration with Resource Interdependence to Enhance Learning with Concept Mapping*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 102 Ezech, C., Oje, O., Kehinde, O., **Adesope, O. O.**, VanWie, B., & Dutta, P. (under review). *Developing an Instrument for Measuring Cognitive Engagement in Engineering Courses*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 101 Oni, S., Wong, R. M., **Adesope, O. O.**, Sunday, O. J., Aina, S., & Nishida, K. R. A. (under review). *Effect of Self-constructed Concept Map and Peer Feedback on Chemistry Learning Outcome*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 101 Aina, S., Wong, R. M., **Adesope, O. O.**, Sunday, O. J., Oni, S., & Nishida, K. R. A. (under review). *Effects of concept map quality and task perseverance on student learning in chemistry*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 100 Wong, R. M., Castro, C., **Adesope, O. O.**, & Paas, F. (under review). *The Effects on Multimedia Learning of Different Gestures Made by Multimedia Pedagogical Agents*. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).
- 99 **Adesope, O. O.**, Ezech, C., Adaramola, B. & Adesope, T. V. (2021). *Effects of Generative Drawing on Learning: In Progress Review*. 2021 American Psychological Association (APA) Convention.
- 98 Oje, O., & **Adesope, O. O.**, Wong, R. M., & VanWie, B. (2021). *Hands-on in Engineering Classrooms: Online versus Face-to-Face Delivery During COVID-19*. 2021 American Psychological Association (APA) Convention.
- 97 Wong, R. M., Dydasco, C. G., **Adesope, O. O.**, & Nishida, K. R. A. (2021). *Effect of choice of classroom activity on performance and motivation*. 2021 American Psychological Association (APA) Convention.



- 96 Aina, S., & **Adesope, O. O.** (2021). *Effects of self-generated versus scaffolded concept maps on STEM learning*. 2021 American Psychological Association (APA) Convention.
- 95 Riera, J., **Adesope, O. O.**, & Sunday, O. J. (2021). *Effective strategies for using CAPT to provide second language pronunciation instruction: Research findings*. Pronunciation in Second Language Learning and Teaching (PSLLT) Conference, Brock University, Ontario, Canada.
- 94 Riera, J., **Adesope, O. O.**, & Sunday, O. J. (2021). *Effective Practices for Using CAPT to Develop L3/Ln Pronunciation Fluency: Meta-Analytical Findings*. 13th International Symposium on Bilingualism (ISB13), University of Warsaw, Poland.
- 93 Wong, R. M., & **Adesope, O. O.** (2021). *The Effect of Concept Map Format on Electrochemistry Learning: Fill-in-the-blank vs. Map Correction*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 92 Leo, N., Wong, R. M., & **Adesope, O. O.** (2021). *Comparative Effects of Individual and Collaborative Construction of Concept Maps*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 91 Anguiano, C., Carbonneau, K. & **Adesope, O. O.** (2021). *Effects of Multimedia-Enhanced Storybooks on Young Children's Vocabulary and Comprehension Knowledge: A Meta-Analysis*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 90 Ezeh, C., **Adesope, O. O.**, Kehinde, O. J., Jaiyeola, E. O. (2021). *Effects of Flipped Instruction on College Students' Learning Outcomes in STEM Subject Domains: A Meta-Analysis*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 89 Reilly, K., **Adesope, O. O.**, & Gotch, C. M. (2021). *Exploring the Impact of Academic Success Interventions to Support Undergraduate Students on Academic Probation*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 88 Sunday, O. J., **Adesope, O. O.**, Wong, R. M., & Oni, S. (2021). *The Effects of Concept Maps with Feedback on Chemistry Learning Performance*. Paper presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 87 Oni, S., **Adesope, O. O.**, Wong, R. M., & Sunday, O. J. (2021). *Effect of Different Concept Map Formats and Students' Concept Mapping Perception on Learning Performance*. Paper to be presented at 2021 Annual Meeting of the American Educational Research Association (AERA).
- 86 **Adesope, O. O.**, Wong, R. M., & Nishida, K. (2020, August). *Scaffolded concept map vs. Self-constructed concept maps in an ecologically valid environment*. 2020 American Psychological Association (APA) Convention. Washington D.C.
- 85 Oni, O. S., **Adesope, O. O.**, Strong, Z., & Sunday, O. J. (2020, August). *Rethinking the application of culturally relevant education: A systematic review of Native American STEM learners*. 2020 American Psychological Association (APA) Convention. Washington D.C. Won an APA Award
- 84 Sunday, O. J., **Adesope, O. O.**, & Oni, O. S. (2020, August). *A systematic review of smartphone addiction on learning*. 2020 American Psychological Association (APA) Convention. Washington D.C.
- 83 Wong, R. M., **Adesope, O. O.**, & Nishida, K. (2020). *Concept and Fill-in-the-Blank Maps as Retrieval Practice Strategies to Enhance Chemistry Performance*. Poster presented at 2020 Annual Meeting of the American Educational Research Association (AERA). San Francisco, CA. (Conference Canceled)

- 82 Wong, R. M., Collins, B. L., Cooper, C. M., & **Adesope, O. O.** (2020). *To Highlight or Summarize? The Benefits of Constructive Learning in Geology*. Poster presented at Earth Educators' Rendezvous 2020 Conference. Palo Alto, CA.
- 81 **Adesope, O. O.** , Aina, S., Johnson, O. & Ojeme, C. (2019). *Investigating the effects of partial and full redundancy on multimedia learning*. 2019 Annual Meeting of the American Educational Research Association (AERA), Toronto, Canada.
- 80 **Adesope, O. O.**, Zhang, P., & Wang, Z. (2019). *Effects of position on learning with emotional pictures*. 2019 Annual Meeting of the American Educational Research Association (AERA), Toronto, Canada.
- 79 Castro-Alonso, J. C., Wong, M., **Adesope, O. O.**, Ayres, P., & Paas, F. (2019). *A meta-analysis of variables affecting learning from dynamic versus static visualizations: Implications for cognitive load theory*. 12<sup>th</sup> International Cognitive Load Theory Conference, Maastricht, the Netherlands.
- 78 Wong, R. M., & **Adesope, O. O.** (2019). *Emotional designs in multimedia learning: A meta-analysis*. 2019 Annual Meeting of the American Educational Research Association (AERA), Toronto, Canada.
- 77 Hunsu, N., McCrudden, M. T., **Adesope, O. O.**, & Davis, B. W. (2019). *Investigating text type and cognitive engagement effects with on comprehension strategies*. 2019 Annual Meeting of the American Educational Research Association (AERA), Toronto, Canada.
- 76 Reilly, K., & **Adesope, O. O.** (2019). *Impacts of academic success coaching on college student achievement: A systematic review*. 2019 Annual Meeting of the American Educational Research Association (AERA), Toronto, Canada.
- 75 **Adesope, O. O.** , Dizon, E., & Wong, R. (2018). *Exploring the role of text length and degree of redundancy in multimedia learning environments*. 2018 Annual Meeting of the American Educational Research Association (AERA), New York City, NY.
- 74 **Adesope, O. O.**, Hundhausen, C., Carter, A., Austin, B., & Van Orman, D. (2018). *Predicting student performance in a social programming environment*. 2018 Annual Meeting of the American Educational Research Association (AERA), New York City, NY.
- 73 Sundararajan, N., & **Adesope, O. O.** (2018). *Self-selected concept mapping in an undergraduate chemistry classroom*. 2018 Annual Meeting of the American Educational Research Association (AERA), New York City, NY.
- 72 Wong, R., **Adesope, O. O.** , & Carbonneau, K. (2018). *Computer-based learning of mathematics from worked examples: Focused and menu-based self-explanations*. 2018 Annual Meeting of the American Educational Research Association (AERA), New York City, NY.
- 71 **Adesope, O. O.**, & Ezech, C. (2017). *A systematic review of the effect of generative drawing on learning*. 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 70 Ardasheva, Y., Roo, A-K., Wang, Z., & **Adesope, O.** (2017). *Impacts on science reading comprehension and interest: Do pictures always help English learners?* 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 69 Wang, Z., & **Adesope, O. O.** (2017). *Does prior knowledge moderate the seductive details effect?* 2017 American Educational Research Association Annual Meeting, San Antonio, TX.

