

## VITA

Lynne M. Pachnowski, Ph.D.  
Professor, Education  
224 Zook  
University of Akron, Akron OH 44325-4205  
(330) 972-7115 [Imp@uakron.edu](mailto:Imp@uakron.edu)

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### EDUCATION:

- Ph.D. Education.** May, 1994.  
Boston College, Chestnut Hill, Massachusetts.  
Major: Curriculum, Instruction, and Administration  
Program: School Administration Certification
- M.Ed. Education.** September, 1989.  
John Carroll University, Cleveland, Ohio.  
Concentration: Secondary Mathematics
- B.A. Mathematics Teaching,** cum laude. August, 1986.  
John Carroll University, Cleveland, Ohio.  
Minor: Fine Arts  
Completed Honors Program

### TEACHING EXPERIENCE:

<b>Professor, Education</b>	Fall, 2005 – present
<b>Associate Professor, Education</b>	Fall, 1998 – 2005
<b>Harrington Distinguished Professor (Endowed Chair)</b>	2003-2005
<b>Assistant Professor, Education</b>	Fall, 1993 - 1998

Dept. of Curricular and Instructional Studies, College of Education, University of Akron, Akron, OH

#### Primary Courses taught:

Instructional Methods in Mathematics (Adolescent/Young Adult)  
Teaching Math to Middle Level Learners  
Math Methods: Special Education  
Instructional Technology Applications (discontinued in September, 2013)

Supervise math student-teachers in area high schools. Participate in collaborative endeavors with area high schools. Advise undergraduates, master's, and doctoral students. Sit on and/or chair doctoral dissertations. Serve on various department, college, and university committees. Complete work in outreach programs in Summit and Medina Counties.

During the endowed chair biennium, collected data from faculty regarding technology needs, collaborated with Technology Committee to offer in-service training, and will be sponsoring national speakers in the areas of education technology and teaching mathematics in urban areas.

**Instructor** Summer, 1993. Fall, 1994 – Summer, 2000.  
Upward Bound, SPSHS, Case Western Reserve University, Cleveland, OH

Teach high school-level Geometry, Algebra II, and Calculus courses in the program's summer program. Courses are designed to introduce material to students enrolled for the

following school year in those math courses in their respective high schools. Also, during the school year, occasionally teach a math proficiency test review course.

**Substitute Teacher** February, 1993 - June, 1993  
Various Cleveland-area Districts

Substitute-taught in various Cleveland-area districts including Orange, Solon, Nardon, Brecksville, Strongsville, and Westlake. Substituted primarily in math classrooms.

**Collaborator, Co-Developer, and Team-Teacher** September, 1992 - December, 1992  
TYP Program, Brandeis University, Waltham, MA

Co-taught the mathematics course for students in the TYP Program, a transition-year program for non-traditional students who wish to attend college. Designed curriculum, co-instructed classes, and researched related literature and curriculum. Co-presented a workshop for the math and science department at Roxbury Community College on innovative curriculum for the non-traditional student and current trends in math education.

**Early Childhood Teacher**  
Assistant Teacher, In-home licensed day care, Newton, MA March, 1991 - May, 1992  
Assistant Teacher, Alef-Bet Day Care Center, Cambridge, MA June, 1991 - August, 1991

Worked with children, ages two through five. Assisted in monitoring daily responsibilities and created learning activities. Assisted in implementing projects especially centered around holidays and Jewish holidays.

**Math Teacher** June, 1987 - June, 1990  
Chanel High School, Bedford, OH

Taught various mathematics classes including: Math Analysis, all levels of Geometry, Pre-Algebra. Provided PSAT preparation and administered the PSAT and the high school entrance exam. Also, directed the liturgical choir and participated in the selection of NHS members.

**Math Teacher** September, 1986 - June, 1987  
Lumen Cordium High School, Bedford, OH

Taught Algebra II, Geometry, Senior Math, and a tutorial-style Calculus class. Attended "Equals" seminar at Cleveland State University and implemented classroom activities from the seminar. Also served as co-moderator of the student senate.

**Student-Teacher** January, 1986 - May, 1986  
Orange High School, Pepper Pike, OH

Taught Algebra I, Geometry, and Honors Geometry. Tutored one period a day in the math department tutorial lab.

### **ADMINISTRATIVE EXPERIENCE:**

**Project Director, UA Woodrow Wilson Teaching Fellowship Program** Fall, 2010 - 2016  
College of Education, University of Akron

Served as administrative coordinator of the Fellowship grant program. Coordinated curriculum design, program schedule, program faculty, program assessment.

**Director, Summer Honors Institute for Gifted Students** Summer, 2004, 2006-2008

College of Education, University of Akron

Served as administrative coordinator of nine faculty, one graduate assistant, and sixty gifted and talented high school students for a three-week on-campus program.

