

LESA M. COVINGTON CLARKSON

Department of Curriculum and Instruction (CI)
College of Education and Human Development (CEHD)
University of Minnesota, Twin Cities

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Academic Rank

Associate Professor in the Department of Curriculum and Instruction
Senior Graduate Faculty Member

Education

PhD	University of Minnesota, Minneapolis, MN Major: Mathematics Education	2001
MA	California State University, Los Angeles, CA Major: Secondary Curriculum and Instruction	1987
BS	Concordia University, Seward, Nebraska Majors: Mathematics & Physical Education	1980

Current License

Minnesota Teaching License, Mathematics 5 – 12

Positions/Employment

Academic Employment

University of Minnesota, Twin Cities 2012 – present
Department of Curriculum and Instruction, College of Education and Human Development
Associate professor

University of Minnesota, Twin Cities 2003 – 2012
Department of Curriculum and Instruction, College of Education and Human Development
Assistant Professor

University of Minnesota, Twin Cities 2001 – 2003
Department of Curriculum and Instruction, College of Education and Human Development
Presidential Post Doctoral Fellow

Other Academic Employment

University of Minnesota, Twin Cities Center for Applied Research in Educational Improvement Assistant Program Evaluator	2000 – 2001
University of Minnesota, Twin Cities Department of Curriculum and Instruction, College of Education and Human Development Research Assistant	1998 – 2001
Concordia University, Saint Paul, MN Department of Mathematics Assistant Professor	1996 – 2001
Concordia University, Saint Paul, MN Office of the President Director of Diversity and Multicultural Programming	1996 – 1999
Concordia University, Irvine, CA Department of Mathematics Assistant Professor	1988 - 1995

Other Professional Employment

Best Academy Middle School Sixth Grade Mathematics Teacher	2018 – 2020
Saint Paul Public Schools Office of the Superintendent BioSMART Director	2008 – 2009
Los Angeles Unified School District, Los Angeles, CA Mathematics Teacher	1985 – 1988
Los Angeles Unified School District, Los Angeles, CA Mentor Teacher	1987 – 1988
Los Angeles Lutheran High School, Los Angeles, CA Mathematics Teacher	1980 – 1985

Current Membership in Professional Organizations

American Education Research Association (AERA)
Benjamin Banneker Association (BBA)
Minnesota Council of Teachers of Mathematics (MCTM)
National Council of Teachers of Mathematics (NCTM)

HONORS AND AWARDS FOR RESEARCH/CREATIVE WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

University of Minnesota

2023 Outstanding Community Service Faculty Award, University of Minnesota, 2023

This award is the highest honor the University of Minnesota awards to a faculty member for service to the community. The award recognizes the significant contributions made to the community, including building University-community partnerships and programs that benefit students, faculty, staff, and community partners.

Advancing Black Intellectualism (ABI) Award, Common Ground Consortium (CGC), University of Minnesota, 2022. This award recognized the embodiment of the 2022 CGC Conference theme *Advancing Black Intellectualism: Lifting As We Climb*, as well as, support of CGC scholars and/or the general academic spirit of the CGC.

President's Community Engaged Scholar Award, University of Minnesota, 2018

This award recognizes one faculty annually for exemplary engaged scholarship in his/her field of inquiry. The recipient has demonstrated a longstanding academic career that embodies the University of Minnesota's definition of public engagement.

President's Community Engaged Scholar, College of Education and Human Development, 2018

This award recognizes one faculty annually for exemplary engaged scholarship in his/her field of inquiry. The recipient has demonstrated a longstanding academic career that embodies the University of Minnesota's definition of public engagement. There is one recipient per college or campus who then advances to the university competition.

President's Community Engaged Scholar, College of Education and Human Development, 2015

This award recognizes one faculty annually for exemplary engaged scholarship in his/her field of inquiry. The recipients have demonstrated a longstanding academic career that embodies the University of Minnesota's definition of public engagement. There is one recipient per college or campus who then advances to the university competition.

Community Outreach and Engagement Award Faculty Recipient, College of Education and Human Development, 2013

This award is given to recognize eligible faculty involvement in public service and to encourage and emphasize civic engagement as a permanent priority of the CEHD.

Josie R. Johnson Human Rights and Social Justice Award Faculty/Staff Recipient, University of Minnesota, 2011

The Josie R. Johnson Award was established in honor of Dr. Josie R. Johnson in recognition of her lifelong contributions to human rights and social justice, which guided her work with the civil rights movement, years of community service, and tenure at the University of Minnesota. The award honors University of Minnesota faculty, staff, and students who, through their principles and practices, exemplify Dr. Johnson's standard of excellence in creating respectful and inclusive living, learning, and working environments.

IDEA STEM SCRC Fellow, University of Minnesota, 2011

The goal of the Science, Technology, Engineering and Mathematics (STEM) Competitiveness Research Cluster (SCRC) in the Institute for Diversity, Equity, and Advocacy (IDEA) is to contribute to the knowledge base on recruitment, retention, and persistence of underrepresented students in STEM to address the national need for a multicultural STEM workforce.

External Sources

Alumni Lifelong Learner Award, Concordia University, Seward, Nebraska, 2022.

This award recognizes an alumnus of Concordia who has demonstrated a commitment to service through volunteerism and/or significant vocational achievement.

Inspiring Women in STEM Award, Insight Into Diversity, 2016

This national award honors women who inspire the next generation of STEM leaders.

Minnesota Board of Teaching, Higher Education Faculty Member, State of Minnesota: Governor's Office, 2011 – 2017

The Board of Teaching (BOT) provides leadership for improvements in teacher education programs to assure that the state has well-qualified, professional teachers. The BOT determines the standards and practices that will serve the state's teachers and teacher preparation institutions. The Governor appoints 11 members to the Board of Teaching: six classroom teachers, **one higher education faculty member**, one school administrator and three members of the public.