- 68 Alpizar, D.+, **Adesope, O. O.**, & Sternod, L.+ (2017). *A meta-analysis of signaling in multimedia learning environments*. 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 67 Hunsu, N.+, & **Adesope, O. O.** (2017). *Situational interest development*. 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 66 Sundararajan, N.+, Wang, Z., & **Adesope, O. O.** (2017). *Managing seductive details: A skill and disposition approach*. 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 65 Barton, K.+, & **Adesope, O. O.** (2017). *The effects of dogs on learning: A meta-analysis*. 2017 American Educational Research Association Annual Meeting, San Antonio, TX.
- 64 Roo, A. K., Ardasheva, Y., with Wang, Z., **Adesope, O. O.**, Newcomer, S. N., Firestone, J. B., & Lamb, R. (2017). *Contributors to science reading comprehension: Study 1 and Study 2*. Annual meeting of the 2017 Teachers of English to Speakers of Other Languages (TESOL) Convention, Seattle, WA, March.
- 63 Cavagnetto, A., Morrison, J., Baldwin, K., **Adesope, O. O.**, & Ferry, N.+ (2017). *Exploring teacher perceptions of the enhancing understanding of concepts and practices of science (EUCAPS) Project*. 2017. The National Association for Research in Science Teaching (NARST) Annual Meeting, San Antonio, TX.
- 62 **Adesope, O. O.**, Trevisan, D. T., & Sundararajan, N.+ (2016). *Are practice tests effective for learning? Re-examining the testing effect!* 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 61 Hunsu, N+, & **Adesope, O. O.** (2016). *Are clickers effective in the classroom? A meta-Analysis*. 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 60 Sundararajan, N.+, **Adesope, O. O.**, & Cavagnetto, A. (2016). *Effects of increased exposure to collaborative concept maps on critical thinking skills of kindergarten students*. 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 59 Ardasheva, Y., Wang, Z., & **Adesope, O. O.** (2016). *Exploring effectiveness and moderators of language Learning Strategy instruction on second language and self-regulation outcomes*. 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 58 Schroeder, N. S., Anguiano, C., Nesbit, J. C., & **Adesope, O. O.** (2016). *43 years later, concept and knowledge maps still facilitate learning*. 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 57 Austin, B.+, French, B., **Adesope, O. O.**, & Gotch, C. (2016). *Response styles adjustments in cross-cultural data using the mixture PCM IRT Model*. 2016 American Educational Research Association Annual Meeting, Washington, DC.
- 56 Wang, Z.+, & **Adesope, O. O.** (2016). *The moderating effects of computerized note-taking on seductive details: A multimedia learning study*. 2016 American Educational Research Association Annual Meeting, Washington, DC.

- 55 **Adesope, O. O.**, Cavagnetto, A., Hunsu, N., Anguiano, C., & Lloyd, J. (2015). *Differential effects of science learning with concept maps, refutational texts and expository texts*. American Educational Research Association Annual Meeting, Chicago, IL.
- 54 **Adesope, O. O.**, Austin, B., French, B., & Gotch, C. (2015). *Relationships between teaching practices, classroom climate and teacher beliefs: International perspectives*. 2015 American Educational Research Association Annual Meeting, Chicago, IL.
- 53 Bettis, P., Kelley, J., & **Adesope, O. O.** (2015). *#Bring back our girls: Nigeria, Literacy and Gender*. 2015 American Educational Research Association Annual Meeting, Chicago, IL.
- 52 Austin, B., French, B., **Adesope, O. O.**, & Gotch, C. (2015). *Using standard deviations of student measures to predict teacher practices*. 2015 American Educational Research Association Annual Meeting, Chicago, IL.
- 51 Austin, B., French, B., & **Adesope, O. O.** (2015). *The effect of response style adjustments on measures of variability*. 2015 The National Council on Measurement in Education (NCME) Annual Meeting, Chicago, IL.
- 50 Cavagnetto, A., Lamb, R., French, B., Lijun, C., **Adesope, O. O.**, & Taylor, M. (2015). *A potential future in education: The application of intelligent systems in teacher education*. 2015 The National Association for Research in Science Teaching (NARST) Annual Meeting, Chicago, IL.
- 49 Cavagnetto, A., Gotch, C., **Adesope, O. O.**, Morrison, J., Baldwin, K. A., Marr, C., & Boatman, G. (2015). *Negotiating transition to the NGSS: Findings from a K-8 professional learning project*. 2015 The National Association for Research in Science Teaching (NARST) Annual Meeting, Chicago, IL.
- 48 Baldwin, K., Cavagnetto, A. & **Adesope, O. O.**, Morrison, J., Gotch, C., & Marr, C. (2015). *Supporting teachers' implementation of the Next Generation Science Standards*. Association for Science Teacher Education (ASTE), Portland, OR.
- 47 Baldwin, K., Cooper, K., Cavagnetto, A., Morrison, J., & **Adesope, O. O.** (2014). *Big outcrops and big ideas in earth science K-8 professional development*. American Geophysical Union Conference, San Francisco, CA.
- 46 Lloyd, J., Schroeder, N., & **Adesope, O. O.** (2014). *How effective is blended learning for K-12 students? Technology-Enhanced Curricula in Higher Education*, Pullman, WA.
- 45 Trevisan, D., & **Adesope, O. O.** (2014). *The effects of feedback formats on the negative suggestion effect*. 2014 American Educational Research Association Annual Meeting, Philadelphia, PA.
- 44 Hunsu, N., & **Adesope, O. O.** (2014). *Exploring student engagement patterns in online classrooms*. 2014 American Educational Research Association Annual Meeting, Philadelphia, PA.
- 43 Lloyd, J., & **Adesope, O. O.** (2014). *A meta-analysis of online learning in K-12*. 2014 American Educational Research Association Annual Meeting, Philadelphia, PA.
- 42 Baldwin, K., **Adesope, O. O.**, Cavagnetto, A., Gotch, C., Marr, J. C., & Morrison, J. (2014). *Negotiating understanding in K-8 science contexts*. Northwest Association of Teacher Educators Conference, Pullman, WA.