**Coordinator of Distance Learning** September, 1998 – September, 2001  
University of Akron, Akron, OH

Coordinated post-secondary course distance learning delivery schedule with the Medina County high schools involved in the MedinaLink Project while reporting to the UA Provost. Acted as a liaison for instructors of the distance learning classroom. Facilitated other special uses (guest speakers, k-12 collaborations, etc.) of the distance learning classrooms.

**Graduate Assistant - Field Office Supervisor** September, 1990 - December, 1992  
Boston College, Chestnut Hill, MA

Observed, counseled, and evaluated ten to twelve undergraduate and graduate students a semester completing pre-practicum field work hours. Responsibilities included reading weekly journals and then commenting, observing mid-term and final on-site lessons, conducting counseling and evaluation sessions, and writing final evaluations.

**Supervisor, Department of Education** September, 1991 - December, 1991  
Brandeis University, Waltham, MA September, 1992 - December, 1992

Supervised three full-time mathematics student-teachers in 1991. Supervised one physics and three mathematics full-time student-teachers in 1992. Observed a minimum of five lessons for each teacher and conducted feedback sessions. Wrote evaluations for each and occasionally assigned on-site activities suited to each teacher.

**Administrative Intern - Supervision** January, 1992 - May, 1992  
Lexington Public Schools, Lexington, MA

Interned with the math coordinator of the district. Attended meetings, observed classes at all levels, assisted in elementary pilot program evaluation, revised the METCO mathematics admissions testing materials and pilot tested the new assessment with Lexington students.

**Administrative Intern - Principalship** September, 1991 - December, 1991  
Newton-North High School, Newton, MA

Interned with the principal of Newton-North, a comprehensive high school (enrollment: 1600). Attended meetings, organized and administrated the parent-teacher conference sign-up and evening, organized creation of new school map, worked on obtaining tutors for METCO counseling program.

**Drama Director** June, 1987 - June, 1990  
Chanel High School, Bedford, OH

Directed and produced three spring musicals and one fall comedy. Acted as music director. Conducted all business transactions and worked with parent and community groups.

#### **OTHER EDUCATION- RELATED EXPERIENCE:**

**Consultant** January, 1993 - July, 1993  
CompuQuest Educational Services

Designed curriculum, lesson plans, and teacher handbook for a computer-based SAT/ACT review course. Piloted testing lessons. Also, trained new teachers joining the organization.

### **CERTIFICATION:**

Ohio: Mathematics, 7-12, professional (8 year)  
 Ohio: Computer Science, 7-12, professional (8 year)  
 Ohio: Principal, 7-12 (4 year)  
 Ohio: Supervisor/Director, provisional (4 year)  
 Massachusetts Office for Children: Toddler/Pre-School

### **DISSERTATION:**

An analysis of the attitudes of public and private parents and students of Yonkers, New York, regarding the Yonkers Public Schools' voluntary student transfer desegregation remedy.

Director: Ron Nuttall, M.P.H., Ph.D., Boston College School of Education

The Yonkers Public Schools are involved in a court-ordered desegregation plan which uses a balloting system and a district in which each school has a magnet interest to interracially mix students using mostly voluntary transfer. This study surveyed the attitudes of public and parochial parents and students of Yonkers using a questionnaire designed to measure attitudes based on four scales: attitudes toward desegregation, attitudes toward race relations, attitudes toward school, and attitudes toward magnet schools / choice. It was hypothesized that students educated under the desegregation plan for a greater portion of their schooling would have more favorable attitudes than those who stay in their neighborhood school. Furthermore, public parents and students were hypothesized to have better attitudes than parochial parents and students except with regard to school. As predicted, students were more favorable than parents with respect to race and school. Parents and students who volunteered to travel were more favorable to choice and race relations. No strong relationship existed between grade levels of students. Differences between public and parochial attitudes were as predicted. Some of the demographic-related results included findings that females are significantly more favorable to desegregation, race relations, and school than males and males were more likely to hold racial stereotypes. Also, Hispanics were strongly favorable to desegregation and Asian students were strongly more favorable to race relations (more than Black students). Furthermore, participants who reported having more friends of different races and/or more interracial neighborhood encounters showed more favorability to desegregation, race relations, and choice, supporting Allport's contact theory.

### **CHAPTERS IN BOOKS:**

- Pachnowski, L. M. (2000). Tools of the profession. In Thompson, S., Kusner, S., Pachnowski, L., and Salzman, J. Decision-Making in Planning and Teaching. Addison Wesley Longman.
- Pachnowski, L. M. (2000). Instructional resources. In Thompson, S., Kusner, S., Pachnowski, L., and Salzman, J. Decision-Making in Planning and Teaching. Addison Wesley Longman.
- Pachnowski, L. M. (2000). Acting on the plan. In Thompson, S., Kusner, S., Pachnowski, L., and Salzman, J. Decision-Making in Planning and Teaching. Addison Wesley Longman.

