

Kathryn B. Chval
University of Illinois Chicago
3004 ETMSW, MC 147
Chicago, IL 60607

EDUCATION

- 2022-23 President’s Executive Leadership Program, University of Illinois System
- 2015 Harvard Management Development Program
- 2001 Ph.D., Curriculum and Instruction, University of Illinois at Chicago
Specialization: Curriculum Design and Mathematics Education
Dissertation: A Case Study of an Elementary Teacher Who Uses
Calculators to Guide Her Students to Successful Learning in Mathematics
- 1991 M.S.T., Elementary Mathematics, University of Illinois at Chicago
- 1987 B.A., Elementary Education, University of Illinois at Chicago

PROFESSIONAL EXPERIENCE

- 2021-present University of Illinois Chicago College of Education
- Dean and Professor, Mathematics Education
- 2003-2021 University of Missouri College of Education, Columbia, MO
- Professor, 2015-2021
 - Interim Executive Director, Mizzou Academy, 2019-2020
 - Dean and Joanne H. Hook Dean’s Chair in Educational Renewal, 2016-2020
 - Acting Dean, 2015-2016
 - Associate Dean for Academic Affairs, 2011-2015
 - Associate Professor, 2010-2015
 - Assistant Professor, 2003-2010
 - Co-Director, Missouri Center for Mathematics and Science Teacher Education, 2003-2015
- 2004 University of Notre Dame, South Bend, IN
- Visiting Faculty Member, Summer Semester
- 2001-2003 National Science Foundation, Arlington, VA
- Acting Section Head, September 2002-July 2003
 - Program Director, August 2001-July 2003
- Responsibilities:
- Managed Teacher Enhancement Section personnel, program, and \$56 million budget;

- Awarded and oversaw competitive grant awards;
- Served as a member of the MSP Design Team, MSP Steering Committee, ESIE Division Director Search Committee, and EHR Division Director Search Committee;
- Designed and led solicitation writing team for newly designed Teacher Professional Continuum (TPC) Program.

1989-2003 University of Illinois at Chicago, Chicago, IL
 College of Education (1999-2003)
 Department of Mathematics, Statistics, & Computer Science (1989-1999)

1987-1989 Hinsdale Elementary District #181, Hinsdale, IL

- Third grade teacher
- Pre-algebra instructor/Instructional Aide

HONORS AND AWARDS

2021 Mizzou College of Education Honorary Alumni Award
 2020 American Association of University Administrators’ Neuner Award for
 Excellence in Professional-Scholarly Publication
 2019 Hinsdale Central Foundation Hall of Fame Award
 2019 Columbia Business Times Women of Excellence Award
 2018 TODOS Iris M. Carl Equity and Leadership Award
 2018 Inaugural Partner in Advancement Leadership Award, Mizzou
 Advancement Division
 2017 INSIGHT Into Diversity Giving Back Award for Administrators
 2016 Mizzou Inclusive Excellence Award
 2016 University of Illinois at Chicago College of Education Alumni Award
 2011-2012 University of Missouri College of Education Bess Schooling Endowment
 for Outstanding Professors in Elementary Education
 2011 Association of Mathematics Teacher Educators Early Career Award
 2010 University of Missouri College of Education
 Graduate Student Mentor/Advisor of the Year
 2004-2009 University of Missouri College of Education
 High Flyer Excellence in Teaching Award
 2003 National Science Foundation
 Director’s Award for Program Management Excellence
 2002 National Science Foundation Commendable Service Award

RESEARCH ACTIVITIES

EXTERNAL AND INTERNAL FUNDING ACTIVITY

External Funded

- UIC Early Childhood Incumbent Workforce Initiative
Illinois Board of Higher Education; 2021-2024
Principal Investigator
\$1,162,099
- Collaborative Research: Parents, Teachers, and Multilingual Children
Collaborating on Mathematics Together
National Science Foundation; 2020-2022
Co-Principal Investigator
\$664,803
- CAREER: A Study of Strategies and Social Processes that Facilitate the
Participation of Latino English Language Learners in Elementary Mathematics
Classroom Communities
National Science Foundation; 2009-2016
Principal Investigator
\$786,898
- Center for the Study of Mathematics Curriculum
National Science Foundation; 2005-2015
Co-Principal Investigator (with Barbara Reys, Robert Reys, & Ira Papick)
\$10,978,294
- Researching Science and Mathematics Teacher Learning in Alternative
Certification Models
National Science Foundation; 2006-2013
Co-Principal Investigator (with Sandra Abell, Fran Arbaugh,
Pat Friedrichsen, John Lannin, & Mark Volkmann)
\$1,937,485
- Supporting Teachers-Amplifying Children's Knowledge
Missouri Department of Elementary and Secondary Education; 2008-2010
Co-Principal Investigator (with Chip Sharp, Fran Arbaugh, & Ann Bledsoe)
\$1,392,278
- Missouri Center for Mathematics and Science Teacher Education
US Department of Education; 2003-2008
Co-Principal Investigator (with Sandra Abell)
\$1,490,238
- All Learn Mathematics
National Science Foundation; 1995-2001
Co-Principal Investigator
\$1,782,417
- American Counts Implementation
National Science Foundation; 1999-2001
Principal Investigator
\$150,000

External Funded

- America Counts Research
National Science Foundation; 2000-2001
Principal Investigator
\$39,995
- All Learn Mathematics-1999
Illinois State Board of Education; 1999-2002
Principal Investigator
\$587,042
- All Learn Mathematics, Grades 6-8
Illinois State Board of Education; 1998-2001
Principal Investigator
\$489,459
- All Learn Mathematics, Grades K-3
Illinois State Board of Education; 1997-2000
Co-Principal Investigator
\$672,946
- All Learn Mathematics Contract
Chicago Public Schools; 1998-2001
Principal Investigator
\$170,000

Internal Funded

- CAREER
MU Prime; 2009-2016
Principal Investigator; \$50,771
- Center for the Study of Mathematics Curriculum
MU Prime; Co-Principal Investigator; 2008; \$15,000
- Researching Science and Mathematics Teacher Learning in Alternative
Certification Models
MU Prime; Co-Investigator; 2006-2013; \$415,000
- Studying the Teaching and Its Impact on Future Elementary Teachers of
Mathematics
Richard Wallace Research Incentive Grant; 2006; Principal Investigator; \$1,995
- Multilingual Mathematics Group and the 29th Conference of the International
Group for the Psychology of Mathematics Education
MU Faculty International Travel; 2005
Principal Investigator; \$1,500

BOOKS

Chval, K.B., Smith, E., Trigos-Carrillo, L., & Pinnow, R.J. (2021). *Teaching math to multilingual students: Positioning English learners for success*. Thousand Oaks, CA: Corwin Press.

Chval, K., Lannin, J., & Jones, D. (2016). *Putting essential understandings of geometry and measurement into practice in grades 3-5*. Reston, VA: National Council of Teachers of Mathematics.

Chval, K., Lannin, J., & Jones, D. (2013). *Putting essential understandings of fractions into practice in grades 3-5*. Reston, VA: National Council of Teachers of Mathematics.

Lannin, J., Chval, K., & Jones, D. (2013). *Putting essential understandings of multiplication and division into practice in grades 3-5*. Reston, VA: National Council of Teachers of Mathematics.

EDITED BOOKS

Heck, D., Chval, K. Weiss, I., & Ziebarth, S. (2012). *Approaches to studying the enactment of mathematics curriculum materials*. Charlotte, NC: Information Age Publishing, Inc.

REFEREED JOURNAL PUBLICATIONS

Ginsberg, R., Chval, K.B., Easton-Brooks, D. (2019). The crises are coming: Social media challenges facing higher education leadership. *Journal of Higher Education Management*, 34(2), 49-59.

Hawkman, A.M., Chval, K.B., & Kingsley, L.H. (2019). 'I feel like I can do it now': Preservice teacher efficacy in a co-teaching community of practice. *Teaching Education*, 30(1), 86-104.