- 41 Streveler, R., Brown, S., **Adesope, O. O.**, Matusovich, H., & Herman, G. L. (2013). *Building conceptual vocabulary: The role of language acquisition in conceptual understanding*. Conference of the European Association for Learning and Instruction (EARLI), Munich, Germany.
- 40 **Adesope, O. O.** (2013). *Using an educational theory to implement engineering design experiences*. Canadian Society for the Study of Education 2013 conference, Victoria, BC.
- 39 Schroeder, N., & **Adesope, O. O.** (2013). *Are we preparing pre-service teachers to use educational technology? A holistic approach to educational technology coursework*. Canadian Society for the Study of Education 2013 conference, Victoria, BC.
- 38 Schroeder, N., & **Adesope, O. O.** (2013). *A systematic review of learner's perceptions of pedagogical agent persona*. Canadian Society for the Study of Education 2013 conference, Victoria, BC.
- 37 Hunsu, N., & **Adesope, O. O.** (2013). *When prior knowledge fails, refutational texts are not just enough*. Canadian Society for the Study of Education 2013 conference, Victoria, BC.
- 36 Barouch Gilbert, R., Schroeder, N. L., & **Adesope, O. O.**, & (2013). *Do teachers quit due to stress?* 2013 American Educational Research Association Annual Meeting, San Francisco, CA.
- 35 **Adesope, O. O.**, Trevisan, D. A., & Trevisan, M. (2013). *A meta-analysis of the testing effect*. 2013 American Educational Research Association Annual Meeting, San Francisco, CA.
- 34 Trevisan, M., French, B., & **Adesope, O.** (2013). *An exploratory study of school improvement factors in Washington State*. 2013 American Educational Research Association Annual Meeting, San Francisco, CA.
- 33 Ma, W., **Adesope, O. O.**, & Nesbit, J. C. (2013). *How intelligent are intelligent tutoring systems: A meta-analysis*. 2013 American Educational Research Association Annual Meeting, San Francisco, CA.
- 32 Wang, Z., **Adesope, O. O.**, & Hao, T. (2013). *Seductive details: Should we treat them differently in the social sciences than in natural sciences?* 2013 American Educational Research Association Annual Meeting, San Francisco, CA.
- 31 Crawford, J. K., Trevisan, D. A., Owens, R. W., **Adesope, O. O.**, Rocha de Luna, R., Hill, L. G., Williams, E., & Sheppard, A. (2012). *Post program changes among parents attending divorce education program*. Association of Family and Conciliations Courts Annual Convention Chicago, IL.
- 30 Barouch Gilbert, R., & **Adesope, O. O.** (2012). *The effects of efficacy, job satisfaction, job stress and their influence on the retention of teachers in the Dominican Republic*. American Educational Research Association Annual Meeting, Vancouver, B.C., Canada.
- 29 Barouch Gilbert, R., Schroeder, N. L., & **Adesope, O. O.** (2012). *A meta-analysis of the effect of teacher retention*. American Educational Research Association Annual Meeting, Vancouver, B.C., Canada.
- 28 Schroeder, N. L., **Adesope, O. O.**, & Barouch Gilbert, R., (2012). *A meta-analysis of the effects of pedagogical agents on learning*. American Educational Research Association Annual Meeting, Vancouver, B.C., Canada.

- 27 Quezada, E., & **Adesope, O. O.** (2012). *Factors influencing language choice among Latino/a Spanish-English bilinguals*. American Educational Research Association Annual Meeting, Vancouver, B.C., Canada.
- 26 **Adesope, O. O.**, & Nesbit, J. C. (2011). *The effects of animated concept maps on transfer of learning*. American Educational Research Association Annual Meeting, New Orleans, LA.
- 25 Ma, W., **Adesope, O. O.**, & Nesbit, J. C. (2011). *Intelligent Tutoring Systems: A Meta-Analysis*. American Educational Research Association Annual Meeting, New Orleans, LA.
- 24 **Adesope, O. O.**, & Nesbit, J. C. (2010). *A meta-Analysis of verbal redundancy in multimedia learning environments*. American Educational Research Association 2010 Annual Meeting, Denver, CO.
- 23 **Adesope, O. O.**, & Nesbit, J. C. (2009). *The effects of animated and static concept maps on learning*. American Educational Research Association 2009 Annual Meeting, San Diego, CA.
- 22 **Adesope, O. O.**, Lavin, T., Thompson, T., & Ungerleider, C. (2009). *A meta-analysis on the cognitive benefits of bilingualism*. American Educational Research Association 2009 Annual Meeting, San Diego, CA.
- 21 Nesbit, J. C., Zhou, M. Bachman, G., **Adesope, O. O.**, & Bisra, K. (2009). *Achievement goal orientations*. American Educational Research Association 2009 Annual Meeting, San Diego, CA.
- 20 **Adesope, O. O.** (2009). *Bilingualism and Cognition*. Contextualizing Bilingualism and Biliteracy. National Conference of Bilingualism and Biliteracy Development, Halifax, NS.
- 19 **Adesope, O. O.** (2009). *Systematic Review of teaching literacy to immigrant students*. International Conference of Language and Reading Comprehension for Immigrant Children, Ontario Institute for Studies in Education (OISE), Toronto, ON.
- 18 **Adesope, O. O.** (2009). *Rediscovering redundancy in education*. Canadian Society for the Study of Education conference, Ottawa, ON.
- 17 Oldford, S., **Adesope, O. O.** & Jahng, N. (2009). *Perceived quality, accessibility, and affordability of postsecondary education in Canada*. Canadian Society for the Study of Education 2009 conference, Ottawa, ON.
- 16 **Adesope, O. O.** (2009). *Best practices in teaching literacy to ESL immigrant students*. Canadian Language & Literacy Research Network conference, Ottawa, ON.
- 15 Ojeme, C. O., & **Adesope, O. O.** (2009). *The psychology of language learning*. International Association of Performing Languages Conference, Victoria, BC.
- 14 **Adesope, O. O.**, & Nesbit, J. C. (2008). *Meta-analysis of verbal redundancy – preliminary results*. International Campbell Collaboration Colloquium, Vancouver, BC.
- 13 **Adesope, O. O.**, Lavin, T., Thompson, T., & Ungerleider, C. (2008). *Best practices for fostering English literacy: A systematic review and meta-analysis*. International Campbell Collaboration Colloquium, Vancouver, BC.
- 12 Olubunmi, S. O., & **Adesope, O. O.** (2008). *Using multimedia learning object for health education*. Canadian Society for the Study of Education, Vancouver, BC.

- 11 **Adesope, O. O.**, Gress, C. L. Z., & Nesbit, J. (2008). *Examining the Psychometric Properties of Achievement Goal Questionnaire using Item Response Theory*. Canadian Society for the Study of Education, Vancouver, BC.
- 10 **Adesope, O. O.** (2008). *Designing multimedia resources for language learning*. Language and Literacy Conference. Victoria, BC.
- 9 **Adesope, O. O.** (2008). *Learning an African language through a multimedia CD-ROM: A case study*. Language and Literacy Conference. Victoria, BC.
- 8 Code, J., Nesbit, J. C., **Adesope, O. O.**, & Zhou, M. (2007). *The role of agency in self and other regulation*. American Educational Research Association 2007 Annual Meeting, Chicago, IL.
- 7 Zhou, M., Nesbit, J. C., Winne, P. H., & **Adesope, O. O.** (2007). *Relations of multivariate goal profiles to measures of self-regulated learning, epistemological beliefs and achievement*. American Educational Research Association Annual Meeting, Chicago, IL.
- 6 **Adesope, O. O.**, & Nesbit, J. C., (2006). *Effects of dynamic concept maps on recall of central and detail ideas*. American Educational Research Association, San Francisco, CA.
- 5 **Adesope, O. O.**, Leacock, T., Nesbit, J. C., & Winne, P. H. (2006). *Using software tools to promote metacognition - The Learning Kit Project*. European Association for Research in Learning and Instruction, Cambridge, UK.
- 4 **Adesope, O. O.**, Leacock, T., & Nesbit, J. C. (2006). *Rethinking learning design principles for computer-based metacognitive tools*. European Association for Research in Learning and Instruction, University of Cambridge, UK.
- 3 **Adesope, O. O.** (2006). The use of drama in CD-ROM multimedia development of advanced level African language course. International Conference on Drama and Theatre in Second Language Education, University of Victoria, CA.
- 2 Nesbit, J. C., & **Adesope, O. O.** (2005). *Effects of concept and knowledge maps: A meta-analysis*. American Educational Research Association, Montreal, Quebec.
- 1 **Adesope, O. O.**, & McCracken, J. (2005). *Learning through computer-based dynamic concept maps – Qualitative analysis*. Paper presented at the ALT-C Conference, University of Manchester, England.

#### *h) Technical Reports*

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- 23 **Adesope, O. O.**, & Wong, R. M. (2021). Bridging the writing transfer gap in early engineering laboratory courses. Year 2 Evaluation report. Pullman: Washington State University.
- 22 **Adesope, O. O.** (2021). Developing multi-scale models for the effective design of hydrothermally stable single-site catalysts for low-temperature CO emissions removal: Year 4 Evaluation report. Pullman: Washington State University.
- 21 **Adesope, O. O.** (2021). Fast and scalable combinatorial algorithms for data analytics: Year 6 Evaluation report. Pullman: Washington State University.