**PUBLISHED ARTICLES:**

- Lane, C. P., Pachnowski, L. M. (Autumn, 2019). New Takes on an Old Classic: Tic Tac Toe 2.0. MTCircular. American Institute of Mathematics.
- Plaster, K. and Pachnowski, L. (Fall, 2018). Providing meaningful feedback to student math samples using the Mathematical Practices. Ohio Journal of Teacher Education. 32: 37-50.
- Pachnowski, L. M., Saliga, L. M. (Autumn, 2018). Can voting ever really be "fair"? MTCircular, American Institute of Mathematics.
- Saliga, L. M., Daviso, A., Stuart, D., and Pachnowski, L. M. (Spring, 2015). Steps Forward and Back in Adult Numeracy Teacher Professional Development: A Reflection on a Teacher Workshop Experience. Journal of Research and Practice for Adult Literacy, Secondary, and Basic Education. 3(3): 49-55.
- Saliga, L. M. and Pachnowski, L. M. (Fall, 2012). Using Pedagogical Literacy Strategies For High-Stakes Mathematics Assessment Preparation. Ohio Journal of School Mathematics.
- Pachnowski, L., Chaplin, R. (Spring, 2010). Power Algebra: Empowering Students Using Technology, Visual Literacy, and Engagement. Ohio Journal of School Mathematics. 61:14-21.
- Einsporn, R., Pachnowski, L., Quesada, A., and Saliga, L. (Spring, 2007). Ohio's Online Inquiry-Based Math. Ohio Journal of School Mathematics. 55:12-15,17-19.
- Pachnowski, L. M. and Jurczyk, J. (Fall, 2003). Perceptions of faculty on the effect of distance learning technology on faculty preparation time. Online Journal of Distance Learning Administration. 6(3).  
<http://www.westga.edu/~distance/ojdl/fall63/fall63.htm>
- Pachnowski, L. M. (Spring, 2003). "The growth of mastery math programs in Ohio schools." Ohio Journal of School Mathematics.
- Swingle, D. A. and Pachnowski, L. M. (May/June, 2003). "Filling in the Gaps: Modeling Incomplete CBL Data with a Graphing Calculator." International Journal of Mathematical Education in Science and Technology. 34(3).
- Pachnowski, L. M. (March, 2002). "Virtual field trips through videoconferencing," Learning and Leading with Technology. 29 (6). 10-3.
- Pachnowski, L. M. (October, 1999). "Connecting Two Dichotomous Environments Through Distance Learning Technologies." Cause/Effect. 22 (3).
- Kurz, R., Pachnowski, L., Bolt, J. (July, 1999). "Adding Interactivity at a Distance," ED Journal. 13(7), 12-14.
- Olson, S. J. and Pachnowski, L. M. (Fall, 1998). "High School Students in the Virtual Classrooms between the University of Akron and Wadsworth High School." The OATYC Journal. 23(1), 16-19.
- Olson, S. J. and Pachnowski, L. M. (December, 1998 – January, 1999). "Preparing technical instructors for the virtual classroom: Lessons learned." The AETA Journal. 26(2), 6-8.
- Pachnowski, L. M., Newman, I. (1997, Fall). Using the World Wide Web: Suggested Applications and Precautions for Teaching Multiple Linear Regression. Multiple Linear Regression Viewpoints. 24 (1), 25-27.
- Pachnowski, L. M. (1997, Spring). Bookbinding Applications to Math: How Long Should the String Be? Ohio Journal of School Mathematics. No. 35.
- Pachnowski, L. M. (1996, Autumn). The Communications Standard and Proficiency Test Preparation. Ohio Journal of School Mathematics. No. 34.

**NEWSLETTERS**

- Pachnowski, L. M. (ed.) The Telepaedian. (A newsletter of the MedinaLink Distance Learning Project.) Editions: Spring, 1998. Fall, 1998.