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants and Contracts (\$4,708,587)

External Sources Received at the University of Minnesota (\$4,685,687)

Principal Investigator
3M Foundation
Prepare2Nspire, 2022 – 2023
\$75,000

Principal Investigator
Luther I Replogle Foundation
Prepare2Nspire, 2021 – 2023
\$30,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
National Endowment for the Arts (NEA) Art Works 1
Using Cross-Cultural Fractals to Promote Design and Math Careers for BIPOC Youth in Minnesota, 2023
\$25,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Best Buy Foundation

Bridging the Digital Divide in STEAM through an Immersive Maker Program for Underrepresented Students in North Minneapolis, 2022
\$40,000

Principal Investigator
3M Foundation
Prepare2Nspire, 2021 – 2022
\$75,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Best Buy Foundation
Bridging the Digital Divide in STEAM through an Immersive Maker Program for Underrepresented Students in North Minneapolis, 2021
\$40,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
SDG Research Grant Program
Bridging the Digital Divide in STEAM through an Immersive Local and Global Maker Space 2021
\$4916

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
National Endowment for the Arts (NEA) Art Works 1
Building Bridges to Design and STEAM Careers for Underrepresented Youth in Minnesota, 2019
\$15,000

Principal Investigator
3M Foundation
Prepare2Nspire, 2020 – 2021
\$50,000

Principal Investigator
3M Foundation
Prepare2Nspire, 2019 – 2020
\$75,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
National Endowment for the Arts (NEA)
Building Bridges to Design and STEAM Careers for Underrepresented Youth in Minnesota, 2019 – 2020
\$15,000

Principal Investigator
3M Foundation/Mooty Foundation
Prepare2Nspire, 2018 – 2019
\$75,000

Principal Investigator
3M Foundation/Mooty Foundation
Prepare2Nspire, 2017 – 2018
\$125,000

Principal Investigator
Bryan Mosher, Co-Investigator
Higher Education Services Office
e³ Algebra: Engineering Engaging Eighth Grade Algebra, 2017 – 2018
\$99,007

Principal Investigator
Bryan Mosher, Co-Investigator
Higher Education Services Office
e³ Algebra: Engineering Engaging Eighth Grade Algebra, 2016 – 2017
\$96,000

Principal Investigator
Great Lakes Community Investments
Prepare2Nspire2, 2015 – 2017
\$573,000

Principal Investigator
Bryan Mosher, Co-Investigator
Higher Education Services Office
e³ Algebra: Engineering Engaging Eighth Grade Algebra, 2015 – 2016
\$96,000

Principal Investigator
Great Lakes Community Investments
Prepare2Nspire, 2014 – 2015
\$297,000

Principal Investigator
Bryan Mosher, Co-Investigator
Higher Education Services Office
e³ Algebra: Engineering Engaging Eighth Grade Algebra, 2014 – 2015
\$73,000

Principal Investigator
Bryan Mosher, Co-Investigator
Higher Education Services Office
e³ Algebra: Engineering Engaging Eighth Grade Algebra, 2013 – 2014
\$67,000

Principal Investigator
Great Lakes Community Investments
Prepare2Nspire, 2013 – 2014
\$297,000

Principal Investigator
Karen Oberman, Jane Greenberg, Susan Wellar, Scott

Lanyon, Principal Investigators
National Science Foundation
GK12, 2005 - 2008
\$1,8000,000

Co-Principal Investigator
Frances Lawrenz, Principal Investigator
National Science Foundation
Collaborative Evaluation Communities in Urban Schools, 2005 - 2007
\$599,764

Principal Investigator
Higher Education Services Office
Reaching and Exceeding Mathematics Standards in Grades 2 – 5, 2004
\$43,000

University Sources (\$22,900)

Principal Investigator
University of Minnesota
Summer Multicultural Research Award, 2010
\$6,900

Principal Investigator
Lesley Craig-Unkefer, Principal Investigator
University of Minnesota
Summer Multicultural Research Award, 2007
\$16,000

Unfunded

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
National Science Foundation
A Collaborative Partnership to Develop a STEM Learning Ecosystem for Black, Indigenous, and People of Color (BIPOC) Youth, submitted January 2021
\$7,138,419

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Spencer Foundation
Bridging the Digital Divide in STEAM through an Immersive Maker Program for Underrepresented Students in Minnesota, submitted January 2021
\$75,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
William T. Grant Foundation Inc.
A Collaborative Research-Practice Partnership to Design a STEM Experiential Learning Program for BIPOC Students in Minnesota, submitted September 2020
\$750,000

Principal Investigator
Stefanie Marshall, Principal Investigator
US Department of Energy, Minority Education, Workforce, and Training Program
Energizing a Community's STEM Pipeline, submitted 2019
\$430,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Samuel Mukasa, Co-Principal Investigator
Bush Foundation
Collaborative Planning Process to Develop STEM Experiential Learning for Students of Color and Underrepresented Youth in Minnesota, submitted 2019
\$100,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Samuel Mukasa, Marc Swackhamer & James De Sota, Co-Principal Investigators
National Science Foundation
Collaborative Planning Process to Develop After-School Mobile Maker Program for Students of Color & Underrepresented K-12 Youth in North Minneapolis, submitted 2019
\$186,000

Co-Principal Investigator
Abimbola Asojo, Principal Investigator
Michael Harwell, Co-Principal Investigator
National Science Foundation
Solving Multiplication and Division Word Problems: Helping Teachers Teach and Students Learn,
\$2,000,457

Publications

Refereed Journal Articles

- Forrester, J. V., **Covington Clarkson, L. M.**, & Contreras Gullickson, E. (in press). My brother's keeper: A case study examining a mentoring relationship between African American males. *Journal of the Community Development Society*.
- Forrester J. V., **Covington Clarkson, L. M.**, & Contreras Gullickson, E. (2022). Research-to-practice-to-community-engaged research: Empowering community learners. In Fernández, C., Llinares, S., Gutiérrez, A., & Planas, N. (Eds.) (2022). *Proceedings of the 45th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 4). Alicante, Spain: PME.
<https://web.ua.es/es/pme45/documents/proceedings-pme45-vol4.pdf>
- Covington Clarkson, L. M.**, Forrester J. V., & Contreras Gullickson, E. (2022). "Missionaries" no more: Tutors as beneficiaries in a community-based tutoring program. In Fernández, C., Llinares, S., Gutiérrez, A., & Planas, N. (Eds.) (2022). *Proceedings of the 45th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 4). Alicante, Spain: PME.
<https://web.ua.es/es/pme45/documents/proceedings-pme45-vol4.pdf>