- 20 **Adesope, O. O.** (2020). Developing multi-scale models for the effective design of hydrothermally stable single-site catalysts for low-temperature CO emissions removal: Year 3 Evaluation report. Pullman: Washington State University.
- 19 **Adesope, O. O.** (2020). Autonomous Wearable Computing for Personalized Healthcare: Year 4 Evaluation report. Pullman: Washington State University.
- 18 **Adesope, O. O.** (2020). Fast and scalable combinatorial algorithms for data analytics: Year 5 Evaluation report. Pullman: Washington State University.
- 17 **Adesope, O. O., & Oje, O.+** (2020). Bridging the writing transfer gap in early engineering laboratory courses.. Year 1 Evaluation Report. Pullman: Washington State University.
- 16 **Adesope, O. O.** (2019). Autonomous Wearable Computing for Personalized Healthcare: Year 3 Evaluation report. Pullman: Washington State University.
- 15 **Adesope, O. O.** (2019). Fast and scalable combinatorial algorithms for data analytics: Year 4 Evaluation report. Pullman: Washington State University.
- 14 **Adesope, O. O.** (2018). Developing multi-scale models for the effective design of hydrothermally stable single-site catalysts for low-temperature CO emissions removal: Year 1 Evaluation report. Pullman: Washington State University.
- 13 **Adesope, O. O.** (2018). Fast and scalable combinatorial algorithms for data analytics: Year 3 Evaluation report. Pullman: Washington State University.
- 12 **Adesope, O. O.** (2017). Fast and scalable combinatorial algorithms for data analytics: Year 2 Evaluation report. Pullman: Washington State University.
- 11 **Adesope, O. O.** (2017). Power Electronics Refined learning via affordable Kit and Software tutor (PERKS): Year 1 Evaluation report. Pullman: Washington State University.
- 10 **Adesope, O. O.** (2017). Toward a mechanistic and quantitative understanding of oxidative conversion of biorefinery lignin to open chain hydrocarbon fuel - a new approach to dispel the lignin myth: Year 2 Evaluation report. Pullman: Washington State University.
- 9 **Adesope, O. O., & Sundararajan, N.** (2017). TechAcodemy Summer Camp Evaluation Report. Pullman: Washington State University.
- 8 **Adesope, O. O., & Sundararajan, N.** (2017). Crossing the threshold by supporting writing transfer as engaged learning in introductory engineering laboratories. Year 2 Evaluation Report. Pullman: Washington State University.
- 7 **Adesope, O. O., Sundararajan, N., & Wang, Z.** (2017). S-STEM Project: Scholarships for Future Leaders in Electric Energy and Smart Grid. 2016 – 2017 Evaluation Report. Pullman: Washington State University.
- 6 **Adesope, O. O.** (2016). Fast and scalable combinatorial algorithms for data analytics: Year 1 Evaluation report. Pullman: Washington State University.
- 5 **Adesope, O. O.** (2016). Toward a mechanistic and quantitative understanding of oxidative conversion of biorefinery lignin to open chain hydrocarbon fuel - a new approach to dispel the lignin myth: Year 1 Evaluation report. Pullman: Washington State University.



- 4 **Adesope, O. O.**, & Sundararajan, N. (2016). TechAcodemy summer camp Evaluation Report. Pullman: Washington State University, Learning and Performance Research Center.
- 3 **Adesope, O. O.**, & Sundararajan, N. (2016). Crossing the threshold by supporting writing transfer as engaged learning in introductory engineering laboratories. Year 1 Evaluation Report. Pullman: Washington State University, Learning and Performance Research Center.
- 2 **Adesope, O. O.**, Sundararajan, N., & Wang, Z. (2016). S-STEM Project: Scholarships for future leaders in electric energy and smart grid. 2015 – 2016 Evaluation Report. Pullman: Washington State University, Learning and Performance Research Center.
- 1 French, B. F., Trevisan, M. S., & **Adesope, O. O.** (2012). *Analysis of differences between SIG schools in Washington State*. Washington Education Association.

*i) Presentations and Posters (Non-Peer Reviewed. Posters indicated by ~)*

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- 32 **Adesope, O. O.** (2020). *Promoting student engagement in online learning environments*. Christ University, Bangalore - India.
- 31 **Adesope, O. O.** (2020). *Research Process*. Presentation to Africa Center of Excellence, Lagos.
- 30 **Adesope, O. O.** (2020). *Thriving during COVID-19*. Presentation to e-Togetherness group. WSU
- 29 **Adesope, O. O.** (2018). *How to tackle grand challenges in education through meta-analyses and systematic reviews*. Institute of Education, University College of London, United Kingdom.
- 28 **Adesope, O. O.** (2018). *Learning analytics potentials in social programming*. Edinburgh University, Scotland.
- 27 **Adesope, O. O.** (2018). *A program of research on multimedia learning*. Erasmus University, Rotterdam, The Netherlands.
- 26 **Adesope, O. O.** (2018). *Using big data to advance learning*. Open University, Milton Keynes, United Kingdom.
- 25 **Adesope, O. O.** (2016). *Introduction to meta-analysis*. Workshop led at Simon Fraser University, Burnaby, B.C.
- 24~ Cavagnetto, A., **Adesope, O. O.**, Gotch, C., Morrison, J., & Bauldwin, K., (2014). *Enhancing Understanding of Concepts and Practices of Science in K-8 Classrooms*. Mathematics and Science Partnership Conference, Washington, D.C.
- 23~ Cavagnetto, A., **Adesope, O. O.**, Gotch, C., Morrison, J., & Bauldwin, K., (2013). *Enhancing Understanding of Concepts and Practices of Science in K-8 Classrooms*. Mathematics and Science Partnership Conference, Washington, D.C.
- 22~ **Adesope, O. O.**, Lloyd, J.+, Anguiano, C.+, & Hunsu, N.+ (2014). Examining the use of concept maps for overcome scientific misconceptions. Washington State University Academic Showcase, Pullman, WA.
- 21~ Austin, B.+, **Adesope, O. O.**, French, B. F., & Gotch, C. (2014). Profiles of teaching practices, teacher beliefs and classroom environments from the 2013 Teaching and Learning International Survey (TALIS). Washington State University Academic Showcase, Pullman, WA.

- 20~**Adesope, O. O.**, Baldwin, K., Boatman, G., Cavagnetto, A., Gotch, C., & Morrison, J. (2013). *Enhancing Teachers' Understanding of Concepts and Practices in Science (EUCAPS)*. Mathematics and Science Partnership State-Wide Meeting, Renton, WA.
- 19~Morrison, J., Cavagnetto, A., Bauldwin, K., **Adesope, O. O.**, & Gotch, C. (2013). *Enhancing Teachers' Understanding of Concepts and Practices in Science (EUCAPS)*. Mathematics and Science Partnership Conference, Washington, D.C.
- 18~Streveler, R. A., Brown, S., Matusovich, H. M., **Adesope, O. O.**, Montfort, D., Herman, G., & Denick, D. (2012). Theory to practice: Developing conceptual change. *Engineering Education and Centers NSF Awardees Conference*, Washington, D. C.
- 17~**Adesope, O. O.** (2012). *Exploring the use of animated concept maps for learning*. Washington State University Academic Showcase, Pullman, WA.
- 16 Barouch Gilbert, R.+, **Adesope, O. O.**, & Schroeder, N. L.+ (2011). *Effects of self-efficacy, job satisfaction, job stress and their influence on the retention of bilingual teachers*. Washington State University, 7th Annual International Globalization, Diversity and Education Conference, Spokane, Washington.
- 15 Schroeder, N. L.+, **Adesope, O. O.**, & Barouch Gilbert, R.+ (2011). *Helping students understand world cultures through concept mapping*. Washington State University, 7th Annual International Globalization, Diversity and Education Conference, Spokane, Washington.
- 14~**Adesope, O. O.** (2011). *Meeting the English literacy needs of ESL immigrant students*. Washington State University Academic Showcase, Pullman, WA.
- 13 **Adesope, O. O.** (2011). *U.S.-Canada Collaborative educational research*. Washington State University, Pullman, WA.
- 12 **Adesope, O. O.** (2011). *The world of educational research*. Washington State University's McNair Achievement Program, Pullman, WA.
- 11 **Adesope, O. O.** (2011). *A peek into educational research*. Washington State University's McNair Achievement Program, Pullman, WA.
- 10~**Adesope, O. O.** (2011). *How can we better teach English literacy to ESL immigrant students*. Washington State University College of Education Homecoming, Pullman, WA.
- 9~ Barouch Gilbert, R.+, & **Adesope, O. O.** (2011). *The effects of efficacy, job satisfaction, job stress and the influence on the retention of teachers in the Dominican Republic*. Washington State University College of Education Homecoming, Pullman, WA.
- 8 Schroeder, N. L.+, & **Adesope, O. O.** (2011). *The effects of pedagogical agents on learning: A Meta-Analysis*. Washington State University College of Education Homecoming, Pullman, WA.
- 7 **Adesope, O. O.** (2010). *Exploring best practices for teaching literacy to ESL immigrant students*. Washington State University College of Education Homecoming, Pullman, WA.
- 6 **Adesope, O. O.** (2010). *Introduction to meta-analysis*. Simon Fraser University, Burnaby, B.C.
- 5 **Adesope, O. O.** (2010). *Evidenced-based education through meta-analysis*. Simon Fraser University, Burnaby, B.C.