**GRANT-RELATED PROJECTS: (Total funded: \$2,410,358 PI (Head writer): \$2,256,476)**

- Saliga, L. M. and Pachnowski, L. M. Fractions, Functions, Ratios, Rates: The Path to Algebra Success. January, 2016. **\$63,397.**
- Saliga, L. M. and Pachnowski, L. M. Common Core Fractions: Modeling and Sense-Making. January 2015. **\$62,809.**
- Pachnowski, L. M., Makki, N., Holliday, G., Plaster, K. UA/Akron OSLN Hub Woodrow Wilson Initiative. October, 2014. **\$15,500.**
- Saliga, L. M. and Pachnowski, L. M. Common Core Fractions: Modeling and Sense-Making. January, 2014. **\$69,629.**
- Pachnowski, L. M., Makki, N., Holliday, G., Plaster, K. UA/Akron OSLN Hub Woodrow Wilson Initiative. October, 2013. **\$25,000.**
- Pachnowski, L. M., Stuart, D., Saliga, L. M., & Daviso, A. Able GED Math Initiative. Ohio Board of Regents Improving Teacher Quality. January, 2011. **\$63,262.**
- Woodrow Wilson Ohio Teaching Fellowship Grant. Woodrow Wilson Foundation/Ohio Board of Regents. March, 2010. **\$1,000,000.**
- Pachnowski, L.M., & Saliga, L.M. Making Mathematics Work! Ohio Board of Education Improving Teacher Quality, October, 2009, \$108,000. (Not funded.)
- Saliga, L. M. & Pachnowski, L. Making Mathematics Work! Ohio Department of Education Mathematics Initiatives. July, 2008. **\$201,819** FY09, **\$219,715** FY10.
- Pachnowski, L. Summer Honors Institute. Ohio Department of Education, December, 2008. **\$72,000.**
- Pachnowski, L. Essex School of Ohio. Ohio Department of Education, November, 2008. \$70,000. (Not funded.)
- Pachnowski, L. Summer Honors Institute. Ohio Department of Education, December, 2007. **\$72,000.**
- Pachnowski, L. Essex School of Ohio. Ohio Department of Education, November, 2007. \$70,000. (Not funded.)
- Quesada, A., Pachnowski, L. "Teacher Professional Development: Mathematics Topics Foundational Calculus" Ohio Department of Education, July, 2007. **\$16,470.**
- Pachnowski, L. Summer Honors Institute. Ohio Department of Education, January, 2007. **\$70,000.**
- Pachnowski, L. "Online HQT Math".. Ohio Department of Education. Spring, 2006. **\$10,000.**
- Pachnowski, L. "Summer Honor Institute Program," Ohio Department of Education. January, 2006, **\$70,000.**
- Quesada, A. and Pachnowski, L. "Math Topics Foundational to Calculus." Ohio Department of Education. June, 2005. **\$69,136.**
- Pachnowski, L. "Online Mathematics", Special Education Intervention Specialist: Meeting HQT Requirements, Ohio Department of Education April, 2005. **\$10,000.**
- Pachnowski, L., Saliga, L. "The Gems Project." Women's Educational Equity Act. April, 2005, \$212,000. (Not funded.)
- Pachnowski, L. "Summer Honors Institute," Ohio Department of Education Grant, June, 2004. **\$62,150.**
- Pachnowski, L., Duff, R.J., Quesada, A., Townsend, G. The Metamorphosis Program: Accelerated Preparation and Investigation of Retention of Math and Science Teachers. Submitted to NSF, October, 2001 and October, 2002. (Not funded.)
- Quesada, A., Pachnowski, L., Einsporn, R., Saliga, L. Ohio's Online Inquiry Math. Ohio Board of Regents Grant. January, 2002. **\$214,592.**
- Langlois, M., Pachnowski, L. M. "A Review of Mathematics and Science Education Courses at a Distance." Ohio Learning Network Grant, July, 2002, \$20,000. (Not funded.)
- Quesada, A., Zachariah, S., Pachnowski, L. Online Inquiry-Based Concepts of Geometry. Ohio Board of Regents Title II Teacher Quality Enhancement Grant. **\$21,776.**
- Einsporn, R., Pachnowski, L. Inquiry Stats Online. Ohio Board of Regents Grant Proposal. January, 2001. **\$9000.**

- Pachnowski, L. M., Midha, C., Einsporn, R. Inquiry Statistics. Ohio Board of Regents Grant Proposal. May, 2000. **\$9000.**
- Pachnowski, L. M. Project ViC (Video-Conferencing). Ohio Learning Network Grant Proposal. Submitted January, 2000. (Not funded.)
- Pachnowski, L. M. Virtual Campus, Ohio Learning Network Grant, July, 1999 (Not funded.)
- Owens, K., Wheland, E., Pachnowski, L., and McNatt, D. Project Numeracy. Eisenhower Grant Proposal, September, 1999. **\$46,500.**
- Project Participant with Bennett, T. and Myers S. Internet 2. Submitted to NSF. Summer, 1998.
- Consultant, Schoolnet "Raising the Bar" grant proposal. In collaboration with Barberton Schools. (Funded.) Summer, 1997.
- Pachnowski, L.M. and Zachariah, S. Eisenhower grant proposal 7.02: Simple Solutions to Authentic Learning. Spring, 1997. (Not funded.)
- Evaluation Director, CORE Math Program (a project of a Knight Foundation Grant), Summer, 1995 - present.
- Evaluation Co-Director, STEM/CORE Math Program. Submitted to NSF, 1996. (Not funded.)
- Technology Consultant, Apple Partners in Education, Fall, 1995. (Not funded.)