Chval, K.B. & Pinnow, R.J. (2018). A path to discourse-rich communities. *Teaching Children Mathematics*. 25(1), 105-112.

Estapa, A., Pinnow, R.J., & Chval, K.B. (2016). Video as a professional development tool to support novice teachers as they learn to teach english language learners. *The New Educator*, 12(1), 85-104.

Herbel-Eisenmann, B., Sinclair, N., Chval, K.B., Clements, D.H., Civil, M., Pape, S., Stephan, M., Wanko, J.J., & Wilkerson, T. (2016). Positioning mathematics education researchers to influence storylines. *Journal for Research in Mathematics Education*, 47(2), 102-117.

Pinnow, R. & Chval, K. (2015). "How much you wanna bet?": Examining the role of positioning in the development of L2 learner interactional competencies in the content classroom. *Linguistics and Education*, 30, 1-11.

- Chval, K.B., Pinnow, R., & Thomas, A. (2015). Learning how to focus on language while teaching mathematics to English language learners: A case study of Courtney. *Mathematics Education Research Journal*, 27(1), 103-127. doi: 10.1007/s13394-013-0101-8
- Stephan, M., Chval, K.B., Wanko, J.J., Civil, M., Fish, M., Herbel-Eisenmann, B., Konold, C., & Wilkerson, T. (2015). Grand challenges and opportunities in mathematics education research. *Journal for Research in Mathematics Education*, 46(2), 134-146.
- Lesh, R., Chval, K.B., Hollebrands, K., Konold, C., Stephan, M., Walker, E.N., & Wanko, J.J. (2014). The NCTM research pre-session: A brief history and reflection. *Journal for Research in Mathematics Education*, 45(2), 157-172.
- Chval, K.B., & Nossaman, L. (2014). Raising the bar on external research funding: Infrastructure and strategies for enhancing faculty productivity. *The Journal of Faculty Development*, 28(1), 41-48.
- Lannin, J.K., Webb, M., Chval, K.B., Arbaugh, F., Hicks, S., Taylor, C. & Bruton, R. (2013). The development of beginning mathematics teacher pedagogical content knowledge. *Journal of Mathematics Teacher Education*, 16(6), 403-426. doi: 10.1007/s10857-013-9244-5
- Tarr, J., Rasmussen, C., Hollebrands, K., Chval, K., Berry, R., Walker, E., Konold, C. & King, K. (2013). Research committee: New assessments for new standards: The potential transformation of mathematics education and its research implications. *Journal for Research in Mathematics Education*, 44(2), 340-352.
- Lannin, J.K., & Chval, K.B. (2013). Challenge beginning teacher beliefs. *Teaching Children Mathematics*, 19(8), 508-515.
- Strutchens, M., Bay-Williams, J., Civil, M., Chval, K., Malloy, C., White, D., D'Ambrosio, B, Berry, R. (2012). Foregrounding equity in mathematics teacher education. *Journal of Mathematics Teacher Education*, 15(1), 1-7.
- Chval, K.B. & Chavez, O. (2011). Designing mathematics lessons for English language learners. *Teaching Mathematics in the Middle School*, 17(5), 261-265.
- Razfar, A., Khisty, L.L., & Chval, K.B. (2011). Re-mediating second language acquisition: A sociocultural perspective for language development. *Mind, Culture, and Activity*, 18(3), 195-215.
- Chval, K.B., & Pinnow, R. (2010). Preservice teachers' assumptions about Latino/a English language learners. *Journal of Teaching for Excellence and Equity in Mathematics*, 2(1), 6-12.
- Chval, K.B., Arbaugh, F., Van Garderen, D, Lannin, J.K., Cummings, L., DuChene, A., & Huey, M. (2010). The Transition from experienced teacher to novice mathematics coach. *The Elementary School Journal*, 111(1), 191-216.

- Arbaugh, F., Chval, K., Van Garderen, D., Lannin, J., & Cummings, L. (2010). Supporting the transition from experienced teacher to mathematics coach. *Journal of Mathematics Education Leadership*, 12(1), 12-18.
- Chval, K.B., Lannin, J., Arbaugh, F., & Bowzer, A. (2009). Videos and prospective teachers. *Teaching Children Mathematics*, 16(2), 98-105.
- Allen, R. & Chval, K. (2009). Becoming environmentally aware. *Teaching Children Mathematics*, 16(1), 28-33.
- Cameron, M., Loesing, J., Rorvig, V., & Chval, K. (2009). Using student work to learn about teaching. *Teaching Children Mathematics*, 15(8) 488-493.
- Chval, K.B. & Hicks, S.J. (2009). Calculators in current K-5 mathematics textbooks: Concerns and recommendations. *Teaching Children Mathematics*, 15(7), 430-437.
- Chval, K.B., & Davis, J. (2008). The gifted student. *Mathematics Teaching in the Middle School*, 14(5), 267-274.
- Chval, K., Abell, S., Pareja, E., Musikul, K., Ritzka, G. (2008). Science and mathematics teachers' experiences, needs, and expectations regarding professional development. *Eurasia Journal of Mathematics, Science & Technology Education*, 4(1), 31-43.
- Chval, K.B., & Reys, R. (2008). Effective use of manipulatives across the elementary grade levels: Moving beyond isolated pockets of excellence to school-wide implementation. *Journal of Mathematics Education Leadership*, 10(1), 3-8.
- Friedrichsen, P., Chval, K.B. & Teuscher, D. (2007). Strategies and sources of support for beginning mathematics and science teachers. *School Science and Mathematics*, 107(5), 169-181.
- Reys, B., Chval, K.B., Dingman, S., McNaught, M., Regis, T. & Togashi, J. (2007). Grade level expectations: A new challenge for elementary mathematics teachers. *Teaching Children Mathematics*, 14(1), 6-11.
- Chval, K., Reys, R., Reys, B., Tarr, J., & Chávez, Ó. (2006). Pressures to improve student performance: A context that both urges and impedes school-based research. *Journal for Research in Mathematics Education*, 37(3), 158-166.
- Chval, K, Reys, B., & Teuscher, D. (2006). What is the focus and emphasis on calculators in state-level K-8 mathematics curriculum standards documents? *Journal of Mathematics Education Leadership*, 9(1), 3-13.
- Chval, K.B. (2004). Making the complexities of teaching visible for prospective teachers. *Teaching Children Mathematics*, 11(2), 91-96.

Khisty, L.L., & Chval, K.B. (2002). Pedagogic discourse and equity in mathematics: When teachers' talk matters. *Mathematics Education Research Journal*, 14(3), 154-168.

REFEREED BOOK AND MONOGRAPH CHAPTERS

Chval, K.B., Pinnow, R.J., Smith, E., & Rojas Perez, O. (2018). Promoting equity, access, and success through productive student partnerships. In S. Crespo, S. Celedon-Pattichis, & M. Civil, (Eds.), *Access and equity: Promoting high quality mathematics in grades 3-5*. (pp. 115-132). Reston, VA: NCTM.

Chval, K.B. & Pinnow, R.J. (2016). Teaching pre-service teachers to successfully position english learners—a commentary on moschkovich's case. In D. White, S. Crespo & M. Civil, (Eds.), *Cases for teacher educators: Facilitating conversations about inequities in mathematics classrooms*. (pp. 171-175). Charlotte, NC: Information Age Publishing.

Vomvoridi-Ivanovic, E. & Chval, K.B. (2014). Challenging beliefs and developing knowledge in relation to teaching English language learners: Examples from mathematics teacher education. In B. Cruz, C. Ellerbrock, A. Vasquez, & E. Howes (Eds.), *Talking diversity with teachers and teacher educators: Exercises and critical conversations across the curriculum*. (pp. 115-130). New York, NY: Teachers College Press.