- 4 **Adesope, O. O.** (2008). *Language Teaching and Learning: Can technology help?* Education Without Borders Conference. Vancouver, BC.
- 3 **Adesope, O. O.** (2005). *Dynamic Concept Maps as teaching tools*. 7th Annual Symposium on Innovative Teaching, Burnaby, BC.
- 2 **Adesope, O. O.** (2005). *Concept maps as knowledge representation tools*. Invited talk at the Faculty of Education, Simon Fraser University, Burnaby, BC.
- 1 **Adesope, O. O.** (2004). *Knowledge Management through mapping*. Laboratory of Ontological Research, School of Interactive Arts and Technology, Simon Fraser University, Surrey, BC.

### j) Software Development to Facilitate Student Learning

- Involved in the design of a Power Electronics Refined learning via affordable Kit and Software tutor (PERKS).
  - Design of a Facebook-Style Programming Environment, Washington State University.
  - \*Multimedia Developer/Project Manager: Elementary Level Yoruba CD-ROM (Year 1 course).
  - \*Multimedia Developer/Project Manager: Advanced Level Yoruba CD-ROM (Year 3 course).
  - Project Manager: Web Based Intermediate Level Yoruba Course (Year 2 online course).
  - Project Manager: Web Based Elementary Level Yoruba Course (Year 1 online course).
  - Project Manager: Interactive message board for educational purposes at the University of Wisconsin-Madison <http://lang.nalrc.wisc.edu/board/ubbthreads/ubbthreads.php>.
  - Member of the Learning Kit Research & Development Team for *gStudy* (now called *nStudy*), a computerized general study tool (<http://www.learningkit.sfu.ca>) – Simon Fraser University, Faculty of Education.
  - Member of the eLera development team ([www.elera.net](http://www.elera.net)) – Simon Fraser University, Surrey. Provided online accessibility support for eLera.
- \* *These multimedia materials are still used in different universities in the United States to teach elementary and advanced Yoruba language.*

## 6. GRANTS, AWARDS, SCHOLARSHIPS, FELLOWSHIPS

### a) Funded Grants & Contracts (~ \$12 million)

Year	Details
2021 – 2023	VanWie, B. (Investigator), Assefaw, G., Schulz, <b>Adesope, O. O.</b> (Co-Investigators), Building A Center for Academic Excellence in Cybersecurity Knowledge, Skills & Abilities for the Military and Civilian BS, MS and PhD Workforce Department of Defense, \$1,500,000

- 2020 - 2025 *CAREER: Leveraging Objective Measures for Developers' Cognitive Load to Identify and Quantify the Impact of Design, Coding, and Review Practices (with V. Arnaoudova) . National Science Foundation. Awarded: \$500,000* (Role of External Evaluator).
- 2020 - 2025 *Autonomous Wearable Computing for Personalized Healthcare (with H. Ghasemzadeh) . National Science Foundation. Awarded:~ \$550,000* (Role of External Evaluator).
- 2019 - 2021 *Meta-Analysis of the Effects of Refutation Materials for Promoting Conceptual Change in STEM. National Science Foundation. Funded: \$500,000* (Principal Investigator).
- 2019 - 2021 *Exploring Brownfield Programming Assignments in Undergraduate Computing Education. National Science Foundation. Funded: \$550,000* (Co-Principal Investigator).
- 2019 – 2021 *Research Initiation: Engineering Student Persistence, Success, and Participation in Multiple High Impact Engagement Activities at Land Grant Universities. National Science Foundation. Funded: \$200,000* (Co-Principal Investigator).
- 2018 - 2023 *EDUC-ATE: Educating Diverse Undergraduate Communities – Affordable Transport Equipment. National Science Foundation. Awarded: \$2.64 million* (Co-Principal Investigator).
- 2017 – 2021 *Culturally Responsive Indigenous Science (CRIS): Connecting land, language, and culture for Indigenous STEM (ISTEM) education. National Science Foundation. Awarded: \$2,481,274* (External Evaluator).
- 2016 - 2018 *An Instrument and Adoption Framework for Student Cognitive and Social Engagement with a Course. National Science Foundation. Awarded: \$800,000* WSU Portion is \$149,977 (Principal Investigator).
- 2016 - 2017 *External Evaluator on Highline Project National Science Foundation. Awarded: \$250,000* WSU Portion is \$25,000 (Principal Investigator)
- 2015 - 2018 *PERKS: Power Electronics Refined learning via affordable Kit and Software tutor. National Science Foundation. Awarded: \$249,995* (Co-Principal Investigator).
- 2015 - 2016 *Interpreting the practical significance of effect sizes. Faculty Funding Award – College of Education. Awarded: \$9,000* (Co-Principal Investigator).
- 2015 - 2016 *A Proposal for an Interdisciplinary Conference on Maximizing the Affordances of contemporary Technologies in Education (MATE). American Educational Research Association. Awarded: \$35,000* (Principal Investigator).
- 2015 - 2018 *Affordable Desktop Learning Modules (DLMs) to Facilitate Transformation of Undergraduate Engineering Classes, High School Recruitment & Retention. National Science Foundation. Awarded: \$714,302* (Co-Principal Investigator).
- 2014 - 2015 *Interpreting the practical significance of effect sizes. Faculty Funding Award – College of Education. Awarded: \$9,000* (Co-Principal Investigator).
- 2014 - 2015 *Statistical analysis of the international database of PISA and Teaching and Learning International Survey (TALIS). Organisation for Economic Co-operation and Development (OECD), Paris, France. Awarded: \$40,000* (Principal Investigator).