#### **INTERNAL GRANT PROJECTS:**

- Pachnowski, L.M., Newman, C., Welton, E., Spickard-Prettyman, S., Varian, A., Harrington Team: Professional Development Schools. May, 2004. **\$6250.**
- Pachnowski, L. M. "Mastery Learning in Secondary Mathematics," College of Education Research Grant, May, 2002. **\$910.**

#### **PRESENTATIONS WITH REFEREED SELECTION PROCESS:**

- Plaster, K. and Pachnowski, L. M. "The Makey Makey Device and Ways to Incorporate It in Your Class", Cleveland State STEM Conference. Cleveland, OH. June, 2019.
- Plaster, K., and Pachnowski, L. M. "Content Assessment Using a Makey Makey," APST3 Conference, Akron, OH. June, 2019.
- Baylor, L. and Pachnowski, L. M. "Girls Who Code: Shaping Their Future", OETC (Ohio Educational Technology Conference), Columbus, OH, February, 2019.
- Baylor, L., Pachnowski, L., Plaster, K. "Girls Who Code," APST3 Conference, Akron, OH. June, 2018.
- Pachnowski, L. M. and Saliga, L. M., "Fractions Research-Based Teaching Strategies for the Key to Algebra Success," STEMCon STEM Conference, Cleveland, OH, April 8, 2016.
- Pachnowski, L. M. "Multiple Representations of Fractions," OCTM Annual Meeting, Cleveland, OH, November, 2014.
- Pachnowski, L. M. and Milam, J. O. "Teaching Middle Level Math and Science Content with Lego Robotics." International Society of Technology in Education. Denver, CO, June, 2010.
- Pachnowski, L. M. and Saliga, L. M. "Preservice middle school teachers mathematical misconceptions evidenced through the use of manipulatives" Midwestern Educational Research Association, St. Louis, MO, October, 2007.
- Pachnowski, L. M. "Virtual Field Trips: Getting the Most Out of the Experience." National Meeting of ISTE/NECC (International Society of Technology in Education), New Orleans, LA, June, 2004.
- Fridman, K., Pachnowski, L. M. Definition of math: The challenges of coding student essays in a content analysis." Midwestern Educational Research Association, Columbus, OH, October, 2003.

- Saliga, L. M., Pachnowski, L. M. "Building an Online Mathematical Community for Demonstrating Inquiry." National Meeting National Council of Teachers of Mathematics. San Antonio, TX, April, 2003.
- Pachnowski, L. M. , Jurczyk, J. "Perceptions of Faculty on the Effect of Distance Learning Technology on the Teaching/Learning Process." Midwestern Educational Research Association, Columbus, OH, October, 2002.
- Pachnowski, L. Literature Integration in the Middle Level Math Class: So Many Books, So Many Activities." Regional Meeting, National Council of Teachers of Mathematics. Columbus, OH, September, 2001.
- McNatt, D., Pachnowski, L. "Project Numeracy: Content Knowledge and Classroom Application." Regional Meeting, National Council of Teachers of Mathematics. Columbus, OH, September, 2001.
- Bishop, D., Andre, B., Croley-Bennett, J., Pachnowski, L. "Selecting the Best Web Course Management System for Your Campus," Navigating 2000: Building Content for Ohio's Learning Intranet, Ohio Learning Network Annual Conference, Columbus, OH, October, 2000.
- Pachnowski, L., Mitchell, S. "Assessing Students in Distance Teaching: What Are My Options?" Distance Learning 2000, Madison, WI, August, 2000. Paper in Conference Proceedings: Pachnowski, L. and Mitchell, S. (2000, August). Creating alternative student assessments for distant learning environments.
- Parsons, C., Pachnowski, L., Bode, C., and Shorter, G. "Virtual Learning: An Oxymoron," Buckeye Association of School Administrators Conference, February, 2000.
- Pachnowski, L. M. "Correlating Self-Directed Learning with Distance Learning Success," Eastern Education Researchers Association, Clearwater, FL, February, 2000. ERIC Document ED 441 000.
- Pachnowski, L. M. "Making Predictions for the Future: Using Lines of Best Fit," T3 (Teachers Teaching with Technology) Conference, Columbus, OH, January, 1999.
- Pachnowski, L. M. "Spreadsheet Lessons in the Elementary Math Classroom: Authentic, Easy, and Fun!" Annual Meeting, National Council of Teachers of Mathematics, Washington, D.C., April, 1998.
- Pachnowski, L. M., Lewis, W., and Lavelli, L. "Integrating Mathematics and the Arts: Lessons From Experience," Regional Meeting, National Council of Teachers of Mathematics, Cleveland, OH, November, 1997.
- Olson, S. and Pachnowski, L. "Fiber-Optic Two-Way Teaching," Fall Conference, Ohio Association of Two-Year Colleges, Piqua, OH, October, 1997.
- Pachnowski, L. M. "Teachers' Definition of Math: Creating and Implementing an Instrument," Midwestern Educational Research Association Annual Meeting, Chicago, IL, October, 1997. ERIC Document ED 417 941.
- Pachnowski, L. M. "Using Mailing Lists to Better Manage Student Advisement," The Electronic Campus Conference 1997, March, 1997.
- Pachnowski, L. M., Newman, I., and Jurczyk, J. "Immediate Data: The World Wide Web as a Resource for Teaching Research Methods," Annual Meeting, Eastern Educators Research Association, Hilton Head, SC, February, 1997. ERIC Document ED 409 361.
- Pachnowski, L. M. "The Internet: A Powerful Resource for Researchers", Eastern Education Research Association Regional Meeting, Boston, MA, February, 1996. ERIC Document ED 393 447.