Pinnow, R. J. & Chval, K.B. (2014). Positioning ELLs to develop academic, communicative, and social competencies in mathematics. In M. Civil & E. Turner (Eds.), *Common core state standards in mathematics for English language learners: Grades K-8*. (pp. 21-33). Alexandria, VA: TESOL Press.

Chval, K.B., Weiss, I., Taylan, R.D. (2014). Generating and implementing a research agenda for studying the enacted mathematics curriculum. In D. R. Thompson & Z. Usiskin (Eds.), *Enacted mathematics curriculum: A conceptual framework and research needs*. (pp. 149–176). Charlotte, NC: Information Age Publishing, Inc.

Chval, K.B. & Hicks, S. (2012). Strategically using calculators in the elementary grades. In C. Hirsch, G. Lappan, & B. Reys (Eds.), *Curriculum issues in an era of common core state standards for mathematics*. (pp. 125-137). Reston, VA: NCTM.

Chval, K., Wilson, L.D., Ziebarth, S.W, Heck, D.J., & Weiss, I.R. (2012). Introduction. In D. Heck, K. Chval, I. Weiss, & S. Ziebarth (Eds.), *Approaches to studying the enactment of mathematics curriculum materials*. (pp. 1-18). Charlotte, NC: Information Age Publishing, Inc.

Ziebarth, S., Chval, K., Wilson, L. (2012). The enactment of mathematics curriculum materials: Future directions for the field. In D. Heck, K. Chval, I. Weiss, & S. Ziebarth (Eds.), *Approaches to studying the enactment of mathematics curriculum materials*. (pp. 195-203). Charlotte, NC: Information Age Publishing, Inc.

- Heck, D. J., Chval, K. B., Weiss, I. R., Ziebarth, & W, S. (2012). Developing measures of fidelity of implementation for mathematics curriculum materials enactment. In D. J. Heck, K. B. Chval, I. R. Weiss, Ziebarth, & S. W (Eds.), *Approaches to studying the enactment of mathematics curriculum materials*. (pp. 67-87). Charlotte, NC: Information Age Publishing, Inc.
- Chval, K.B. (2012). Facilitating the participation of Latino English language learners: Learning from an effective teacher. In S. Celedón-Pattichis & N. G. Ramirez (Eds.), *Beyond good teaching: Advancing mathematics education for ELLs*. Reston, VA: NCTM.
- Huntley, M., & Chval, K. (2010). Teachers' perspectives on fidelity of implementation to textbooks. *The K–12 Mathematics Curriculum: Issues, Trends, and Future Directions NCTM Yearbook*. (pp. 289-304). Reston, VA: NCTM.
- Chval, K.B., & Khisty, L. (2009). Latino students, writing, and mathematics: A case study of successful teaching and learning. In R. Barwell (Ed.) *Multilingualism in mathematics classrooms: Global perspectives*. (pp. 128-144). Bristol, UK: Multilingual Matters.
- Chval, K.B., Chávez, Ó., Pomerence, S., & Reams, K. (2009). Enhancing mathematics lessons to support all students. In D.Y. White & J.S. Silva, (Eds.), *Mathematics for every student: Responding to diversity PK-5*. (pp. 43-52). Reston, VA: NCTM.
- Chval, K., Chávez, Ó., Reys, B., & Tarr, J. (2009). Considerations and limitations related to conceptualizing and measuring textbook integrity. In J.T. Remillard, B.A. Herbel-Eisenmann, & G.M. Lloyd (Eds.), *Mathematics teachers at work: Connecting curriculum materials and classroom instruction* (pp. 70-84). London: Routledge.
- Chval, K.B., Lannin, J.K., & Bowzer, A. (2008). The task design framework: Considering multiple perspectives in an effective learning environment for elementary preservice teachers. In F. Arbaugh & P.M. Taylor (Eds.), *Inquiry into Mathematics Teacher Education Association of Mathematics Teacher Educators (AMTE) Monograph Series, Volume 5* (pp. 35-45). San Diego, CA: AMTE.
- Chval, K.B. (2008). The status of calculator technology in U.S. K-8 mathematics curriculum: It depends how you look at it. In Z. Usiskin & E. Willmore (Eds.), *Mathematics education in Pacific Rim countries: China, Japan, Korea, and Singapore* (pp. 305-316). Charlotte, NC: Information Age Publishing.
- Reys, B.J., Dingman, S., Olson, T.A., Sutter, A., Teuscher, D., & Chval, K. (2006). Analysis of number and operation grade-level learning expectations in state standards documents. In B.J. Reys (Ed.), *The intended mathematics curriculum as represented in state-level curriculum standards: Consensus or confusion?* (pp. 39-81). Charlotte, NC: Information Age Publishing.

REFEREED CONFERENCE PROCEEDINGS

Chval, K.B. (2004, October). *Tools for thought and communication*. In D. McDougall (Ed.), Proceedings of the twenty-sixth annual meeting of the North American Chapter of the International Group of the Psychology of Mathematics Education, Vol. 3 (pp. 1473-1479). Toronto: OISE/UT.

Morales, H., Khisty, L.L., & Chval, K.B. (2003, July). *Beyond discourse: A multimodal perspective of learning mathematics in a multilingual context*. In N. Pateman, B. Dougherty, & J. Zilliox (Eds.), Proceedings of the 2003 Joint Meeting of PME and PMENA, Vol. 3 (pp. 133-140). Honolulu: Center for Research and Development Group, University of Hawaii.

OTHER PUBLICATIONS

National Academies of Sciences, Engineering, and Medicine. (2018). *English learners in STEM subjects: Transforming classrooms, schools, and lives*. Washington, DC: The National Academies Press. doi: <https://doi.org/10.17226/25182>.

Chval, K. & Lannin, J. (2011). *Developing as mathematics teacher educators across the professional continuum*. AMTE Connections Newsletter 21(1), 7-8. Available at: http://www.amte.net/sites/all/themes/amte/resources/newsletters/AMTENewsletter_Vol21-1_Fall2011.pdf.

Chval, K. (2011). *Mathematics curriculum and Latino English Language Learners: Moving the field forward*. Proceedings of the Practitioners and Researchers Learning Together: A National Conference on the Mathematics Teaching and Learning of Latinos/as, pp. 100-116. Tucson: CEMELA-CPTM-TODOS.

Reys, B., Chval, K., & Switzer, M. (2008). *Mathematics standards for kindergarten: Summary of state-level attention and focus*. Paper commissioned by the National Research Council of the National Academies Early Childhood Mathematics Committee.

Chval, K. (2008). *Determining and responding to teacher professional development needs*. Paper commissioned by Horizon Research, Inc. Available at: http://pdmathsci.net/reports/pi_memos/alm.pdf.

Chval, K., Grouws, D., Smith, M., Weiss, I., & Ziebarth, S. (2006). *Understanding the use of curriculum materials: A cross-site research study report*. Available at: http://mathcurriculumcenter.org/reports_publications.php.

Chval, K. B. (2005). *Using Investigations to prepare teachers of elementary mathematics*. Available at: http://investigations.terc.edu/library/implementing/qa-led/prepare_teachers.cfm.

National Science Foundation (2003). *Teacher Professional Continuum (TPC) Solicitation*. Available at: http://www.nsf.gov/pubsys/ods/getpub.cfm?ods_key=nsf03534.

CURRICULUM PUBLICATIONS AND CONTRIBUTIONS

ELL Consultant, *Everyday Mathematics* Teacher Materials, 2004-2005, 2008, 2011.

Contributing author/editor, *Math Trailblazers* Curriculum, 1994-1995.

Page, D. A., & Chval, K. (1995). *Maneuvers with circles*. Palo Alto, CA: Dale Seymour.

Page, D. A., & Chval, K. (1995). *Maneuvers with circles teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., & Chval, K. (1995). *Maneuvers with fractions*. Palo Alto, CA: Dale Seymour.