- Forrester, J. V., **Covington Clarkson, L. M.**, & Contreras Gullickson, E. (2021). Steppin' into the future: Connecting BIPOC youth to STEM careers. In W. S. Walker, III, L. A. Bryan, S. S. Guzey, & E. Suazo-Flores (Eds.), *Proceedings of the 7th annual Indiana STEM Education Conference*. Purdue University: Purdue e-Pubs.
<https://doi.org/10.5703/1288284317456>
- Covington Clarkson, L.M.** & Contreras Gullickson, E.A. (2020). Black girl (math) magic: Her voice. *The Lighthouse Almanac*, 3(1), 60 – 67.
- Covington Clarkson, L.M.** & Contreras Gullickson, E.A. (2018). Creating math communities in the neighborhood. *The Lighthouse Almanac*, 2(1), 31-36.
- Ntow, F. D., & **Covington Clarkson, L.M.** (2017). Should I stay or should I go? Persistence in postsecondary mathematics coursework. *The Mathematics Educator*, 26(2). Retrieved from <http://tme.journals.libs.uga.edu/index.php/tme/article/view/416>
- Bowe, A.G., **Covington Clarkson, L.M.**, Desjardins, C.D., Lawrenz, F. (2015). Urban elementary single-sex math classrooms: Mitigating stereotype threat for African American girls. *Urban Education*, 32(3), 370-398.
- Covington Clarkson, L. M.**, Ntow, F. D., Tackie, N. A. (2014). Negotiating the opportunity gap with a peer tutoring framework. *International Journal of Science Commerce and Humanities*, 2(8), 98-111.
- Covington Clarkson, L.M.** & Robinson Johnstone, J. (2011). When the African-centered paradigm is not enough: Lessons from an urban charter school. *Journal of Negro Education* 80(2), 108 – 120.
- Lawrenz, F., Thomas, K. Huffman, D., & **Covington Clarkson, L.M.** (2011). Evaluation capacity building in the schools: Administrator-led and teacher-led perspectives. *Canadian Journal of Program Evaluation*, 23(3), 61 – 82.
- Chahine, I. & **Covington Clarkson, L.M.** (2010). Improving instruction through an inquiry model: A case study of elementary mathematics teachers. *Journal of Urban Mathematics Education*, 3(1), 82 – 97.
- Covington Clarkson, L.M.** (2008). Demographic data and immigrant achievement. *Theory into Practice*, 47(1), 20 – 26.
- Covington Clarkson, L.M.** (2007). Building confidence with calculators. *Educational Leadership*, 65(3), 72 – 73.
- Covington Clarkson, L.M.**, Robelia, B., Chahine, I., Fleming, M., Lawrenz, F., (2007). Rulers of different colors: Inquiry into measurement. *Teaching Children Mathematics*, 14(1), 34 – 39.
- Covington Clarkson, L.M.** & Craig-Unkefer, L. (2007). Reforming mathematics to meet the needs of exceptional learners. *Journal of Mathematics Education Leadership*, 9(2), 13 – 15.
- Huffman, D., Lawrenz, F., Thomas, K. & **Covington Clarkson, L.M.** (2006). Collaborative evaluation communities in urban schools: A model of evaluation capacity building in STEM education. *New Directions in Evaluation*, 106, 73 – 85.
- Covington Clarkson, L.M.** & Taylor, R. (2005). Mathematical leadership needed to close achievement gaps. *Journal of Mathematics Education Leadership*, 8(2), 4 – 5.

Book Chapters

- Asojo, A.O., **Covington Clarkson, L.M.** & Vo, H (2023). Bridging the digital divide in design and math through an immersive maker program for underrepresented students. In Hsueh-Chih C. & Jon-Chao H. *Pedagogy, Learning, and Creativity* (ISBN 978-1-80356-666-5). In-Tech. <https://www.intechopen.com/online-first/87271>
- Covington Clarkson, L. M.**, Forrester, J. V., & Contreras Gullickson, E. (2023).

- Prepare2Nspire: A community engaged social justice mathematics project. In J. Etim & A. Etim (Eds.), *Handbook of Research on Solutions for Equity and Social Justice in Education* (pp.246 – 262). IGI Global. <https://doi.org/10.4018/978-1-7998-9678-4.ch014>
- Contreras Gullickson, E.A. & **Covington Clarkson, L.M.** (2022). Prepare2Nspire: Effects of a near-peer tutoring program. In *Count Me In: Community and Belonging in Mathematics (Vol. 68)*. American Mathematical Association.
- Baldinger, E.E., Staats, S.K., **Covington Clarkson, L.M.**, Contreras Gullickson, E.A., Norman, F., Akoto, B. (2021). Returning voice to the ‘silent M:’ A review of conceptions of mathematics in integrated STEM education. In *Integrated Approaches to STEM Education: An International Perspective*. Springer.
- Covington Clarkson, L. M.**, Love, Q.U., & Ntow, F. D. (2017). How confidence relates to achievement: A new framework. *Proceedings of the Ninth International Mathematics Education and Society Conference*. (Volume 2, pp. 441 – 451). Volos, Greece: University of Thessaly Press.
- Covington Clarkson, L.M.**, Ntow, F.D., Chidhachack, S. & Crotty, B. (2014). Falling through the cracks: Undergraduate students’ mathematics classroom experience. In W. W. K. Ma, A. H. K. Yuen, J. Park, W. W. F. Lau, & L. Deng (Eds.), *New Media, Knowledge Practices and Multiliteracies* (Part III, pp.115-121). Singapore: Springer.
- Covington Clarkson, L.M.**, Ntow, F. & Chidtachack, S. (2013). Prepare2Nspire: Mentoring and tutoring mathematics in an urban setting. In *Impact & Effectiveness of Developmental Relationships*. Albuquerque, NM: Mentoring Institute.
- Covington Clarkson, L.M.** & Seashore Louis, K. (2007). Leadership for curriculum change: Principals engaged in “closing the gap”. In A.Danzig (Ed.), *Curriculum Leadership*, (pp. 111-130). Hillsdale, NJ: Lawrence Erlbaum.
- Covington Clarkson, L.M.** (2001). Sufficiently challenged: A family’s pursuit of a Ph.D. In R. Obakeng and A.L. Green (Eds.), *Sisters of the Academy*, (pp 160-173). Sterling, VA: Stylus Publications.
- Covington Clarkson, L. M.** (2002). Correlation to NCATE and INTASC. In B. R. Bridges & L.M. Covington Clarkson, *Praxis Guide for Slavin*, (pp.40 -74). New York: Allyn and Bacon.

Evaluation, Project and Technical Reports

- Covington Clarkson, L.M.** (2017). *Prepare2Nspire2: Final report*.
- Covington Clarkson, L.M.** (2017). *e³Algebra: Engineering engaging eighth grade algebra in urban settings: Final report*.
- Covington Clarkson, L.M.** (2016). *e³Algebra: Engineering engaging eighth grade algebra in urban settings: Final report*.
- Covington Clarkson, L.M.** (2015). *Prepare2Nspire: Final report*.
- Covington Clarkson, L.M.** (2009). *GK12: Final report*.
- Covington Clarkson, L.M.** & Weller, S. (2009). *GK12: Final report*.
- Covington Clarkson, L.M.** (2005). *Reaching and exceeding mathematics standards in grades 2 – 5: Final report*.
- Covington Clarkson, L.M.** (2004). *The implementation of the Interactive Mathematics Project (IMP) for the Anoka Hennepin School District: Final report*.
- Covington Clarkson, L.M.** (2002). *The implementation of the Interactive Mathematics Project (IMP) for the Anoka Hennepin School District*.

Covington Clarkson, L.M. and Fraunholtz, T. (1999). *MASP)² Mentorship evaluations*.

Curriculum Materials

Covington Clarkson, L.M. (2019). Sixth grade mathematics quizzes and assessments. Available upon request.