### **INVITED PRESENTATIONS:**

- Pachnowski, L., M., Walls, J., Gulley, K., "The Unique Challenges of Teaching Math in Urban Settings", OCTM Annual Meeting, Sandusky, OH, October, 2019.
- Pachnowski, L., Lane, C., Saliga, L., Eisenbraun, J., . "Strategies, Best Practices, and Challenges in Running a Math Teacher Circle," OCTM Annual Meeting, Akron, OH. October, 2018.

- Lane, C., Pachnowski, L. Saliga, L., Eienbraun, J. "Conway's Rational Tangles: A Math Teacher Circle Session," OCTM Annual Meeting, Akron, OH. October, 2018.
- Pachnowski, L. M., Plaster, K. "Informal K-12 Coding: The Why's and How's". NSF Includes Meeting. Akron, OH. March, 2017.
- Pachnowski, L. M., Plaster, K. "Why the emphasis on Coding? And what can schools and teacher preparation programs do to take advantage of the momentum?" OCTM Annual Meeting, Columbus, OH. October, 2017.
- Plaster, K. and Pachnowski, L. M., "Coding Mashup", OCTM Annual Meeting, Columbus, OH. October, 2017.
- Saliga, L. M., Pachnowski, L. M. "Improving Algebra Knowledge in Middle and High School Students." OCTM Annual Meeting. Sandusky, OH. October, 2016
- Pachnowski, L. M. "Flipping the PD: Formative Assessment Strategies in Math," OCTM Annual Meeting, Dayton, OH, October, 2013.
- Holliday, G., Plaster, K., Pachnowski, L., "Using Recording and Note-Taking Devices to Improve Mathematics Instruction," OCTM Annual Meeting, Columbus, OH, October, 2012.
- Pachnowski, L., Plaster, K., et. al. "The Woodrow Wilson Math Teaching Fellow Preparation Program." OCTM Annual Meeting, Toledo, OH, October, 2011.
- Pachnowski, L. M. Math Collaboration at the National Inventors Hall of Fame School Center for Science, Technology, Engineering, and Math Learning. (And subsequent tour of school.) OCTM Annual Meeting, Akron, OH October, 2010.
- Pachnowski, L. M., Saliga, L. M. Beyond the Rules and Into the Why's of Mathematics. OCTM Annual Meeting, Cincinnati, OH. November, 2009.
- Pachnowski, L. M. Flatland: The Movie (and Other Dimensional Stories from Film and Literature). OCTM Annual Meeting. Columbus, OH. October, 2007.
- Pachnowski, L. M. and Farrell, A. Online Secondary Math in Ohio: The DLW Project. OCTM Annual Meeting, Toledo, OH, October, 2006.
- Pachnowski, L. M. Finding and Using Java Applets to Enhance Your Teaching. OCTM Annual Meeting, Dayton, OH, October, 2005.
- Pachnowski, L. M. "Webquests for the Math Classroom," OCTM Annual Meeting, Akron, OH, October, 2004.
- Pachnowski, L. M., Einsporn, R., Quesada, A., Saliga, L., Wheland, E. "Ohio's Online Inquiry-Based Math," OCTM Annual Meeting, Cleveland, OH, October, 2003.
- Pachnowski, L. M. "Mastery Learning in Mathematics." OCTM Annual Meeting, Cincinnati, OH, October, 2002.
- Einsporn, R. and Pachnowski, L. M. "Inquiry-Based Statistics," Ohio Board of Regents Title II Conference, April, 2002.
- Pachnowski, L. M. "The Math Reading List: Mathematically-Based Works of Literature," OCTM Annual Meeting, Toledo, OH, October, 2000.
- Pachnowski, L. M. "Authentic Activities Using Data From the Web," OCTM Annual Meeting, Dayton, OH, September, 1999.
- Pachnowski, L. M. "Meeting Face to Face with Video-Conferencing", Building a Community of Leaders Conference. Honolulu, Hawaii, March, 1999.
- Pachnowski, L. M., Myers, S., and Bennett, T. Internet 2 Day Conference, University of Akron. October, 1998.
- Pachnowski, L. M. "The Praxis III Assessment and Pathwise -- What Teachers Can Expect", Annual Meeting, Ohio Council of Teachers of Mathematics. Akron, OH. October, 1998.
- Pachnowski, L. M. "Math lessons which integrate computer spreadsheets", OCTM Annual Meeting, Cleveland, OH, October, 1996.
- Pachnowski, L. M. "Math lessons which integrate computer spreadsheets", GAMES Mini-Conference, Hoban High School, Akron, OH, January, 1997.
- Pachnowski, L. M. "Integrating the concept of the fourth dimension of space in the high school geometry course." Annual meeting, Ohio Council of Teachers of Mathematics, Cleveland, OH. October, 1995.