- 2014 - 2015 Design and Development of Desktop Learning Module Worksheets for High School. **Armfield. Funded: \$70,000** (Co-Principal Investigator).
- 2013 - 2017 *EXP: Exploring Social Programming Environments in Early Computing Courses*. **National Science Foundation. Awarded: \$549,763** (Co-Principal Investigator).
- 2013 - 2015 *Mathematics and Science Partnership (MSP): Enhancing Understanding of Scientific Concepts and Practices with the Science Writing Heuristic Approach, Concept Mapping, & Instructional Design*. **Washington State Office of the Superintendent of Public Instruction (OSPI). Awarded: \$518,189** (Co-Principal Investigator).
- 2013 - 2015 *Multi-Disciplinary Project-Based Paradigm that Uses Hands-on Desktop Learning Modules and Modern Learning Pedagogies*. **National Science Foundation. Awarded: \$119,839** (Co-Principal Investigator).
- 2013 - 2014 *Statistical analysis of the international database of the Teaching and Learning International Survey (TALIS)*. **Organisation for Economic Co-operation and Development (OECD), Paris, France. Awarded: \$30,000** (Principal Investigator).
- 2013 - 2014 *Cultivating Strong Partnerships and Readers: A Pilot Study*. **Washington State University. Awarded: \$40,000** (Co-Principal Investigator).
- 2013 - 2014 *Examining the use of concept maps to overcome scientific misconceptions*. **Faculty Funding Award – College of Education. Awarded: \$5,000** (Principal Investigator).
- 2013 - 2014 *Using Blogs to Promote Reflection in Large Undergraduate Classes*. **Washington State University. Awarded: \$6,000** (Principal Investigator).
- 2012 - 2013 *How Intelligent are Intelligent Tutoring Systems?* **Faculty Funding Award – College of Education. Awarded: \$5,000** (Principal Investigator).
- 2011 - 2012 *Analysis of Differences between Three Groups of Washington State Schools*. **Washington Education Association. Awarded: \$29,997**. (Co-Principal Investigator).
- 2011 - 2012 *Rethinking the Use of Tests*. **Faculty Funding Award – College of Education. Awarded: \$9,000** (Principal Investigator).
- 2011 - 2013 *Collaborative Research: Building Theories That Inform Practice: Exploring Engineering Epistemologies Through Cross Disciplinary Data Analysis*. **National Science Foundation. Awarded: \$276,369** (Co-Principal Investigator).
- 2010 - 2013 *Contextual Research – Empirical – A Direct Method for Teaching and Measuring Engineering Professional Skills: A Validity Study*. **National Science Foundation. Awarded: \$244,354** (Role of External Evaluator).
- 2010 - 2013 *Multi-Disciplinary Project-Based Paradigm that Uses Hands-on Desktop Learning Modules and Modern Learning Pedagogies (with B. Van Wie)*. **National Science Foundation-CCLI. Awarded: \$600,000** (Role of External Evaluator).

*b) Grants (Under Review - \$2 million)*

Year	Details
2021 – 2023	<b>Adesope, O. O.</b> (Co-Investigator), Trevisan, M. S. (Principal Investigator), "Implementing Trauma Informed Education for Nigerian Schools," Non-Federal, \$614,215
2021 – 2023	<b>Adesope, O. O.</b> (WSU PI), Menassa, C. (U-Michigan PI), Simmons, D. (U-Florida PI) , FW-HTF-R: Collaborative Research: Partnering Workers with Interactive Robot Assistants to Usher Transformation in Future Construction Work. National Science Foundation, \$2,500,000

*c) Grants (In Preparation for Submission - \$600,000)*

Year	Details
2021 - 2023	IUSE: Exploring the Effects of Interactive, Constructive and Active Pedagogical Strategies in Fostering Scientific Knowledge in Large Chemistry Classes. <b>National Science Foundation. In Preparation: \$600,000</b> (Principal Investigator).

*d) Grants & Contracts (Unfunded)*

Twenty two unfunded proposals between 2010 and 2020 with a total of ~ \$20 million

*e) Honors and Awards*

Year	Details
2020	2020 Society of Professors of Education Outstanding Book Award for our Book "Contemporary technologies in education: Maximizing student engagement, motivation, and learning"
2018	In an American Educational Research Association's news release, our article entitled " <i>Rethinking the Use of Tests: A Meta-Analysis of Practice Testing</i> " published by AERA's journal - <i>Review of Educational Research</i> (impact factor 5.263) was announced as <b>one of the top 10 most read education research articles of 2017</b> .
2018	<b>Distinguished Paper Award - IEEE/ACM International Conference on Program Comprehension (ICPC)</b> on our paper entitled "The Effect of Poor Source Code Lexicon and Readability on Developers' Cognitive Load".
2018	Associated Students of Washington State University (ASWSU) Award for Faculty's <b>exceptional usage of open educational resources to advance student learning</b> .
2016	Successfully completed the Washington State University's <b>Provost Leadership Academy</b> Program.

2015	<b>Article on Intelligent Tutoring System Spotligthed</b> by the Journals Program of the American Psychological Association
2014	Presented the "Outstanding Early Career Researcher Award" for <b>American Educational Research Association's Technology, Instruction, Cognition and Learning Special Interest Group, Philadelphia, PA.</b>
2014	Presented the Washington State University's College of Education " <b>Excellence in Research</b> " award.
2013	Honors College Thesis Advisor Award, presented by the <b>Washington State University Honor's College.</b>
2011	G. M. Dunlop Award for the best doctoral dissertation in educational psychology in Canada, presented by the <b>Canadian Association for Educational Psychology, Fredericton, N. B.</b>
2011	Invited Participant - Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets. <b>Sponsored by the American Educational Research Association (AERA). Held at Stanford University, Palo Alto, California.</b>
2011	Invited Participant - AERA Division C (Learning and Instruction) New Faculty Mentoring Program - <b>New Orleans, Louisiana.</b>
2009	<i>Excellent Paper Award – Language and Reading Comprehension for Immigrant Children (LARCIC) conference, Ontario Institute for Studies in Education, Toronto.</i>
2003	<i>Distinguished Service Award, University of Wisconsin-Madison.</i>
1993	<i>Federal Government Award for the overall best student, Yaba College of Technology, Lagos, Nigeria.</i>
1993	<i>Nigerian Brewery Award for the best student student in the Department of Computer Technology, Yaba College of Technology, Lagos, Nigeria.</i>
1989	<i>Lekan Aare's Cup for the best student in High School, Apata Community Grammar (High) School, Nigeria.</i>
1989	<i>Sokan's Award for the Best Student in High School, Apata Community Grammar (High) School, Nigeria.</i>

#### *f) Scholarships and Fellowships*

<b>Year</b>	<b>Details</b>
2009 - 2010	<i>Lis Welch Graduate Scholarship in Education, Simon Fraser University.</i>
2009	<i>Excellent Paper Award, Ontario Institute for the Studies of Education, Toronto.</i>
2008	<i>President's Ph.D. Research Stipend, Simon Fraser University.</i>
2008	<i>Graduate International Scholarship, Simon Fraser University.</i>

2008	<i>Vancouver East Rotary Scholarship</i> , Simon Fraser University.
2007	<i>Rotary Club of Burnaby Scholarship</i> , Simon Fraser University.
2006 - 2008	<i>Doctoral Fellowship</i> , Simon Fraser University.
2007	<i>Travel Award</i> , Social Sciences and Humanities Research Council.
2006 - 2009	<i>Graduate Student Travel Awards</i> , Simon Fraser University.
2005	<i>Director's Fellowship</i> , Simon Fraser University.

## 7. TEACHING DUTIES AT WASHINGTON STATE UNIVERSITY

### a) Courses Taught

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ED_PSYCH 572	<i>Systematic Reviews and Meta-Analysis</i> (3 credits) Fall 2011, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020.
ED_PSYCH 568	<i>Quasi-Experimental Design</i> (3 credits) Spring 2013, Spring 2015, Spring 2016, Spring 2017.
ED_PSYCH 563	<i>Principles of Research</i> (3 credits) Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2017, Spring 2019.
ED_PSYCH 503	<i>Advanced Educational Psychology</i> (3 credits) Spring 2011, Spring 2012, Spring 2014, Spring 2016, Spring 2019.
ED_PSYCH 502	<i>Theoretical Foundations of Learning &amp; Instruction</i> (3 credits) Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015.
ED_PSYCH 574	<i>Educational Psychology Seminar</i> (1 credit) Spring 2012, Spring 2013, Spring 2014, Fall 2014, Fall 2015, Fall 2016.
ED_PSYCH 597	<i>Educational Psychology Internship</i> (3 credits) Summer 2017.