Page, D. A., & Chval, K. (1995). *Maneuvers with fractions teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., & Chval, K. (1995). *Maneuvers with number patterns*. Palo Alto, CA: Dale Seymour.

Page, D. A., & Chval, K. (1995). *Maneuvers with number patterns teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with nickels and numbers*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with nickels and numbers teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with rectangles*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with rectangles teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with triangles*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with triangles teacher sourcebook*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with angles*. Palo Alto, CA: Dale Seymour.

Page, D. A., Wagreich, P., & Chval, K. (1993). *Maneuvers with angles teacher sourcebook*. Palo Alto, CA: Dale Seymour.

REFEREED PRESENTATIONS

International

- Chval, K. (2004, October). *Tools for thought and communication*. Paper presented at the Psychology of Mathematics Education-North American Chapter Conference, Toronto, Canada.
- Morales, H., Khisty, L.L., & Chval, K. (2003, July). *Beyond discourse: A multimodal perspective of learning mathematics in a multilingual context*. Paper presented at the Psychology of Mathematics Education 27 Conference, Honolulu, HI.

National

- Chval, K.B. (2023, May). *Implementing lesson study to advance social justice in math education*. Discussant at the annual meeting of the American Educational Research Association, Virtual.
- Jones, S., Celedón-Pattichis, S., & Chval, K.B. (2022, September). Positioning multilingual learners for success in mathematics: A joint position statement from NCSM and TODOS (2021). Presented at the annual meeting of the National Council of Supervisors of Mathematics. Anaheim, CA.
- Chval, K.B. (2021, April). *Nurturing leadership in computer programming in middle school Latinx students: Collaboration and co-facilitation*. Discussant at the annual meeting of the American Educational Research Association, Virtual.
- Pinnow, R.J., & Chval, K.B. (2018, March). “*Sofia’s awesome idea*”: *A social semiotic perspective on positioning of emergent bilingual learners in the content classroom*. Paper presented at the Annual Conference of the American Association for Applied Linguistics (AAAL). Chicago, IL.
- Taylan, D., & Chval, K. (2017, April). *Teacher change in the context of a video-based professional development program for english language learners*. Paper presented at the Annual Meeting of the American Educational Research Association. San Antonio, TX.
- Chval, K., Sztajn, P., & Drake, C., Rigelman, N. (2016, February). *Positioning mathematics teacher educators to engage in political and media arenas*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Pinnow, R. J., & Chval, K. B. (2016). *You’re gonna go maria’s speed: Examining the pre-positioning of second language learners in the content classroom*. Paper presented at the Annual Conference of the American Association for Applied Linguistics. Orlando, FL.
- Hawkman, A., Kingsley, L. & Chval, K. (2016, April). *I feel like I can do it now: Pre-service teaching efficacy and deliberate school contexts*. Paper presented at the Annual Meeting of the American Educational Research Association. Washington, D.C.
- Chval, K., Strutchens, M., & Sztajn, P. (2016, February). *Advocacy strategies for mathematics teacher educators: Equipping our voices to influence*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.

- Klemp, H., Trigos, L., Chaung, C., Chval, K.B., & Pinnow, R. J. (2015, April). *Transformative learning in a teach abroad experience in tanzania*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Chval, K., Beckmann, S., King, K., Luebeck, J., Mays, M., Silver, E., Strutchens, M. (2015, February). *AMTE's advocacy toolkit: Building a voice for mathematics teacher educators*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Trigos, L., Kalatozi, N., & Chval, K. (2014, April). *Compositional model of cultural competence for teaching abroad programs in teacher education*. Paper presented at the Annual Meeting of the American Educational Research Association. Philadelphia, PA.
- Valoyes, L., Taylan, D., Thomas, A. & Chval, K. (2014, April). *Investigating a professional development facilitator's moves to enhance teacher knowledge and practices*. Paper presented at the Annual Meeting of the American Educational Research Association. Philadelphia, PA.
- Jones, D., Lannin, J.K., & Chval, K.B. (2014, February). *The sixth sense: Drawing inferences from student work*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Chval, K.B., Valoyes, L., & Taylan, D. (2013, April). *Professional development intervention to enhance Latinos' mathematics learning*. Presentation at the Research Pre-session of the annual meeting of the National Council of Teachers of Mathematics. Denver, CO.
- Arbaugh, F., & Chval, K. B. (2013, April). *Supporting the transition from experienced teacher to mathematics coach*. National Council of Supervisors of Mathematics Annual Meeting. Denver, CO.
- Chval, K. B., Trigos, L., Sconyers, T., & Kasmer, L. (2013, April). *Global teaching in Tanzania: A case study of a student teacher*. Presented at the Annual Meeting of the American Educational Research Association. San Francisco, CA.
- Chval, K.B., Pinnow, R., & Thomas, A. (2012, April). *Enhancing mathematics curricula and instruction to facilitate Latino ELLs' success: A case study of Juan*. Paper presented at the Annual Meeting of the American Educational Research Association. Vancouver, BC.
- Lannin, J.K., Webb, M., Chval, K. B., Arbaugh, F., Taylor, C., & Bruton, R. (2012, April). *The development of beginning mathematics teacher pedagogical content knowledge*. Paper presented at the Annual Meeting of the American Educational Research Association. Vancouver, BC.
- Arbaugh, F., Taylor, C., Bruton, R., Chval, K.B., Lannin, J.K., & Webb, M. (2012, April). *Examining expert secondary mathematics teachers' thinking about mathematics instruction*. Poster presented at the Annual Meeting of the American Educational Research Association. Vancouver, BC.
- Lannin, J., Chval, K.B., Arbaugh, F., Langrall, C., Taylor, C., Webb, M., Hicks, S., & Bruton, R. (2012, April). *Investigating secondary mathematics teacher PCK across the professional continuum*. Presentation at the Research Pre-session of the annual meeting of the National Council of Teachers of Mathematics. Philadelphia, PA.

- Pinnow, R.J., & Chval, K.B. (2012, March). *Agency in the margins: The role of multimodal fluency in Latino/a English Language Learner positioning in the content classroom*. Paper presented at the Annual Conference of the American Association for Applied Linguistics (AAAL). Boston, MA.
- Chval, K.B. (2012, February). *Studying mathematics classrooms using student cams: Implications for teacher education*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Fort Worth, TX.
- McLeman, L., Vomvoridi-Ivanovic, E., & Chval, K.B. (2012, February). *Engaging in dialogue about the researching mathematics teacher educators' practice related to teaching diverse populations*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Fort Worth, TX.
- Thompson, D., Huntley, M., Senk, S., Chval, K., Ziebarth, S., & Weiss, I. (2011, April). *Research on the enacted mathematics curriculum: Report of a conference*. Presented at the Research Pre-session of the Annual Meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Lannin, J.K., & Chval, K.B. (2011, February). *Assessing preservice teachers in the elementary mathematics methods classroom*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Arbaugh, F., Lannin, J. K., Chval, K., Hicks, S., Webb, M., & Jackson, C. (2010, April). *Delineating the PCK of beginning secondary mathematics teachers*. Presented at the Research Pre-session of the Annual Meeting of the National Council of Teachers of Mathematics, San Diego, CA.
- Chval, K.B., & Lannin, J.K. (2010, February). *Using math tasks to help preservice teachers learn about mathematics teaching*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Khisty, L.L., & Chval, K.B. (2009, April). *Institutional arrangements and mathematics with Latino (ELL) students*. Presented at the research pre-session of the National Council of Teachers of Mathematics, Washington, DC.
- Arbaugh, F., Chval, K., Jackson, C., Webb, M., & Regis, T. (2009, April). *The growth of mathematics teachers' knowledge related to instruction*. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.
- Chval, K.B., Arbaugh, F., & Lannin, J.K. (2009, February). *The dilemma of the launch: Why is it so difficult for mathematics teachers?* Presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Reys, B.J., Lloyd, G., Chval, K.B., Bannister, V., & Switzer, J.M. (2009, February). *Why curriculum matters in teacher education: Helping future teachers expand their views of mathematics curriculum*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lannin, J., Abell, S., Arbaugh, F., Chval, K., Friedrichsen, P., & Volkmann, M. (2008, March). *Researching teacher knowledge: Further delineating the PCK construct for science and mathematics education*. American Educational Research Association Annual Meeting, New York, NY.
- Chval, K., Lannin, J.K., & Arbaugh, F. (2008, January). *The pedagogical content knowledge of beginning teacher educators*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Tulsa, OK.