Covington Clarkson, L.M., & Haaland, L. (2011). Mathematics: Grades 3 – 6 in *Its Testing Time*. Available at <http://www.ppnie.com>

Covington Clarkson, L.M. & Haaland, L. (2011). 2011 MCA-III countdown: Grade 3, 3rd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2011). 2011 MCA-III countdown: Grade 4, 3rd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2011). 2011 MCA-III countdown: Grade 5, 3rd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2011). 2011 MCA-III countdown: Grade 6, 3rd edition. Available at <http://www.the.center.spps.org/math3>

Haaland, L., **Covington Clarkson, L.M.**, Saatzer, L. (2008). Mathematics: Grades 3 – 6 in *Its Testing Time*. Available at <http://www.ppnie.com>

Covington Clarkson, L.M. & Haaland, L. (2007). 2007 MCA-II countdown: Grade 3, 2nd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2007). 2007 MCA-II countdown: Grade 4, 2nd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2007). 2007 MCA-II countdown: Grade 5, 2nd edition. Available at <http://www.thecenter.spps.org/math3>

Covington Clarkson, L.M. & Haaland, L. (2007). 2007 MCA-II countdown: Grade 6, 2nd edition. Available at <http://www.the.center.spps.org/math3>

Submitted

Norman, F. & **Covington Clarkson, L.M.** Equity and Excellence Framework: Planning student centered social justice mathematics lessons. *Philosophy of Mathematics Education Journal*.

In Preparation

Covington Clarkson, L.M. *Eighth grade algebra? YES!*

Covington Clarkson, L.M., Forrester, J.V., & Contreras Gullickson, E. *Voices from a community tutoring program*.

Presentations, Posters, and Exhibits

Referred Presentations at National/International Professional Meetings/Conferences

Forrester J. V., **Covington Clarkson, L. M.** (2023, July). *Cultivating mathematical proficiencies and identities through culturally and community inspired activities*. 12th Mathematics Education and Society Conference. Sao Paulo, Brazil.

Forrester J. V., **Covington Clarkson, L. M.**, Contreras Gullickson, E. (2022, July). *Research-to-practice-to-community-engaged research: Empowering community learners*. International Group for the Psychology of Mathematics Education. Alicante, Spain.

Covington Clarkson, L. M., Forrester J. V., Contreras Gullickson, E. (2022, July).

- “Missionaries” no More: Tutors as beneficiaries in a community-based tutoring program.* International Group for the Psychology of Mathematics Education. Alicante, Spain.
- Contreras Gullickson, E.A., & **Covington Clarkson, L.M.** (2022, April). *Exploring identity emergings of middle and high school students in formal and informal mathematics spaces.* American Educational Research Association. San Diego, California.
- Asojo, A.O., Vo, H., **Covington Clarkson, L.M.** & Lekan-Kehinde, M. (2022, March). *Bridging the digital divide in interior design through an immersive maker program for underrepresented students.* 2022 Interior Design Educators Council Conference. New York, New York (virtual).
- Forrster, J., **Covington Clarkson, L.M.** & Contreras Gullickson, E.A. (January, 2022). *Steppin' iInto the future: Connecting BIPOC youth to STEM careers.* Indiana STEM Education Conference, West Lafayette, IN.
- Contreras Gullickson, E.A. & **Covington Clarkson, L.M.** (2021, September). *Empowering middle and high school girls in building their mathematics identity.* National Council of Teachers of Mathematics National Conference, San Diego, CA. [Conference canceled]
- Asojo, A. O., Vo, H. & **Covington Clarkson, L.M.** (2020, October). *Virtual building bridges to STEAM/STEM careers for minority students summer camp.* Virtual presentation. Interior Design Educators Council (IDEC) 2020 Virtual Fall Symposium.
- Contreras Gullickson, E.A. & **Covington Clarkson, L.M.** (2020b, April). *100 (or so) One hundred grid activities for the algebra student.* National Council of Teachers of Mathematics National Conference, Chicago, IL. [Conference canceled]
- Covington Clarkson, L.M.** & Contreras Gullickson, E.A. (2020a, April). *Black is positive: Using game play to increase number fluency.* National Council of Teachers of Mathematics National Conference, Chicago, IL. [Conference canceled]
- Contreras Gullickson, E.A. & **Covington Clarkson, L.M.** (2019, July). *Interrogating equity and pedagogy: Access to mathematics in an informal learning space.* Conference of the International Group for the Psychology of Mathematics Education 43, Pretoria, South Africa.
- Covington Clarkson, L.M.** (2019, April). *Black girl (math) magic: Multi-level narratives of success.* National Council of Teachers of Mathematics National Conference, San Diego, CA.
- Covington Clarkson, L.M.** (2018, May). *Name that polygon: Geometry meets algebra.* Minnesota Council of Teachers of Mathematics National Conference, Duluth, MN.
- Livstrom, I.C., Crotty, E.A., & **Covington Clarkson, L.M.** (2018, May). *Reimagining females of color through mathematics communities of practice.* 14th International Congress of Qualitative Inquiry (ICQI), Urbana, Illinois.
- Livstrom, I.C., Crotty, E.A., & **Covington Clarkson, L.M.** (2018, February). *Transformative communities of mathematics practice as constructed and described by females of color.* Ethnographic and Qualitative Research Conference (EQRC), Las Vegas, Nevada.
- Covington Clarkson, L.M.** (2017, April). *Name that polygon.* National Council of Teachers of Mathematics National Conference, San Antonio, TX.
- Covington Clarkson, L.M.**, Love, Q.U., & Ntow, F.D. (2017, April). *How confidence relates to achievement: A new framework.* Mathematics Education and Society, Volos, Greece.
- Covington Clarkson, L.M.** (2017, March). *Prepare2Nspire.* Teachers Teaching with Technology (T3) International Conference, Chicago, IL.
- Ntow, F.D. & **Covington Clarkson, L.M.** (2016, July). *What does it mean to belong? High school students' sense of belonging in mathematics classrooms.* 13th International Congress on Mathematical Education, Hamburg, Germany.