### b) Guest Lectures

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CO_PSYCH 501	<i>Historical and Philosophical Foundations of Counseling Psychology</i> (3 credits) Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015.
EDRES 566	<i>Research Seminar</i> (1 credit) Fall 2010, Fall 2011, Fall 2012.
EDPSY 521	<i>Topics in Educational Psychology</i> (1 credit) Fall 2010, Fall 2011, Fall 2012.



## 8. TEACHING DUTIES AT SIMON FRASER UNIVERSITY

### a) Courses Supervised, Taught or Tutor-Marked

EDUC 220	<i>Introduction to Educational Psychology</i> (3 credits) Fall 2005, Summer 2006, Fall 2006, Fall 2007, Fall 2008, Spring 2009, Fall 2009, Spring 2010, Summer 2010.
EDUC 222	<i>Research Methods in Educational Psychology</i> (3 credits) Spring 2009, Fall 2009.
TECH 114	<i>History and Theory of Technology and Culture</i> (3 credits) Spring 2006.
IAT 201	<i>Usability in Interactive Environments – Human Computer Interaction &amp; Cognition</i> (3 credits); Spring 2005.

### b) Guest Lectures at Simon Fraser University

EDUC 892	<i>Cognitive Tools and Multimedia Learning</i> (5 credits) Spring 2007.
EDUC 851	<i>Perspectives on Technology Suported Learning</i> (5 credits) Spring 2005.
IAT 882	<i>Special Topics in Research Methodologies</i> (3 credits) Spring 2005

## 9. GRADUATE STUDENT SUPERVISION AT WASHINGTON STATE UNIVERSITY

\* indicates I am the Chair of the thesis or dissertation committee

Degree	Program	Student	Progress
Ph. D.	Computer Science Ed.	Carla De Lira	Started Fall 2016
Ph.D.*	Educational Psychology	Katie Barton	Started Fall 2016
Ph.D.*	Educational Psychology	Rachel Wong	Started Fall 2015
Ph.D.*	Educational Psychology	Jose Razo	Started Fall 2016
Ph.D.*	Educational Psychology	Samuel Aina	Started Fall 2017
Ph.D.*	Educational Psychology	Oluwafemi Johnson	Started Fall 2019
Ph.D.	Educational Psychology	Carlos Anguiano	Started Fall 2014
M.A.*	Educational Psychology	Olufunso Oje	Started Fall 2019

Ph.D.	Counseling Psychology	Michael Boggess	To defend Spring 2020
Ph.D.	Counseling Psychology	Sam Haghighi	To defend Spring 2020
Ph.D.*	Educational Psychology	NarayanKripa Sundararajan	Completed Fall 2018
Ph.D.	Computer Science Ed.	Daniel Olivares	Completed Spring 2019
Ph.D.*	Educational Psychology	Jonathan Torres	Completed Spring 2018
Ph.D.	Counseling Psychology	Lindsey Marco	Completed Spring 2018
Ph.D.	Counseling Psychology	Laura Preciado	Completed Spring 2018
Ph.D.	Lang., Literacy & Tech.	Abir El Shaban	Completed Spring 2017
Ph.D.*	Educational Psychology	Nathaniel Hunsu	Completed Fall 2016
Ph.D.*	Educational Psychology	Yahu He	Completed Fall 2016
Ph.D.	Lang., Literacy & Tech.	Jamal Alarbai	Completed Fall 2016
Ph.D.	Counseling Psychology	Adisa Anderson	Completed Fall 2016
Ph.D.*	Educational Psychology	Zhe Wang	Completed Spring 2016
Ph.D.	Computer Science	Adam Carter	Completed Spring 2016
Ph.D.	Lang., Literacy & Tech.	Ahmed Omaar	Completed Spring 2016
Ph.D.	Higher Education	Kelly Newell	Completed Spring 2016
Ph.D.*	Educational Psychology	Joshua Lloyd	Completed Summer 2015
Ph.D.	Counseling Psychology	Amy Buchanan	Completed Spring 2015
Ph.D.	Lang., Literacy & Tech.	Reima Abobaker	Completed Spring 2015
Ph.D.	Lang., Literacy & Tech.	Ibtesam Hussein	Completed Fall 2015
Ph.D.	Lang., Literacy & Tech.	Suda Shaman	Completed Spring 2015
Ph.D.	Lang., Literacy & Tech.	Weiwei Huang	Completed Spring 2015
Ph.D.	Higher Education	Ken Halpin	Completed Spring 2015
Ph.D.	Lang., Literacy & Tech.	Eman Elturki	Completed Spring 2015
Ph.D.*	Lang., Literacy & Tech.	Po Hsuan Chen	Completed Fall 2014
Ph.D.	Chemical Engineering	Abdul Baba	Completed Spring 2014
Ph.D.	Lang., Literacy & Tech.	Sarah Aichia	Completed Spring 2014
Ph.D.*	Educational Psychology	Noah Schroeder	Completed Summer 2013
Ph.D.*	Teaching and Learning	Ani Derderian	Completed Spring 2013
Ph.D.	Lang., Literacy & Tech.	Concong (Penny) Wang	Completed Summer 2012
Ph.D.	Educational Psychology	Antonio Valdivia	Completed Summer 2014

B.A* (McNairScholar) Psychology	Jeanette Perales	Completed Spring 2014	
M.A.*	Educational Psychology	Oluwafemi Johnson	Completed Spring 2019
Ed. M.*	Educational Psychology	Susan Fein	Completed Fall 2018
M.A.	Civil Eng. – Oregon State	Justine Bird	Completed Fall 2017
M. A.*	Educational Psychology	Katie Barton	Completed Spring 2016
M.A.*	Educational Psychology	Lishka Schwab	Completed Spring 2016
M.A.*	Educational Psychology	NarayanKripa Sundararajan	Completed Spring 2015
M.A.	Educational Psychology	Bruce Austin	Completed Fall 2015
M. A.	Lang., Literacy & Tech.	Sarah Debbek	Completed Spring 2015
M.A.	Lang., Literacy & Tech.	Sara Binhossan	Completed Spring 2015
Ed.M.	Educational Leadership	Jia Guo	Completed Spring 2014
M.A.*	Educational Psychology	Carlos Anguiano	Completed Fall 2014
M.S.	Mechanical Engineering	Martin C. Baker	Completed Spring 2013
M.A.*	Educational Psychology	Josh Lloyd	Completed Spring 2013
M.A.*	Educational Psychology	Nan Wang	Completed Spring 2013
M.A.*	Educational Psychology	Anna Marie Limbaugh	Completed Spring 2013
M.Ed.	Educational Psychology	Margarita Vidrio	Completed Spring 2013
M. A.	Counselling Psychology	Josue Guadarrama	Completed Spring 2013
M. A.	School Counselling	Angela Frank	Completed Spring 2013
M. A.	School Counselling	Jessica Triplett	Completed Spring 2013
M. A.	School Counselling	Nicole Schwartz	Completed Spring 2013
M. A.	Counselling	Josue Guadarrama	Completed Fall 2013
M.A.	Educational Leadership	Steven Williamson	Completed Fall 2013
Ed.M.	Educational Leadership	April Boudreaux	Completed Spring 2013
B.A* (McNairScholar) English		Evelyn Quezada	Completed Spring 2013
M.A.*	Educational Psychology	Rachel Barouch Gilbert	Completed Spring 2012
M. A.	Sport Management	Christa Gessaman	Completed Spring 2012
Ed.M.	Curriculum & Instruction	Robyn Willow	Completed Spring 2012
M.A.*	Educational Psychology	Noah Schroeder	Completed Fall 2011
M.A.	Educational Leadership	Diana Ejibe	Completed Fall 2011
M. A.	School Counselling	Amy Smith	Completed Spring 2011