- Pomerenke, S., Webb, M., Jackson, C., Regis, T.P., & Chval, K.B. (2008, January). *Examining and discussing preservice mathematics teachers' orientations*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Tulsa, OK.
- Chval, K.B., & Chávez, Ó. (2007, April). *Videotaping classrooms using head-mounted cameras on students*. Presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Chávez, Ó. & Chval, K.B. (2007, April). *Considerations and limitations related to conceptualizing and measuring textbook integrity*. Presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Arbaugh, F., Lannin, J., Chval, K.B., Regis, T., Pomerenke, S., & Appova, A. (2007, March). *Using lesson planning and video analysis as data collection tools for assessing PCK*. Presented at the research pre-session of the National Council of Teachers of Mathematics, Atlanta, GA.
- Reys, R., Chval, K.B., Cox, D., Smith, J. & Ziebarth, S. (2007, March). *Research on curriculum: The work of CSMC*. Presented at the annual meeting of the National Council of Teachers of Mathematics, Atlanta, GA.
- Chval, K.B., Lannin, J. K., Sutter, A.D., Regis, T.P. & Jackson, C. (2007, January). *Using video and written cases to prepare future mathematics teacher educators*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Lannin, J.K., Chval, K.B., Arbaugh, F., Appova, A., Nivens, R., Olson, T., Pomerenke, S. & Regis, T.P. (2007, January). *Studying alternative certification in mathematics: A tale of two research projects*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Huntley, M., & Chval, K.B. (2006, April). *Examining middle-grades mathematics curriculum implementation: Perspectives from researchers and teachers*. Presented at the research pre-session of the National Council of Teachers of Mathematics, St. Louis, MO.
- Chval, K.B., Cox, C., Sharp, C., Coutts, L., Weiss, I., Ziebarth, S. (2006, April). *Simple tools to help in making difficult decisions: Getting a handle on the enacted curriculum*. Presented at the annual meeting of the National Council of Supervisors of Mathematics, St. Louis, MO.
- Chval, K.B., Grouws, D., Smith, M., Ziebarth, S. (2006, April). *A cross-site study of local factors affecting mathematics curriculum enactment*. Presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Pareja, E., Musikul, K., Ritzka, G., Abell, S., Chval, K. (2006, April). *Science and mathematics teachers' experiences, needs, and expectations regarding professional development*. Paper presented at the annual meeting of the National Association of Research on Science Teaching, San Francisco, CA.
- Lannin, J. K., Chval, K.B., & Sutter, A.D. (2006, January). *Developing a content/methods course for preservice elementary teachers*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Tampa, FL.

- Khisty, L.L., Chval, K., Civil, M. & Morales, H. (2003, April). *On Latinos and mathematics: A view of the possible*. Presented at the research pre-session of the National Council of Teachers of Mathematics, San Antonio, TX.
- Hamilton, E., & Chval, K. (2003, April). *NSF investments in mathematics education research*. Discussion facilitated at the research pre-session of the National Council of Teachers of Mathematics, San Antonio, TX.
- Khisty, L.L., Chval, K., & Morales, H. (2003, April). *Challenging conventional wisdom: Suggestions from research on improving Latino's math learning*. Presented at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, TX.
- Morales, H., Chval, K., & Khisty, L. L. (2002, April). *A voyage into semiotics in search of meaning*. Paper presented at the research pre-session of the National Council of Teachers of Mathematics, Las Vegas, NV.
- Sloane, F., & Chval, K. (2002, April). *NSF investments in mathematics education research*. Discussion facilitated at the research pre-session of the National Council of Teachers of Mathematics, Las Vegas, NV.
- Chval, K. & Khisty, L.L. (2001, April). *Writing in mathematics with Latino fifth-grade students*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, WA.
- Chval, K. (2000, October). *Using socio-cultural theory to understand a successful teacher*. Presented at the annual meeting of the Psychology of Mathematics Education-North American Chapter, Tucson, AZ.
- Chval, K. (2000, April). *Rethinking the writing/mathematics connection: A case study of effective teaching with Latinos*. Paper presented at the research pre-session of the National Council of Teachers of Mathematics, Chicago, IL.
- Chval, K. (1997, April). *Motivating activities involving proportional reasoning and problem solving*. Workshop presented at the annual meeting of the National Council of Teachers of Mathematics, Minneapolis, MN.
- Chval, K. (1996, April). *Proportional reasoning: Bridges to problem solving*. Workshop presented at the annual meeting of the National Council of Teachers of Mathematics, San Diego, CA.
- Chval, K. (1994, April). *Gimme five and sense: A hands-on approach to measurement using nickels*. Presented at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.

Regional and State

- Chval, K. (2001, December). *Programs for mathematics education at the national science foundation*. Workshop presented at the California Mathematics Council Conference, Monterey, CA.
- Chval, K. (1994, February). *Gimme five and sense. Measurement, problem solving and calculators*. Workshop presented at the regional meeting of the National Council of Teachers of Mathematics, San Francisco, CA.
- Chval, K. (1993, November). *A hands-on approach to understanding measurement*. Presented at the regional meeting of the National Council of Teachers of Mathematics, Paducah, KY.

INVITED PRESENTATIONS

International

- Chval, K.B. (2022, November). *Positioning teachers and students for success*. Second Teacher Education Conference, Pattani, Thailand. (Virtual Keynote)
- Chval, K.B. (2019, October). *Innovative communication strategies*. Presentation at Global Education Deans Forum, East China Normal University, Shanghai, China.
- Chval, K.B. (2019, May). *Enhancing mathematics instruction to facilitate student participation: Studying elementary classrooms using head-mounted cameras*. Presentation at Universidad de Chile, Santiago, Chile.
- Chval, K. (2017, December). *Mizzou K-12 commencement address*. Dante High School, Sao Paulo, Brazil.
- Chval, K. (2017, May). *Using innovative research to influence the teaching of mathematics*. Presentation at University of Western Cape, South Africa.
- Chval, K. (2016, December). *Change management in higher education and teacher education*. Presentation at Prince of Songkla University, Pattani, Thailand.
- Chval, K. (2014, January). *Teaching geometric measurement*. Presentation at Mahasarakham University, Thailand.
- Chval, K. & Chavez, O. (2006, July). *A new methodology for capturing classrooms: Shifting the perspective*. Paper presented to the multilingual mathematics group at the annual meeting for the International Group for the Psychology of Mathematics Education, Prague.
- Chval, K. (2005, July). *Resources and supports for English language learners*. Paper presented to the multilingual mathematics group at the annual meeting for the International Group for the Psychology of Mathematics Education, Melbourne, AU.
- Chval, K. (2002, July). *A third language in a bilingual mathematics classroom*. Paper presented to the multilingual mathematics group at the annual meeting for the International Group for the Psychology of Mathematics Education, Norwich, UK.