### **OTHER PROFESSIONAL PRESENTATIONS:**

In-service on graphing calculators and spreadsheets in the classroom. Central Hower High School Math Department. December, 1996.  
"Gender Equity in the Math Classroom", Project Discovery Summer Training, Kent State University - Stark Campus, July, 1995.  
"Journal-Writing in the Math Classroom", Project Discovery Summer Training, Kent State University - Stark Campus, June, 1995.  
Co-Presenter, Graphing Calculator Workshop for Teachers, Medina Career Center, April, 1994.  
SAT Preparation Course Teacher Inservice, CompuQuest, Inc., San Francisco, CA, June 14, 1993.

### **PROFESSIONAL CONSULTATION**

Norton Public Schools, High School Math Department. Textbook Selection Process. September, 2008. November, 2008.  
Norton Public Schools. March, 2008. April, 2008.

### **DEVELOPMENT OF CURRICULAR MATERIALS**

Pachnowski, L. and Deloit Johnson, I. Ohio Resource Center. *catalyst* Ohio Resources Capstone Project. Integrating Calculators Into the K-12 Math Classroom. Summer, 2005-Spring, 2006.

### **DISTINCTIONS:**

**Ohio Board of Regents Teaching Fellow in Math and Science** January, 2004 – 2007

Ohio Board of Regents, Columbus Ohio, chaired by Dean Tom Lasley of the University of Dayton

With Dr. Antonio Quesada of the Dept. of Theoretical and Applied Mathematics, University of Akron, have worked with the Fellows in planning and implementing a state-wide conference, have consulted on state teacher research and have worked on documents forming a view of inquiry-based math and science teaching in Ohio.

**Harrington Chair** 2003-2005.

An endowed chair award granted for outstanding teaching. Performed service to the college including technology use and urban teaching interest.

Recipient, College of Education Teaching Award, 2004.  
Recipient, College of Education Service Award, 1999  
Nominated, College of Education Teaching Award, 1997, 1998  
Nominated, College of Education Service Award, 1997, 1998  
Presented Most Outstanding Instructor Award by the students of Upward Bound, Summer, 1993, 1995, 1996.

**AREAS OF TEACHING AND RESEARCH INTERESTS:**

Mathematics Teaching Methods  
Use of Computers in Instruction  
    especially resources via the Internet  
Women's Issues in Education and Math  
Distance Learning

**OTHER TRAINING OR PROFESSIONAL DEVELOPMENT:**

NCTM Program Reviewer Training, Columbus, OH, January, 2002  
Equals Seminar toward the promotion of women and minorities in mathematics.  
    Cleveland State University, November, 1986 - May, 1987.  
Leadership Seminar, Cleveland State University, September, 1980.

**STATE-WIDE SERVICES**

East District Director, Ohio Council of Teacher of Mathematics (OCTM), 2019-2022.  
President, Ohio Mathematics Education Leadership Council (OMELC), 2019-2020.  
Board Member (Higher Education Rep), Ohio Mathematics Education Leadership  
    Council, 2018-2021.  
Chair, Volunteer Committee, OCTM Annual Meeting, Akron, OH. 2018.  
Co-Chair, Publicity Committee, OCTM Annual Meeting, Akron, OH, 2011.  
Online Instructor, Special Education Intervention Specialist: Meeting Highly Qualified  
    Teacher Requirements, Summer, 2006.  
Online Instructor, Special Education Intervention Specialist: Meeting Highly Qualified  
    Teacher Requirements, Summer, 2005.  
Member, Ohio Board of Regents Teaching Fellows (with Dr. Antonio Quesada) January,  
    2004 – 2007.  
Co-Chair, Exhibit Committee, OCTM Annual Meeting, Akron, 2004  
Consultant, DLW Assessment Committee, Ohio Resource Center, May, 2004, April,  
    2005.  
Member, Curriculum Sub-Committee. Ohio Board of Regents Online Master's in Math  
    and Science Education. April, 2001 – June, 2002  
Co-Chair, Registration Committee, OCTM Annual Meeting, Akron, 1998.

**LOCAL SERVICE**

Board Member (Treasurer), Greater Akron Math Educators Society (GAMES), 2020-2023.  
Board Member (Higher Ed), Greater Akron Math Educators Society (GAMES), 2018-20.  
Team Member (Higher Ed), Rubber City Math Teacher Circle, 2016-present.