- Covington Clarkson, L.M.** (2015b, November). *Assessing algebra in urban classrooms*. National Council of Teachers of Mathematics Regional Conference, Minneapolis, MN.
*Featured speaker
- Covington Clarkson, L.M.** & Ntow, F. D. (2015a, November). *Prepare2Nspire: Mathematical learning communities*. National Council of Teachers of Mathematics Regional Conference, Minneapolis, MN.
- Ntow, F. D., Tackie, N. A., & **Covington Clarkson, L.M.** (2015, July). *An investigation into how tutors make use of their mathematics experiences to support tutees' learning*. Annual Meeting of the International Group for the Psychology of Mathematics Education. Hobart, Tasmania, Australia.
- Covington Clarkson, L.M.**, Chidhachack, S., Crotty, B. & Ntow, F. D. (2015, June). "Not just math:" *High school students evaluate the impact of an urban mathematics program*. Infinite Possibilities Conference, Oregon State University, Corvallis, OR.
- Covington Clarkson, L.M.**, Ntow, F.D., Chidhachack, S., & Crotty, B. (2014, July). *Preparing urban mathematicians*. Psychology of Mathematics Education North American Chapter, University of British Columbia, Vancouver, Canada.
- Covington Clarkson, L.M.**, Ntow, F.D., and Chidhachack, S. (2013, November). *Prepare2Nspire: Mentoring and tutoring mathematics in an urban setting*. University of New Mexico: Mentoring Conference Paper. Albuquerque, NM.
- Covington Clarkson, L.M.** & Love, Q.U. (2013, April). *The panoramic view of eighth grade algebra*. National Council of Teachers of Mathematics, Denver, CO.
- Love, Q.U. & **Covington Clarkson, L.M.** (2013, April). *Toward a unified multidimensional parental involvement framework*. American Educational Research Association, San Francisco, CA.
- Covington Clarkson, L.M.** & Robinson Johnstone, J. (2011, July). *Understanding the eighth grade algebra experience*, 3rd Paris International Conference on Education, Economy & Society, Paris, France.
- Wellar, S.J., **Covington Clarkson, L.M.**, Williams, K., Oberhauser, K. (2011, November). *Fostering sustainable graduate student engagement in k – 12 education*. Entomological Society of America Annual Meeting, Reno, NV.
- Covington Clarkson, L.M.** (2009, March). *Algebra and the achievement gap, part 2*. National Council of Teachers of Mathematics, Washington, DC.
- Watkins, T., **Covington Clarkson, L.M.**, Arens, S., & Borman, G. (2009, November). *Balanced evaluation in urban secondary magnet programs*. American Evaluation Association, Orlando, FL.
- Wellar, S.J., **Covington Clarkson, L.M.**, Fischer, D., Lanyon, S., Oberhauser, K., Williams, K., (2008, November). *Infusing insect science into K6 curriculum: Lessons from inner city schools*. A paper presented by Entomological Society of America Annual Meeting, Reno, NV.
- Covington Clarkson, L.M.** (2008, October). *More collaborative evaluation communities in reform mathematics classrooms*. American Evaluation Association, Denver, CO.
- Covington Clarkson, L.M.** (2008, March). *Algebra and the achievement gap*. National Council of Teachers of Mathematics, Salt Lake City, UT.
- Struss, H., Nelson, R.K., Fischer, D.J., **Covington Clarkson, L.M.** & Lawrenz, F. (2007, April). *Sustainability of a university – school project*. American Education Research Association, Chicago, IL.
- Covington Clarkson, L.M.** & Taylor, B.R. (2007, March). *Visionary inspired leadership leading to achievement gap elimination (VILLAGE)*. National Council of Supervisors of Mathematics, Atlanta, GA.
- Covington Clarkson, L.M.** (2007, March). *Making calculus elementary: Using*

- technology in a sixth-grade class*. National Council of Teachers of Mathematics, Atlanta, GA.
- Chahine, I. & Covington Clarkson, L.M. (2007, March). *The role of collaboration in shifting elementary teachers' self-efficacy*. National Council of Teachers of Mathematics, Atlanta, GA.
- Covington Clarkson, L.M. (2006, October). *Collaborative evaluation communities in reform mathematics classrooms*. American Evaluation Association National Conference, Portland, OR.
- Covington Clarkson, L.M. (2006, April). *Curriculum leadership for reform: The case of Connected Mathematics Project schools*. American Education Research Association National Conference, San Francisco, CA.
- Covington Clarkson, L.M. (2006a, April). *"Start here" strategies leaders can use to close achievement gaps*. National Council of Teachers of Mathematics, St. Louis, MO.
- Thomas, K., Covington Clarkson, L.M. (2006b, April). *Building collaborative evaluation communities*. National Council of Teachers of Mathematics Research Pre-conference, St. Louis, MO.
- Covington Clarkson, L.M. (2005, November). *Leaving No Child Behind in elementary mathematics in St. Paul*. Council of the Great City Schools, Atlanta, GA.
- Covington Clarkson, L.M. (2005, April). *Practical ideas from research and experience for closing racial achievement gaps in mathematics*. National Council of Supervisors of Mathematics, Anaheim, CA.
- Covington Clarkson, L.M. (2004a, November). *Reaching and exceeding mathematics standards in Grades 2 – 5*. National Council of Teachers of Mathematics Regional Conference, Minneapolis, MN.
- Covington Clarkson, L.M., Taylor, R. and Yussen, S. (2004b, November). *Closing the achievement gap in mathematics*. Council of the Great City Schools, Las Vegas, NV.
- Covington Clarkson, L.M. (2003, April). *Curriculum leadership for reform: The case of Connected Mathematics Project schools*. American Education Research Association National Conference, Chicago, IL.
- Covington Clarkson, L.M. (2002, April). *The effects of The Connected Mathematics Project in a midwestern urban school district*. American Educational Researchers Association National Conference, Las Vegas, NV.
- Covington Clarkson, L.M. (2001, April). *Sufficiently challenged: A family's pursuit of a Ph.D.* American Educational Researchers Association National Conference, Seattle, WA.
- Covington Clarkson, L.M. (1999, November). *Reform mathematics and middle school mathematics achievement*. American Evaluation Association National Conference, Orlando, FL.

Invited Presentations at National/International Professional Meetings/Conferences

- Covington Clarkson, L.M. (2005). *Looking through a governance lens: Foundational understandings of literacy and mathematics*. Presentation made at the National Alliance of Black School Educators. Detroit, MI.

Referred Presentations at State/Local Professional Meetings/Conferences

- Asojo, A. O. & Covington Clarkson, L.M. (2022, November). *Bridging the digital divide in design through an immersive maker space program*. 2022 AIA Minnesota Conference on Architecture. Minneapolis, Minnesota.
- Covington Clarkson, L.M., Marshall, S. Upadyhay, B. (2022, March). *Can you see me*