National

- Chval, K. (2022, October). *Being a leader on your campus*. Presented at the annual meeting of the Council of Academic Deans from Research Education Institutions. St. Pete Beach, FL.
- Kohn-Wood, L. (Moderator), Andrew, D., Chval, K., Berry, R., & Fernandez, F. (2022, October). *Serving as a dean during challenging times*. Presented at the annual meeting of the Council of Academic Deans from Research Education Institutions. St. Pete Beach, FL.
- Pope-Davis, D., Rowley, S., Gaudelli, B., & Chval, K. (2022, October). *Disruptions: Education deans act*. Presented at the annual meeting of the Council of Academic Deans from Research Education Institutions. St. Pete Beach, FL.
- Chval, K.B. (2022, September). *Inclusive mathematics classrooms: Advocating for policies, practices, and resources*. Presented at the STEM for All Multiplex. (Invited Panelist for Virtual Webinar)

- Chval, K.B. (2022, July). Learning from inspirational teachers: Positioning multilingual learners for success in elementary mathematics. Presented at the Metro Chicago Mathematics Initiative Virtual Summer Institute. (Virtual)
- Chval, K.B. (2021, October). *Positioning multilingual learners for success in mathematics*. Presented at the Annual Delaware Math Equity Conference. (Invited Session)
- Chval, K.B. (2021, September). *Equipping educators to position multilingual learners for success in mathematics*. Presented at the 2021 Association of State Supervisors of Mathematics Fall Annual Meeting. (Invited Session)
- Chval, K.B. (2021, June). *Policies, actions, and communication: What will it take to change the narrative about multilingual learners?* Presented at the TODOS Virtual Conference. (Invited Session)
- Graham, P.A., Carter, P.L., Chval, K.B., Kinloch, V., Labaree, D., Rowley, S.J., & Granger, M. (2021, April). *Responsive or visionary: The role of schools of education in shaping educational outcomes for all america's children*. Presented at the annual meeting of the American Educational Research Association, Virtual. (Invited Session)
- Chval, K.B., Gomez, C.N., & Steele, M. (2020, February). *Looking down the AMTE road*. Presented at the annual meeting of the Association of Mathematics Teacher Educators, Phoenix, AZ. (Opening Plenary Session)
- Francis, D., Chval, K., Lee, O., & Solano-Flores, G. (2019, April). *English learners in STEM subjects: Transforming classrooms, schools, and lives—A report from the national academies of science, engineering, and medicine*. Presented at the Annual Meeting of the American Educational Research Association. Toronto, Canada.
- Ball, D., Chval, K.B. & Nasir, N.S., (2019, April). *What is the responsibility of the mathematics education research community to address local, national, and global issues?* Presented at the National Council of Teachers of Mathematics Research Conference. San Diego, CA. (Opening Plenary Session)
- Chval, K.B. & Nasir, N.S., (2019, April). *Early scholars preconference workshop*. Presented at the National Council of Teachers of Mathematics Research Conference. San Diego, CA.
- Chval, K.B. (2018, April). *Progress toward achieving systemic change: Report on the association of american universities' undergraduate STEM education initiative*. Discussant at the Annual Meeting of the American Educational Research Association. New York City, NY.
- Ginsburg, R, Chval, K.B., Easton-Brooks, D. (2018, April). *Social media and social crises in the academy: Issues for publicly engaged scholars and campus leaders*. Presented at the Annual Meeting of the American Educational Research Association. New York City, NY.
- Chval, K. *Standards for preparing teachers of mathematics*. (2018, February). Moderator of panel at the annual meeting of the Association of Mathematics Teacher Educators. Houston, TX. (Keynote)
- Ginsburg, R., Chval, K.B., & Easton-Brooks. (2017, October). *Social media and social crises on campus: Issues for deans to consider*. Presented at the annual

meeting of the Council of Academic Deans from Research Education Institutions. Savannah, GA.

- Chval, K.B., McCallum, W., & Mills, V. (2017, June). *Lessons from mathematics about developing, selecting, and implementing instructional materials*. Presented at the Instructional Materials for the Next Generation Science Standards: A National Academies of Sciences, Engineering, and Medicine Workshop. Washington, D.C.
- Chval, K.B. (2016, July). *Facilitating access and equity in pk-5 mathematics classrooms: Lessons learned from inspirational teachers*. Presented at the National Council of Teachers of Mathematics Connecting Number and Operations in the Classroom Interactive Institute. Denver, IL. (Keynote)
- Chval, K.B. (2015, July). *Facilitating access and equity in pk-5 mathematics classrooms: Lessons learned from inspirational teachers*. Presented at the National Council of Teachers of Mathematics Connecting Number and Operations in the Classroom Interactive Institute. Chicago, IL. (Keynote)
- Chval, K.B. (2014, July). *Facilitating access and equity in pk-5 mathematics classrooms: Lessons learned from inspirational teachers*. Presented at the National Council of Teachers of Mathematics Connecting Number and Operations in the Classroom Interactive Institute. San Diego, CA. (Keynote)
- Chval, K.B. (2014, June). *Positioning Latino English language learners for success: Lessons learned from inspirational teachers*. Presented at the TODOS 2014 Beyond Awareness ~ Equity, Access and Achievement for ALL Conference. Phoenix, AZ. (Keynote)
- Chval, K.B. (2013, April). *Enhancing mathematics curricula and instruction to facilitate students' participation*. Presented at the annual meeting of the National Council of Teachers of Mathematics. Denver, CO. (Featured Speaker)
- Chval, K.B. (2011, January). *Achieving excellence and equity for latino students: Viewing classrooms through their eyes*. (Webinar)
- Chval, K. (2010, July). *Securing funding to support your work: Joys, challenges, and pitfalls*. Presented at the STaR Institute, Park City, UT.
- Chval, K. (2010, March). *Mathematics curriculum and Latino English Language Learners: Moving the field forward*. Paper presented at the CEMELA-CPTM-TODOS Conference, Tucson, AZ.
- Chval, K., Weiss, I., & Ziebarth, S. (2009, February). *Measuring fidelity of implementation*. Presented at the Fifth Annual CSMC Research Conference, Phoenix, AZ.
- Chval, K. (2009, January). *Facilitating the participation of Latino English language learners in mathematics classrooms: What will it take?* Presented at the CEMELA Research Symposium, Albuquerque, NM. (Keynote)
- Chval, K. (2007, March). *Researching K-16 mathematics and science classrooms: Considerations and challenges to conducting classroom-based research*. Presented at the 9th Annual Chicago Symposium Series on Excellence in Teaching Mathematics and Science: Research and Practice, Northwestern University, Chicago, IL. (Plenary Session)
- Chval, K. (2007, March). *Preparing to teach mathematics: Considerations and challenges*. Presented at the 9th Annual Chicago Symposium Series on

Excellence in Teaching Mathematics and Science: Research and Practice,
Northwestern University, Chicago, IL.

- Weiss, I. & Chval, K. (2007, February). *Research on mathematics curriculum: Some design issues*. Presented at the Third Annual CSMC Research Conference, Phoenix, AZ.
- Abell, S., Arbaugh, F., Chval, K., Friedrichsen, P., Lannin, J., & Volkmann. (2006, May). *Research on alternative certification: Where do we go from here?* Presented at the STEM-ACT Conference on Alternative Certification of Science Teachers, Arlington, VA.
- Chval, K. (2005, November). *What is the status of calculator and computer technology in the U.S. K-8 mathematics curriculum and what are the prospects for the future?* Presented at the First International Mathematics Curriculum Conference, Chicago, IL. (Plenary Session)
- Chval, K. (2004, May). *Funding opportunities for supporting curriculum related research*. Presented at the Second Annual Show-Me Researchers' Workshop, Columbia, MO. (Plenary Session)
- Chval, K. (2003, August). *The need, purpose, and vision for the Teacher Professional Continuum program*. Presented at the Teacher Professional Continuum (TPC) Project Evaluation Workshop, Washington, DC.
- Chval, K. (2003, May). *Funding sources*. Presented at the Show-Me Researchers' Workshop, Columbia, MO. (Plenary Session)
- Chval, K. (2003, March). *Policy overview*. Presented at the National Research Council's Conference on Next Steps in Mathematics Teacher Development, Grades 9-12, Washington, DC.
- Chval, K. (2003, January). *Federal programs of interest to PIs*. Presented at Instructional Materials Development Principal Investigator Meeting, Washington, DC.
- Chval, K. (2003, January). *National science foundation support of mathematics teacher education*. Workshop presented at the annual meeting of the Association for Mathematics Teacher Educators, Atlanta, GA.
- Chval, K. (2002, April). *Math and science partnerships*. Presented at the annual meeting of the Association of State Supervisors of Mathematics, Las Vegas, NV.
- Chval, K. (2002, March). *Elements of effective proposals*. Presented at the Mathematics and Science Partnership National Workshop, Washington, D.C.
- Chval, K. (2002, February). *National science foundation support of mathematics teacher education: Past, present and future*. Workshop presented at the Association for Mathematics Teacher Educators, San Antonio, TX.
- Chval, K. (1999, March). *Preparing undergraduates to teach mathematics*. Workshop presented at the Symposium on Analyzing and Initiating Successful Practice in Science and Mathematics Instruction, Chicago, IL.