**UNIVERSITY SERVICE/OFFICES HELD:**

Member, AAUP Contract Negotiating Team, 2014-15.  
Chair, University Distance Learning Steering Committee, 1998-present. Member, 1996 -  
    2000.  
Member, Vice President of Technology Search Committee, Fall, 1999.  
Member, UA-Medina Distance Learning Collaborative, Steering Committee, 1996 - 2000.  
Member, UA-Medina Distance Learning Collaborative, Curriculum Committee, 1996 -  
    2000.  
Member, Provost Search Committee (College of Education Rep.), 1996-1997.  
Member, Student Affairs Committee, University of Akron, 1993 - 1998.  
Member, Multi-Media and Alternative Instructional Methods Ad Hoc Committee,  
    Spring, 1995.

Member, University Review Committee for the Department of Developmental Studies, Spring, 1996.

Member, University Review Committee for the Department of Counseling and Special Education, Fall, 1996.

**COLLEGE OF EDUCATION SERVICE/OFFICES HELD:**

Chair, College Council, College of Education, 2017-20.

Faculty Advisor, Akron College of Education Students, 2017-present.

Faculty Advisor, University of Akron Council of Teachers of Mathematics (ZipsTeachMath), 2019-present.

Chair, College Council, College of Education, 2013-15.

Member, Graduate Curriculum Committee. U. of Akron, College of Education, 2010-2012.

Member, Technology Committee, U. of Akron, College of Education, 1993 – 2007..

Chair, Technology Committee, 1994 - 95, 1995 - 96 and 2005-06, 2006-07.

Member, Teacher Education Assembly, U. of Akron, College of Education, 1995-1997, 2000 – present.

Secretary, College Council, U. of Akron, College of Education, Fall, 1996 - 1999.

Member, Technology Director Search Committee, 1998.

Member, Teacher Education Evaluation Committee, U. of Akron, College of Education, 1995 - present.

Team Leader, "Professional Issues in Education" Course, U. of Akron, College of Education, 1995 - present.

Member, Math Educator Search Committee, U. of Akron, College of Education, Fall, 1995.

Member, Integrating Art in the Curriculum, U. of Akron, College of Education, Summer, 1996.

Co-Director, UTEC (Urban Teacher Education Collaborative), Fall, 1994 - Spring, 1995.

Member, Technology Director Search Committee, U. of Akron, College of Education, Fall, 1994.

Member, Graduate Studies Advisory Committee, U. of Akron, College of Education, Academic Year, 1993-94.

Member, Science Educator Search Committee, U. of Akron, College of Education, Spring, 1994.

**SIGNIFICANT DEPARTMENTAL SERVICES:**

Member, C&I Dept Representative, College Building Committee. 2008-2010.

Chair, Department RTP Committee, 2006-07, 2007-08, 2019-20, 2020-21.

**OUTSIDE SERVICES/OFFICES HELD:**

Reviewer, OBR/NCTM Program Review of an Ohio College, Summer, 2006.

Reviewer, OBR/NCTM Program Review of an Ohio College, Fall, 2002.

Reviewer, East Ohio Gas Co. STAR Awards. Spring, 1997.

Reviewer, Teaching Math in the Middle School, 1993 - present.

**POLICY/CURRICULUM INTIATIVES:**

NCATE NCTM (SPA) training, January, 2007.

NCATE SPA Report, Secondary Mathematics, Fall, 2001.

NCATE folio, Secondary Mathematics Certification, Fall, 1996.

NCATE folio, k-12 Computer Science Certification, Fall, 1996.

**PROFESSIONAL ORGANIZATIONS:**

Member, American Mathematics Educators Association, 2001 – present.  
Member, International Society for Technology in Education, 1995 - 2010.  
Member, National Council of Teachers of Mathematics, 1986 - 1988, 1993 - present.  
Member, Phi Delta Kappa. Boston College Chapter, April, 1991 – 1998. University of Akron Chapter, 1998 – 2004.  
Member, Ohio Council of Teachers of Mathematics, 1994 - present.  
Member, Greater Akron Math Educators Society, 1994- present.  
Member, School Science and Math Association, 2004 - 2005.  
Member, Association for Supervision and Curriculum Development, 1994 - 1995.  
Member, Association of Computing Machinery, 1995 - 1996.

**COMMUNITY INVOLVEMENT:**

Co-founder/co-facilitator, Akron Girls Who Code Club. September, 2016 – present.  
Judge, First Lego League Regional Tournament, January, 2012  
Interviewer, University of Akron Upward Bound Student Selection, January, 2012.  
Member, Mathematics Textbook Selection Committee, Akron Public Schools, Spring, 2012.  
Member, Advisory Board, Cuyahoga Valley Career Center Teaching Professions Program, 2004.  
Volunteer, College of Education Exhibit, Inventure Place Opening Weekend, July, 1995.  
Member, Math and Science Working Council, Summit Education Partnership Foundation, Summit County Schools. January, 1995.