- now?: Narratives of Racism in an R1 Institution*. Keeping our Faculty Symposium, University of Minnesota. Minneapolis, MN.
- Covington Clarkson, L.M.** & Norman, F. (2022a, April). *Everyday Equity and Excellence Framework for socially responsive mathematics*. Minnesota Council of Teachers of Mathematics (MCTM). Duluth, Minnesota.
- Norman, F. & **Covington Clarkson, L.M.** (2022b, April). *Mathematics identity*. Minnesota Council of Teachers of Mathematics (MCTM). Duluth, Minnesota.
- Asojo, A. O., **Covington Clarkson, L.M.** & Vo, H. (2021, November). *Building bridges to design and STEAM careers for BIPOC youth in Minnesota*. 2021 AIA Minnesota Conference on Architecture. Minneapolis, Minnesota (Virtual).
- Covington Clarkson, L.M.** (2021, May). *Sufficiently challenged in the academy*. Common Ground Consortium Conference, University of Minnesota, Minneapolis, MN.
- Covington Clarkson, L.M.**, Contreras Gullickson, E., & Forrester, J. (2020, March). *Community engaged research in urban settings*. Presentation made at Community Engaged Research Conference. Minneapolis, MN.
- Everhart, B. & **Covington Clarkson, L.M.** (2020, April). *Blind spots and implicit bias*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota. [Conference canceled]
- Everhart, B. & **Covington Clarkson, L.M.** (2020, April). *Identity and experiences*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota. [Conference canceled]
- Everhart, B. & **Covington Clarkson, L.M.** (2020, April). *A culturally sensitive classroom is possible*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota. [Conference canceled]
- Everhart, B. & **Covington Clarkson, L.M.** (2019, April). *Blind spots and implicit bias*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota.
- Everhart, B. & **Covington Clarkson, L.M.** (2019, April). *Identity and experiences*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota.
- Everhart, B. & **Covington Clarkson, L.M.** (2019, April). *A culturally sensitive classroom is possible*. Minnesota Council of Teachers of Mathematics. Duluth, Minnesota.
- Covington Clarkson, L.M.**, Livstrom, I.C., & Gullickson, E. (2017, November). *Prepare2Nspire: Creating confidence, competence, culture and communication in STEM*. Capturing Imaginations: Building Skills: 2nd Biennial STEM & Afterschool Conference. Saint Paul, Minnesota.
- Covington Clarkson, L.M.** (2015, February). *Prepare2Nspire: A chance to rediscover mathematics!* Missing Voices Equity in Education Conference. Minneapolis, MN.
- Covington Clarkson, L.M.**, Chidhachack, S., Crotty, B. & Ntow, F.D. (2014). *Building diverse communities*. Minnesota STEM Network Conference. St. Paul, MN.
- Covington Clarkson, L.M.**, Chidhachack, S., Crotty, B. & Ntow, F.D. (2014). *Prepare2Nspire: Urban mathematics communities*. University of Minnesota College of Education and Human Development Research Day. *Winner of People's Choice Award for Diversity and Globalization
- Covington Clarkson, L.M.**, Chidhachack, S., Ntow, F.D., & Crotty, B., (2013, August). *Mathematics in multicultural context*. University of Minnesota STEM Colloquium, St. Paul, MN.
- Covington Clarkson, L.M.** (2013, May). *Preparing and nspiring*. Minnesota Council of Teachers of Mathematics. Duluth, MN.
- Covington Clarkson, L.M.** (2012, April). *Accessing algebra in Minnesota*. Minnesota Council of Teachers of Mathematics. Duluth, MN.
- Covington Clarkson, L.M.** (2012, January). *One hundred (or so) uses of the 100 grid*. Minnesota Council of Teachers of Mathematics. Duluth, MN.

- Covington Clarkson, L.M.** (2012, January). *Accessing algebra*. South Dakota Council of Teachers of Mathematics. Huron, SD.
- Covington Clarkson, L.M.** (2012, January). *One hundred (or so) uses of the 100 grid*. South Dakota Council of Teachers of Mathematics. Huron, SD.
- Seeley, C. & **Covington Clarkson, L.M.** (2011, January). *Reshaping school mathematics for the 21st century*. Urban Leadership Academy. Minneapolis, MN.
- Covington Clarkson, L.M.**, Stohlmann, M., Breit-Goodwin, M. (2010, November). *Mathematics in urban settings*. Frontier's in Racial Equity Conference. Minnesota Minority Education Partnership, Minneapolis, MN.
- Covington Clarkson, L.M.**, Wyberg, T. & Taylor, B.R. (2007, April). *Addressing the achievement gap: Algebra every year for every student*. Minnesota Council of Teachers of Mathematics State Conference, Duluth, MN.
- Taylor, B.R. & **Covington Clarkson, L.M.** (2006, November). *High-stakes testing, achievement gaps, and graduation rates*. Minnesota Council of Teachers of Mathematics State Conference, Lakeville, MN.
- Taylor, B.R. & **Covington Clarkson, L.M.** (2006, November). *Visionary inspired leadership leading to achievement gap elimination (VILLAGE)*. Minnesota Council of Teachers of Mathematics State Conference, Lakeville, MN.
- Covington Clarkson, L.M.** (2005, April). *Reaching and exceeding expectations: One charter school's story*. Minnesota Council of Teachers of Mathematics State Conference, Duluth, MN.
- Covington Clarkson, L.M.** and Rezac, L.M. (2004, April). *Reaching and exceeding mathematics standards in grades 2 – 5: Participant recruitment*. Minnesota Council of Teachers of Mathematics State Conference, Duluth, MN.
- Covington Clarkson, L.M.** (2003, November). *Reaching and exceeding expectations: One charter school's story*. Minnesota Department of Education Partnering for Success Conference, Minneapolis, MN.
- Covington Clarkson, L.M.** (2002, October). *Implementing Everyday Mathematics in an urban charter school*. Minnesota Council of Teachers of Mathematics State Conference, Apple Valley, MN.
- Covington Clarkson, L.M.** (2002, October). *Statistics in the elementary classroom*. Minnesota Council of Teachers of Mathematics, Apple Valley, MN.
- Covington Clarkson, L.M.** (2002, April). *Using the TI-73 in middle school mathematics*. Minnesota Council of Teachers of Mathematics, Duluth, MN.
- Covington Clarkson, L.M.** (2001, October). *Statistics in the elementary classroom*. Minnesota Council of Teachers of Mathematics, North St. Paul, MN.
- Covington Clarkson, L.M.** (2001, April). *Using the graphing calculator in middle school statistics*. Minnesota Council of Teachers of Mathematics, Duluth, MN.

Invited Presentations at State/Local Professional Meetings/Conferences

- Covington Clarkson, L.M.** (2019, April). *The new STEM. Keynote: Ignite Speaker*. Presentation made at Minnesota Council of Teachers of Mathematics, Duluth, MN.
- Covington Clarkson, L.M.** (2016, January). *Sufficiently challenged: Enormously blessed*. Concordia University Martin Luther King, Jr. Speaker Series. Seward, NE.
- Covington Clarkson, L.M.** (2013, April). *Mathematics in urban settings*. Presentation made at Augsburg College, Minneapolis, MN.
- Covington Clarkson, L.M.** (2010, June). *Grids, graphs, and great mathematics*. Presentation made at the South Dakota Teachers Professional Development, Sioux Falls, SD.
- Covington Clarkson, L.M.** (2006, August). *MATHELP in Minneapolis or*