Regional and State

- Chval, K. (2013, November). *Improving mathematics tasks and teaching for gifted learners*. Presented at the NCTM 2013 Regional Conference & Exposition, Louisville, KY.

- Chval, K. (2010, September). *Achieving excellence and equity for Latino students: Viewing classrooms through their eyes*. Presented at the Chancellor's Diversity Initiative Forum, Columbia, MO.
- Chval, K. (2007, August). *Teacher leadership: What is it and why is it important?* Presented at the Leading the Way Conference, Columbia, MO.
- Chval, K. (2007, August). *Teacher leadership: Facilitating change*. Presented at the Leading the Way Conference, Columbia, MO.
- Chval, K. (2005, December). *Supporting beginning middle school and high school mathematics teachers*. Presented at the Missouri Council of Teachers of Mathematics Conference, Columbia, MO.
- Chval, K. & P. Friedrichsen. (2005, December). *Study of challenges and support structures for beginning mathematics and science teachers*. Presented at the Meeting the Mathematics and Science Teacher Shortage in Missouri: Research and Practice on Supporting Beginning Teachers Conference, Columbia, MO.
- Chval, K. (2005, December). *Mathematics and science teaching institute for beginning teachers*. Presented at the Meeting the Mathematics and Science Teacher Shortage in Missouri: Research and Practice on Supporting Beginning Teachers Conference, Columbia, MO.
- Chval, K. (2004, December). *What do we want our future teachers to know and be able to do? Setting the framework for discussion*. Presented at the Preparing High Quality Mathematics and Science Teachers for Grades 6-12 Conference, Columbia, MO.
- Chval, K. (2000, March). *Yes, all children can learn mathematics*. Workshop presented at the Conference Addressing Special Education, Chicago, IL.
- Chval, K. (1999, December). *All learn mathematics*. Workshop presented at the Maximizing Learning for Low Achieving Students Conference, Chicago, IL.
- Page, D. A., & Chval, K. (1999, February). *Preparing individuals to teach mathematics*. Workshop presented at the UIC Council on Teacher Education Fireside Chat, Chicago, IL.
- Chval, K. (1998, October). *Maneuvers with problem solving and proportional reasoning*. Workshop presented at the regional meeting of the National Council of Teachers of Mathematics, Louisville, KY.
- Chval, K. (1998, November). *Maneuvers with problem solving: How tall is a \$1000 stack of nickels? How much does it weigh?* Workshop presented at the regional meeting of the National Council of Teachers of Mathematics, Reno, NV.
- Chval, K. (1995, March). *Maneuvers with fractions and percent--calculators and problem solving*. Workshop presented at the regional meeting of the National Council of Teachers of Mathematics, Chicago, IL.
- Chval, K. (1994, November). *Maneuvers with fractions: Calculators and problem solving in the middle grades*. Workshop presented at the regional meeting of the National Council of Teachers of Mathematics, Somerset, NJ.

DOCTORAL ADVISEMENT

Involvement in Graduate Research Programs

Doctoral Committee Chair

- Sarah Hicks. *A study of teacher knowledge as secondary mathematics teachers use a new technology*. University of Missouri, defended April 2010.
- Christa Jackson. *A study of teacher knowledge and beliefs related to equity and teaching mathematics to elementary African Americans students*. University of Missouri, defended April 2010.
- Cynthia Taylor. *Facilitating the development of prospective teachers' pedagogical content knowledge: A case study of a mathematics teacher educator's actions and purposes*. University of Missouri, defended April 2011.
- Liza Cummings. *Transitioning into mathematics curriculum leadership: A study of how a graduate degree program influenced leaders' views, actions, and responses*. University of Missouri, defended July 2011.
- Anne Estapa. *A study of elementary teachers learning to teach English language learners*. University of Missouri, defended March 2012.
- Luz Edith Valoyes Chavez. *Colombian teacher expectations of low-income and black students' ability to learn algebra: A study of the effects of the intersection of race and class in the teaching of algebra*, University of Missouri, defended April 2014.
- Erin Smith. *The influence of the teacher on emergent bilinguals' acquisition of mathematical discourse*, University of Missouri, defended April 2018.

Doctoral Committee Member

- Hector Morales, University of Illinois at Chicago, defended February 2004
- Jung Chen, University of Missouri, defended December 2005
- Byung-In Seo, University of Illinois at Chicago, defended August 2006
- Troy Regis, University of Missouri, defended May 2008
- Sean McGlaughlin, University of Missouri, defended November 2008
- Eugenia Vomvoridi-Ivanovic, University of Illinois at Chicago, defended May 2009
- Aina Appova, University of Missouri, defended August 2009
- Ryan Nivens, University of Missouri, defended October 2009
- Matt Webb, University of Missouri, defended July, 2010
- Maryann Huey, University of Missouri, defended May, 2011
- Young Cho, University of Missouri, defended May, 2011
- Matt Switzer, University of Missouri, defended May, 2011
- Kelley Buchheister, University of Missouri, defended May, 2011
- Michael Perkowski, University of Missouri, defended April, 2013
- Didem Taylan, University of Missouri, defended July, 2013
- Dung Tran, University of Missouri, defended July, 2013
- Lindsay Oram, University of Missouri, defended December 2014
- Amber Rice, University of Missouri, defended April 2015
- Lina Trigos, University of Missouri, defended April 2016

PROFESSIONAL SERVICE

NATIONAL SERVICE

National Advisory Work

- U.S. Department of Education Technical Working Group for the Study of Policies, Supports, and Practices for English Learners (2021)
- U.S. Department of Education Expert Panel on the Study of Practices for English Learners (2020)
- CAREER: Make Mathematics Meaningful for Emergent Bilinguals Advisory Board (2020-2025)
- CAREER: Fostering Productive Discussions in Linguistically Diverse Mathematics Classrooms Advisory Board (2015-2021)
- Analyzing Diagrams: Supports for English Learners Advisory Board (2017-2020)
- Advancing Out-of-School Learning in Mathematics and Engineering Advisory Board (2016-2019)
- Using Math Pathways and Pitfalls to Promote Algebra Readiness Advisory Board (2013-2017)
- Mathematical Record Keeping Supports Cognition and Communication Advisory Board (2013-2016)
- Virtual Learning Communities: An Online Professional Development Resource for STEM Teachers Advisory Board (2011-2014)
- Mathematics Coaching Supporting English Learners Advisory Board (2011-2014)
- Fostering Mathematics Success of English Language Learners Advisory Board (2009-2012)
- National Science Foundation Local Systemic Change through Teacher Enhancement Dissemination Advisory Board Member (January, 2005)
- National Science Foundation Teacher Professional Continuum Advisory Panel (October, 2003)