M. A.

School Counselling

Jordan Wolf

Completed Spring 2011

## 10. SERVICE

### a) National/International Service - Editorial Board Membership

2020-date	Associate Editor, <i>Journal of Educational Psychology</i>
2018-date	Senior Associate Editor, <i>Journal of Engineering Education</i>
2015-2018	Associate Editor, <i>Journal of Engineering Education</i>
2016-date	Editorial Board Member, <i>Journal of Educational Psychology</i>
2014-date	Editorial Board Member, <i>Review of Educational Research</i>
2017-date	Editorial Board Member, <i>Contemporary Educational Psychology</i>
2013-date	Editorial Board Member, <i>Frontiers in Educational Psychology</i>
2010-date	Editorial Board Member, <i>Educational Technology Research and Development</i>

### b) National Service - Grant Review Work

National Science Foundation Grant Panel – 2012 - date

Institute of Educational Sciences – 2020 - date

Institute of International Education (IIE) Grant Panel - 2014

### c) National/International Service - Review Work – Adhoc Reviewer (the last 5 years)

Journal	2016	2017	2018*	2019*	2020
<i>Journal of Educational Psychology</i>	6	4	3	8	20
<i>Review of Educational Research</i>	4	6	3	9	5
<i>Learning and Instruction</i>	3	3	2		
<i>Educational Researcher</i>			1		
<i>Journal of Engineering Education</i>	5	24	14	19	14
<i>Educational Psychology Review</i>				3	2
<i>Educational Psychologist</i>					1
<i>Educational Technology Research and Development</i>	2	2	1	1	
<i>British Journal of Educational Psychology</i>		1			1

<i>British Journal of Educational Technology</i>				1	
<i>IEEE / IHE</i>	1				2
<i>Computers in Human Behavior</i>				1	
<i>Contemporary Educational Psychology</i>	1	4	7	2	5
<i>Journal of Educational Computing Research</i>	2	2	1		
<i>Others</i>	1				8
<b>Total Per Year</b>	<b>24</b>	<b>42</b>	<b>32</b>	<b>44</b>	<b>58</b>

#### 2001-2009 American Educational Research Association (AERA)

*Handbook of Collaborative Concept Mapping*

*Association for the Advancement of Computers in Education (AACE)*

*IEEE International Conference on Advanced Learning Technologies (ICALT)*

*IASTED International Conference on Computers & Advanced Technology in Education (CATE)*

*Journal of African Language Teachers Association (JALTA)*

*Pulaar Learners' Reference Grammar Book*

*African Language Program Development & Administration*

*Bamana Learners' Reference Grammar Book*

*Twi Learners' Reference Grammar Book*

#### d) University Service

- 2020 - 2021 Member, Provost's Advisory Committee on Tenure & Promotion, Washington State University-Pullman.
- 2020 – 2024 Member, International Scientific Advisory Board, The Africa Centre of Excellence for Innovative and Transformative STEM Education, LASU-Nigeria.
- 2020 External Reviewers for Tenure & Promotion for 3 Faculty Members at Different Institutions.
- 2020 Member, Search Committee, Associate Professor of Language, Literacy, and Technology, Washington State University-Pullman.
- 2020 Member, Ad Hoc Committee for Full Professor, College of Education, Washington State University-Pullman.
- 2020 Member, Search Committee, Assistant to the Dean, College of Education, Washington State University-Pullman.

2020	Member, Scholarship Committee, College of Education, Washington State University-Pullman.
2019 – 2023	Assistant Chair, Department of Kinesiology and Educational Psychology, Washington State University, Pullman.
2018 – date	Member, College of Education Faculty Affairs Committee (CEFAC), Washington State University, Pullman.
2018 – date	Member, Survey Governance, Washington State University, Pullman.
2017	Facilitator, Provost Leadership Academy
2016-2017	Chair, Search Committee, Assistant/Associate Professor of Educational Psychology, Washington State University-Spokane.
2017-date	Chair, Mentoring Committee for Dr. Chad Gotch
2016-date	Member, Mentoring Committee for Dr. Yong-Chae Rhee and Dr. TaeHo Kim
2015-date	Chair, Mentoring Committee for Dr. Kira Carbonneau and Dr. Zoe Strong
2015-date	Member, Presidential Honorary Doctoral Degrees Committee, Washington State University-Pullman.
2015-date	Chair, University-wide 3MT, Washington State University-Pullman.
2015	Invited Faculty – Interviews for the Dean, Elson S. Floyd College of Medicine, WSU.
2015-2016	Member, Search Committee, Assistant/Associate Professor of Science Education, Washington State University-Pullman.
2014-2015	Member, Search Committee, Assistant/Associate Professor of Educational Psychology, Washington State University-Pullman.
2014-2015	Member, Search Committee, Assistant/Associate/Full Professor of Software Engineering, The School of Electrical Engineering and Computer Science, Washington State University-Pullman.
2014-date	Facilitator, NSF CAREER Grant Workshops with Eligible Faculty, The School of Electrical Engineering and Computer Science, Washington State University-Pullman – How to Write Persuasive Educational Plan.
2014-date	Reviewer, College of Veterinary Medicine Teaching Academy Seed Grant Program, Washington State University-Pullman.
2014-date	Member, Digital Classroom Committee, Washington State University-Pullman.
2014-date	Member, College of Education Grant and Research Advisory Committee, Washington State University-Pullman.
2014-date	Member, TECH-ED Conference Planning Committee, Washington State University-Pullman.
2014-date	Member, Pedagogy Changes Committee, Washington State University-Pullman.
2013-date	Member, Ad hoc ZZUSIS Consultative Committee, Washington State University-Pullman.

2012-2014	Member, International Committee, College of Education, Washington State University-Pullman.
2012-2014	Member, Graduate Studies Committee, College of Education, Washington State University-Pullman.
2012-2013	Member, Search Committee, Assistant Professor of Sport Management, Department of Educational Leadership and Counseling Psychology, College of Education, Washington State University-Pullman.
2011-date	Member, College of Education Diversity Committee, Department of Educational Leadership and Counseling Psychology, Washington State University-Pullman.
2012-2013	Member, Globalization Conference Committee, College of Education, Washington State University-Pullman.
2012-2013	Reviewer, Auvil's Undergraduate Scholarships
2011-date	College of Education, Graduate Student Travel Grants Committee member, Department of Educational Leadership and Counseling Psychology, Washington State University-Pullman.
2011-2012	The World of Educational Research. Invited Presentations for McNair Achievement Program, Washington State University-Pullman.

#### *e) Public Service*

2018 – date	Board Member, Palouse Discovery Science Center
2020	Speaker and Participant, Paint Your Stress Away Program organized by the Division of Student Affairs, WSU
2011-2020	Studies and grants featured in WSU News and Daily Evergreen
2011	<i>Interviewed and contributed a piece in Winter 2011 edition of Washington State Magazine on “How to Get Students’ Attention”</i>
2011	<i>Interviewed on my study titled “Verbal Redundancy” that won an educational psychology award.</i>
1991	<i>Featured in “FACES”, a clapperboard program on Nigerian Television Authority organized by the United Nations of Youth to encourage Nigerian youths on academic and moral issues</i>

## **11. PROFESSIONAL AFFILIATIONS**

- American Educational Research Association (AERA)
  - Division C: Learning and Instruction
  - SIG: Systematic Reviews and Meta-Analysis
  - SIG: Learning Sciences

- SIG: Studying and Self-Regulated Learning
- SIG: Technology Instruction, Cognition and Learning
- SIG: Advanced Technologies for Learning
- SIG: Computer Applications in Education
- SIG: Online Teaching and Learning
- SIG: School Community, Climate and Culture
- SIG: School Indicators and Profiles
- SIG: Tracking and Detracking
- SIG: Bilingual Education Research
- SIG: National Assessment of Educational Progress (NAEP)
  
- American Psychological Association (APA) Division 15: Educational Psychology
- Canadian Society for the Study of Education (CSSE)
- Canadian Association for Educational Psychology (CAEP)
- Technology and Teacher Education (TATE)
- Association for the Advancement of Computing in Education (AACE)
- Canadian Institute for Distance Education Research (CIDER)