- calculating the cost of packing parachutes*. Presentation made at the Minneapolis Mathematics Teachers Fall District Development, Minneapolis, MN.
- Covington Clarkson, L.M.** (2006, January). *Math for diverse learners*. Presentation at the Columbia Heights Public Schools District Inservice Day, Columbia Heights, MN.
- Covington Clarkson, L.M.** (2005). *Leaving No Child Behind in Mathematics*. Saturday Scholars, University Of Minnesota, Minneapolis, MN.
- Covington Clarkson, L.M.** (2004). *Reaching and exceeding expectations: One charter school's story*. University of Minnesota Poster Presentation, College of Education and Human Development, Minneapolis, MN.
- Covington Clarkson, L.M.** (2004). *Mathematics in the Minneapolis School District: What about early preparations at home*. Minneapolis School District Conference, Minneapolis, MN.
- Covington Clarkson, L.M.** (2003). *Education and architecture: Reflections of culture and civilization*. American Institute of Architects National Conference, Minneapolis, MN.
- Covington Clarkson, L.M.** (2002). *Research in CMP*. MASP² Second Saturday Seminar, Roseville, MN.
- Covington Clarkson, L.M.** (1999). *The ABCs of introductory statistics using the graphing calculator*. Lutheran High Schools Teachers' Conference, ALSS-Central Region Regional Conference, St. Louis, MO
- Covington Clarkson, L.M.** (1998). *Mathematics and your future*. Learn and Earn Program, Central High School, St. Paul, MN.

Other Key Activities, Media, and Accomplishments

Covington Clarkson, L.M., Norman, F. (2023). *An Equity and Excellence Framework for mathematics in Minnesota*. March 31, 2023. <https://www.mctmmathbits.org/?p=3956>

Featured on Minnesota Public Radio (MPR), MPR News with Angela Davis: Tutoring boosts students after the pandemic 'teaching loss.' October 2022.
<https://www.mprnews.org/episode/2022/10/03/tutoring-boosts-students-after-the-pandemic-teaching-loss>

Featured on the Celebrating Women's History Month Webinar, Alumni Panel from Concordia University, Seward, Nebraska, May 2022.
<https://www.facebook.com/concordianebraska/posts/10158538581763110>
<https://youtu.be/mKP1Bd4F1Rk>

Burton Brief article with Martha Bigelow, March 2021.

Featured on the Mom Enough Podcast, *Inspiring your children to love math: A conversation with Professor Lesa Clarkson from the U of M's College of Education and Human Development*. June 25, 2018.
<http://momenough.com/?s=clarkson&x=0&y=0>

Featured as a video interview with the African American Registry.
<http://www.aaregistry.org/videos/view/treasured-classroom-moments-dr-lesa-clarkson>

Interviewed by the Star Tribune, about the 2011 MCA-III test scores, Statewide math scores disappointing. September 15, 2011. <http://www.startribune.com/local/129794288.html>

Interviewed on WCCO Radio, HINESight by Esme Murphy, about MCA-III test scores. *MCA test scores declined in math. How can we resolve it?*. September 14, 2011.

http://minnesota.cbslocal.com/?podcast_url=http%3A%2F%2Fwww.podtrac.com%2Fpts%2Fdirect.mp3%2Fnyc.podcast.play.it%2Fmedia%2Fd0%2Fd0%2Fd0%2FdY%2FdP%2Fd8%2Fd8%2FYYP88_3.MP3%3Fauthok%3D5561572900067891729_goknhn5b7QcCpGcH4NoFgGOhdU&podcast_name=9-14-11+-+HINESight+-+9+PM&podcast_artist=Esme+Murphy&station_id=82&tag=hinesight&dcid=CBS.MINN

Covington Clarkson, L.M. and Taylor, R. (2004). Letter to the editor. *National Council of Supervisors of Mathematics Newsletter*, vol. 34, number 4, p. 29.

TEACHING AND CURRICULUM DEVELOPMENT

University of Minnesota

Courses

CI 5822	Math Instruction for the Elementary Grades
CI 8132	Curriculum and Instruction Core: Teaching Theory and Research
CI 8571	Equity, Policy and Social Justice in STEM Education
EDHD 5007	Technology for Teaching and Learning
MthE 5101	Teaching Elementary School Mathematics
MthE 5171	Teaching Problem Solving
MthE 5172	Teaching Probability and Statistics
MthE 5313	Teaching Mathematics in the Middle School
MthE 5314	Teaching and Learning Mathematics
MthE 5355	Mathematics for Diverse Learners
MthE 8571	Research in Mathematics Education
MthE 8591	Seminar: Mathematics Education in Urban Settings

Unassigned Teaching Duty/Collaborative Efforts and Activities

GK-12 Weekly Seminar	2005 – 2007
GK-12 Summer Seminar	2005 – 2007
Guest speaker in CI 8134	2018, 2019, 2020, 2021

ADVISING AND MENTORING

Completed PhD Advisees

Forrester, Jessica (2022). *Equity, joy, and genius: Creating community-inspired mathematics activities for an after-school tutoring program*. First position: Post doctoral fellowship, University of Virginia.

Norman, Fawnda (2021). *Mathematics experiences of preservice elementary teachers and the impact on mathematics identity and teacher mathematics*. First position: Assistant Professor, University of Wisconsin, Oshkosh.

Contreras Gullickson, Elena (2020). *Identity in mathematics spaces for middle and high school*

- students: A case study to the revealing of identities in formal and informal mathematics spaces.* First position: STEM Coordinator, Harvest Best Academy, Minneapolis, MN.
- Rizkallah, Mohammed (2017). *The impact of problem-based learning on non-science undergraduate students' attitudes towards mathematics in an Egyptian classroom.* First position: Assistant Professor, American University, Egypt.
- Ntow, Forster (2015). *An investigation into the influence of an out-of-school learning program on high school students' mathematics identity formation.* First position: Post-doctoral fellowship, South Africa.

Completed PhD Co-Advisees

- Crotty, Elizabeth (2018). *Understanding the ways in which teacher leadership teams influence STEM integration in emerging STEM schools.* (Co-adviser with Gillian Roehrig) First position: Post doctoral fellowship, University of Minnesota.
- Whipple, Kyle (2018). *LGBTQ secondary mathematics educators: Their identities and their classrooms.* (Co-adviser with Bhaskar Upadhyay). First position: Assistant Professor, University of Wisconsin Eau Claire.
- Tackie, Nii(2016). *An investigation into three core practices in a standards-based elementary mathematics methods class: The case of six preservice teachers* (Co-adviser with Kathleen Cramer) First position: University of Louisiana, Lafayette, LA.
- Chahine, Iman (2008). *The effects of using Rational Number Project Level 1 curriculum on the acquisition of basic fraction concepts* (Co-adviser with Tom Post). First position: University of Georgia, Atlanta, GA.