National Committee Work

- AERA Ethics Committee, Chair Designate, 2021-22, Chair 2022-24
- Co-Author, TODOS/NCSM Position Statement on Positioning Multilingual Learners for Success in Mathematics, 2020-2021
- Co-Author, NCTM/NCSM/ASSM Continuing the Journey: Mathematics Learning, 2021
- National Academies of Sciences, Engineering, and Medicine Committee, consensus study on *Supporting English Learners in STEM Subjects*. Member 2017-2019.
- AERA-CURI Executive Committee, Chair Elect 2017-18; Chair 2018-2020
- TODOS, Advocacy Committee, Advisor, 2017-present
- TODOS Task Force on Advocacy, Chair 2016-2017
- National Council of Teachers of Mathematics Research Committee Member, 2012-2016; Chair, 2014-2016
- Association of Mathematics Teacher Educators (AMTE) Member, Emerging Issues Committee (2014-2017)

- Association of Mathematics Teacher Educators (AMTE) Member, CAEP Standards Review Task Force (2013-2014)
- Program Committee Member, TODOS Conference (2015-2016)
- Program Committee Member, TODOS Conference (2013-2014)
- Common Core State Standards Joint Task Force of AMTE, ASSM, NCTM and NCSM Member (2010)
- Steering Committee Member, Conference on Research on the Enacted Mathematics Curriculum (2010)
- Association of Mathematics Teacher Educators (AMTE) Member, Related Conferences Committee (2003-2007)

National Editorial Work

- Editorial Panelist on the TODOS Monograph Panel (2012 – 2015)
- Editorial Panel Member, AMTE Special Equity Issue of The Journal of Mathematics Teacher Education (JMTE) (2009-2011)
- Co-Editor, *Teaching Children Mathematics*, Supporting Teacher Learning Department (2006-2007)

National Review Work

- National Science Foundation Reviewer/Panel Chair
2001, 2003 (2 panels), 2004 (3 panels), 2005, 2006, 2008, 2009, 2013, 2014, 2021
- AMTE Annual Meeting Proposal Reviewer (2009, 2010, 2011)
- AERA Conference Proposal Reviewer (2009, 2010, 2012)
- NCTM Research Pre-session Proposal Reviewer (2009, 2010, 2011, 2012, 2013, 2014)
- American Education Research Journal (AERJ), Reviewer, (2014)
- Journal for Research in Mathematics Education (JRME), Reviewer (2004-2013, 2020)
- Teaching Children Mathematics, Reviewer (2006-2013)
- Journal for Teacher Education, Reviewer (2011-2013)
- Journal for Mathematics Teacher Education, Reviewer (2012-2013)
- Mathematics Teacher Educator Journal, Reviewer (2012-2013)
- Journal of Teaching for Excellence and Equity in Mathematics, Reviewer (2013, 2014)
- Journal of Faculty Development, Reviewer, (2013)
- Common Core State Standards for Mathematics Research Agenda (2011)
- Urban Review Journal (2010, 2021)
- Mathematical Thinking and Learning Journal (2009)
- Consortium for Policy Research in Education (2006)

State

- Member, Region 12 Comprehensive Center Advisory Board (2020-present)
- Member, Missouri Advisory Board for Educator Preparation (2014-2020)
- Member, Missouri Elementary Math Specialist Design Team (2009-2013)
- Member, Illinois Mathematics Task Force (2001)

UNIVERSITY SERVICE

Campus:

- Member, UIC Budget Model Redesign Task Force (2022-present)
- Member, UIC DPI Planning Group (2022-present)
- Chair, UIC Executive Director, Instructional Design & Media Production Studio Search Committee (2023)
- Chair, UIC Dean of Liberal Arts and Sciences Search Committee (2022)
- Member, UIC Chancellor Search Advisory Committee, (2022)
- Member, Cambio Center Finance Committee, (2020-2021)
- Member, MU History Committee, (2018-2020)
- Member, Thompson Center for Autism & Neurodevelopmental Disorders Advisory Board (2016-2020)
- Chair, Dean Search, Sinclair School of Nursing (2018)
- Member, UM System Review Committee for Excellence in Inclusion (2018)
- Member, UM System Council of Leaders (2018)
- Member, Search, University of Missouri Chief Marketing and Communications Officer (2018)
- Co-Chair, Dean Search, College of Arts and Science (2017)
- Chair, Dean Search, Harry S. Truman School of Public Affairs (2017)
- Member, Broader Impacts Network Advisory Board (2014-2016)
- Chair, Undergraduate Research Advisory Committee (2013-2015)
- Member, Task Force for the Allocation of Functions of the Graduate School (2014)
- Co-Chair, Integrating the Mizzou Experience Modes of Delivery Committee (2012-2013)
- Co-Chair, Integrating the Mizzou Experience Undergraduate Research and Active Learning Sub-Committee (2012-2013)
- Member, Fellowships Office Advisory Committee (2012-2015)
- Member (2011-2014), Chair (2012-2014), Committee on Committees
- Member, Search Committee, Assistant/Associate Director for Quality Improvement (2011-2012)
- Member, Student Fee Capital Improvements Committee (2012-2013)
- Member, Agricultural Education Advisory Committee (2011)
- Panel Member, Grantsmanship Day at MU-NSF Panel of Program Officers and Reviewers

Division

- Ex Officio Member, College of Education Curriculum Committee (2011-2015)
- Ex Officio Member, College of Education Graduate Education Committee (2011-2015)
- Ex Officio Member, College of Education Special Cases Committee (2011-2015)
- Ex Officio Member, College of Education Financial Awards Committee (2011-2015)
- Member, College of Education Executive Council (2011-2016)
- Member, College of Education Transition Task Force for Undergraduate Educator Preparation Committee (2011-2012)

- Member, College of Education Faculty Appeals Committee (2010-2011)
- Member, LTC Academic Personnel/Promotion & Tenure Committee (2010-2011)
- Faculty Coordinator, Teacher Development Program (2007-2011)
- Faculty Coordinator, Teacher Development Program Phase II Field (2007-2011)
- Member, Learning, Teaching, and Curriculum Masters and Ed.S. Committee (2004-2010)
- Member, Instructional Materials Committee (2008-2009)
- Member, Center for the Study of Mathematics Missouri Local Advisory Committee (2004)

COMMUNITY SERVICE

2020-2021	Member, Board, Worley Street Roundtable
2017-2021	Member, Board of Directors, Cradle to Career Alliance
2016-2017	Member, Columbia Public Schools Grow Your Own EdX Committee
2010-2011	Faculty Sponsor, MPER Professional Development for K-5 teachers, Hannibal, MO Public Schools
2008-2009	Member, Parent Advisory Committee, Columbia Public Schools
2008-2009	Facilitator, Mathematics Club, Russell Elementary School
2008-2009	Faculty Sponsor, MPER Book Study, Paxton Keeley Elementary School
2006-2008	Member, Elementary Mathematics Curriculum Evaluation Committee, Columbia Public Schools
2005-2008	Faculty Sponsor, MPER Professional Development for K-5 Teachers, Ashland, MO Public Schools
2007	Member, Secondary Mathematics Task Force, Columbia Public Schools
2006-2007	Facilitator, Gifted Mathematics Program, Russell Elementary School
2006	Facilitator, Mathematics Workshops for Parents, YMCA
2005	Facilitator, Professional Development for K-5 teachers, Columbia Public Schools
2004	Destination Imagination Coach, West Jr. High, Columbia, Missouri
2004	Facilitator, Mathematics Workshops for Columbia Public School Parents
2003	Math Counts Coach, Louise Archer Elementary School, Vienna, Virginia
1999-2001	Facilitator, Math Club for Girls, Clarendon Hills, Illinois
1995-1996	Panel Member, Chicago Systemic Initiative Advisory Board

ORGANIZATIONAL MEMBERSHIPS

American Educational Research Association
 National Council of Teachers of Mathematics
 Association of Mathematics Teacher Educators
 National Council of Supervisors of Mathematics
 TODOS-Mathematics for All