Completed PhD Committees

Ebony Adedayo	2022
Jasmine Ernest	2021
Illana Livstrom	2020
Brad Johnson	2019
Danielle Becker	2019
Kyle Wagner	2019
Allison Kiss	2018
Leila Jones	2017
Sousada Chidhachack	2014
Sandra Moran Pulles	2016
Rebecca Kanive	2016
Laura Fox	2016
Elizabeth Fry	2017
Anelise Sabbag	2016
Quintin Love	2014
Andrew Zieffler	2006
Jerika Johnstone	2008
Brenda Tiefenbruck	2007
Ann Herlofsky	2005

Completed Master of Arts Advisees

- Schneck, Anna (2010). *Examining impact of combined interventions: The effects of after-school peer tutoring programs in mathematics.*
- Fischer, David (2008). *Out queer males in the high school mathematics classroom.*

Stodolka , Anne (2005). *The predictive validity of early numeracy subtests on the Minneapolis Preschool Screening Instrument-Revised to the Beginning of Kindergarten Assessment.*

Completed Master of Arts Committee

Sabbag, Anelise (2013). *A psychometric analysis of the Goals and Outcomes Associated with Learning Statistics (GOALS) instrument.*

SERVICE AND PUBLIC OUTREACH

Service To The State of Minnesota

Committee memberships

State of Minnesota Mathematics Standards Bias Review Committee	2023
State of Minnesota Mathematics Standards Specification Writing Committee	2022 – present
State of Minnesota ESSA Educator Quality Committee	2016 – 2017
State of Minnesota Board of Teaching Executive Committee	2012 – 2017
State of Minnesota Board of Teaching, Higher Education Representative	2011 – 2017
State of Minnesota Mathematics Standards Writing Committee	2002 - 2003
State of Minnesota Mathematics Standards Committee [Chair grades 6 – 8]	2002 - 2003
State of Minnesota P-16 Working Group on College Readiness Math Subgroup	2005 – 2007
State of Minnesota Bias Review Committee for TEAELS (Test of Emerging Academic English Listening Skills) Assessment	2004 – 2005
State of Minnesota Office of Higher Education grant review panel	2017, 2018
State of Minnesota Governor’s Council of Black Minnesotans	1997 – 2001

Review panels for external funding agencies, foundations, etc.

State of Minnesota Office of Higher Education Concurrent Enrollment Grant Program	2017, 2018
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Service To The University/College/Department

University of Minnesota/College of Education and Development/Curriculum & Instruction

C&I Associate Department Chair	2023 – present
University of Minnesota Hennepin-University Partnership (HUP) Collaborative Research Assistantship (HCRA) Faculty Fellow	2022
University Community-Engaged Scholar Awards Committee	2021
CEHD Curriculum Council	2021
CEHD African American Women Faculty & Grad Student Group	2019 – present
CEHD Public Engagement College Roundtable Liaison	2019 – 2020
CEHD Diversity Committee	2019 – 2021
C&I Director of Graduate Studies	2021
C&I Graduate Studies Committee	2021
C&I STEM Program Area Chair (PAC)	2021 – present
C&I Mathematics Education Program Area Chair (PAC)	2020 – present
C&I Promotion & Tenure Committee	2018 – 2020
C&I Research Committee	2018 – 2020
C&I Merit Committee	2015 – 2018

Office of Conflict Resolution Hearing Committee	2017 – 2020
Community Outreach, Retention, and Engagement Program (CORE 2025)	2016 – 2017
Educational Equity in Action Conference Committee	2015 – 2017
STEM Education Center Associate Director	2013 – 2015
DOVE Award Nomination Committee	2013 – 2019
Mathematics Education Search Committee	2014 – 2015
C&I Mathematics Education Elementary Search Committee chair	2021 – 2023
C&I Mathematics Education Search Committee co-chair	2019 – 2020
C&I Mathematics Education Search Committee	2005 – 2006
	2004 – 2005
CEHD Awards Committee	2013 – 2014
C&I Technology Committee, Chair	2013 – 2016
C&I Summer Research Committee	2013
C&I Special Education Faculty Search Committee	2013 – 2014
IDEA FOCI Host	2012
C&I Diversity Committee	2012 – 2014
UROC and RIO Partnership	2012
C&I Graduate Student Research Day Discussant	2012
IDEA STEM Fellow	2010 – 2014
C&I Technology Committee	2009 – 2014
C&I Graduate Studies Committee	2004 – 2007
C&I Social Studies Search Committee	2003 – 2005
C&I Diversity Committee	2002 – 2009

Professional Service

Science Museum of Minnesota Science Fusion (African Americans in STEM)	2023, 2014 – 2018
Benjamin Banneker Association (BBA) Treasurer Candidate	2021
Minnesota Council of Teachers of Mathematics (MCTM) Equity and Diversity Committee [Chair]	2022 – present
Minnesota Council of Teachers of Mathematics (MCTM) Equity and Diversity Committee [Co – Chair]	2018 – 2022
External Tenure Reviewer, Virginia Tech University	2019
Benjamin Banneker Association Audit Committee	2018 – present
International Programme Committee Hong Kong Association for Educational Communications and Technology (HKAECT)	2019 – 2020 2014

Reviews

Reviewer, Integrated Approaches to STEM Education: An International Perspective	2019
Reviewer, BBA The Lighthouse	2021
Reviewer, STEM in Science Education	2019
Reviewer, Sociological Perspectives	2019
Reviewer, Georgetown Journal of International Affairs	2015
Reviewer, Urban Education	2014, 2015, 2017, 2018, 2021
Reviewer, Journal of Urban Mathematics Education	2011, 2013,

Reviewer, Teacher Education	2015, 2019
Reviewer, Corwin Press	2010
Reviewer, American Education Research Journal (AERJ)	2006, 2007
Reviewer, The Learning Assistance Review	2006
	2005

Public and Other Significant Service

Judge, National American Miss National Pageant	2021
Concordia University, Seward, Nebraska, Board of Regents	2012 – 2017
Concordia Nebraska Foundation Director	2013 – 2017
Mastery School Board of Directors	2012 – 2014
	2019 – 2021
FOX 9 Top Teacher Judge	2014, 2015
Project Home Volunteer	2009 – 2012
Hmong Academy Board of Directors	2003 – 2007
LoveWorks Academy of Visual & Performing Arts Board	2003 – 2005
Eagle Valley Community Board of Directors, Vice-President	2002 – 2004
Site Council Parent Representative, Capitol Hill Gifted & Talented School	2000 – 2002
Woodbury Lutheran Church, Lector	2003 – present
Concordia University's President's Cabinet, Concordia University, St. Paul, MN	1996 – 1998
California Mathematics Council Task Force on Pre-service Education	1995

Consulting

Austin Public Schools
Alexandria School District
Byron School District
Data Recognition Corporation
Hmong College Preparatory Academy
Minneapolis K – 8 Mathematics Textbook Adoption Chairperson
Saint Paul Public Schools
Best Academy
Northfield School District
South Washington County School District
Twin Cities Public Television (TPT)