

Annie Yi Han

EDUCATION

ED.D. Mathematics Education with Emphasis in Bilingual/Bicultural Education, Teachers College-Columbia University, New York, May 1998.

M.S., Mathematics Education with Emphasis in College Mathematics Teaching, Teachers College-Columbia University, New York, Awarded February 1992

M.A., Mathematics Education with Emphasis in Secondary School Mathematics Teaching, Teachers College-Columbia University, New York, Awarded May 1990

B.S. Materials Science Engineer, Beijing University of Science and Technology, China, Awarded January 1982.

EXPERTISE AND ACHIEVEMENTS

Professional Awards:

Salzburg Seminar Fellow – International Study Program – College and Universities as Sites of Global Citizenship, July 2007, Salzburg, Austria.

A Fulbright Fellow 2003-2004, Group Research Project Abroad - History of Chinese Mathematics Seminar in China.

Scholarly Achievements Recognition, “*Salute to Scholars*” of the City University of New York, 2002 & 2003.

INPUT Award, American Mathematics Association of Two-Year College, 2001.

A Partnership In Education Award, Board of Education of the City of New York, Office of English Language Learners, Asian Languages Bilingual Education Technical Assistance Center, 2002.

American Mathematics Society **travel support for attendance at the International Congress of Mathematicians in Beijing China Award**, 2002

College Nominee of **David R. Pierce Faculty Technology Award** 2001; **Feliks Gross Endowment Award**, 2002

Teaching Experience:

Professor at Borough of Manhattan Community College/CUNY, N. Y. (2/98-present) Integration of computer technology and Mathlets into Statistics classes; incorporating hands-on mathematical modeling into the mathematics for elementary teachers courses to help student understand mathematical concepts and increase students’ positive learning attitudes. Integration of the students research projects of history of mathematics into mathematics classes; use of Writing Across the Curriculum techniques in mathematics classes to increase students' mathematical learning confidence. Teaching a distance learning statistics course. Conducting (9/03-6/05) in-service teacher development research on Japanese Lesson Study with PS/MS34 (Region 10); working with the teachers and mathematics coach on a weekly basis.

Adjunct Professor at The City College of New York/CUNY, N. Y. (9/02 – 12/07) Graduate courses taught: Teaching Content (Math, Science, Technology) using both English and Native Language; Inquiry Science Pre K-6; Mathematics for pre-k to 6 Teachers; and Content Research in Bilingual Education.

Adjunct Professor and a Student Teaching Supervisor at Teachers College - Columbia University, N. Y. (5/92-5/97, 1/02-5/02, 5/03-present) Teach a graduate course: Curriculum and Method for Bilingual Teachers

(Mathematics/Science); intensive review of curriculum and methods appropriate to the teaching of mathematics/science in bilingual instructional settings; successful integration of language and culture with mathematics/science and the education curriculum; field supervision of pre-service and in-service student teachers; actively work with students in various research projects; collaboration with colleagues in quantitative research on Dual-Language program at New York City Public School and an ethnographic research on code-switching among Asian and Haitian children. Coordinated the Eleventh (2004) Annual Statewide Roundtable for Educators of Asian LEP/ELL. Coordinated the Second (2003) Statewide Chinese Teachers Conference. Coordinated the Second (1994) Bilingual/Multicultural Summer Institute of Teachers College

Project Trainer at Teachers College - Columbia University, N.Y. (9/91-9/93) Proposal writing within a continuously funded Title VII program; conducting teacher training research and work shops; conducting ethnographic research on bilingual mathematics classroom teaching.

Bilingual Consultant for Board of Education New York City Public Schools, N.Y. (11/91- 6/93, 1/97- 12/97) Ongoing staff development training; coordinating the 97' Chinese Painting Contest State-wide; coordinating the developing of Chinese-English Mathematics Glossary; demonstration of lessons on the use of mathematics manipulatives in middle schools; presentations for urban elementary teachers on understanding Asian culture; workshops on integrating the Chinese abacus into the American elementary mathematics classroom; parent involvement-workshops for new immigrant parents showing that mathematics and science learning can be done in the kitchen, supermarket, and playground; development of a bilingual mathematics teacher's manual.

Bilingual Mathematics Teacher in New York City Public School District 20, Brooklyn, and District 27, Queens. (9/89-8/93, 4/95-8/96) Teach self-contained combined 7th and 8th grade bilingual Chinese class. Daily classroom activities include: integration of language and culture with mathematics, science, and the education curriculum; integration of computer technology into mathematics and ESL classes; demonstration of the practical/relevant nature of mathematics and science for ethnic Chinese LEP students; use cooperative learning techniques, group project activities, and portfolios in Regents Math and Earth Science classes to increase students' mathematical and scientific confidence and to promote positive learning attitudes. Authored four "*Improved School Services*" grant proposals; conducted quantitative study on middle-school ethnic Chinese students' mathematics achievement

COMMITMENT

Chair of Mathematics Department, 7/2008-present, Supervising about 200 mathematics faculty and staff, chaired the department P&B committee, in charge of mathematics department administration duties (50 Full-time and 148 Adjunct mathematics faculty members in Mathematics Department).

Acting Chair of Mathematics Department, 9/2003-2/2004, Supervised 150 mathematics faculty, chaired the department P&B committee, in charge of mathematics department administration duties (40 Full-time and 120 Adjunct mathematics faculty members in Mathematics Department).

Chair of Mathematics Department Adjunct Committee, 1999-2004, developed the first draft of the Adjunct Handbook for part-time faculty in mathematics department (will be finalized in the next Adjunct Committee meeting; planning the Annual Adjunct Faculty Orientation.

Member of Mathematics Department Calculus Committee, 1998-1999, **New-Course Committee**, 1998-1999; **MAT200 Committee**, 1998-2000; **Technology Committee**, 1998-2001; **Statistics Committee**, 1998-present; and Participated in all committees' activities.

Mathematics Department Liaison to the Teaching/Learning Center, 2001- 2005.

Co-Chair of BMCC Asian-Heritage Month Committee, 2007-2008, 2001-04, 1999-00: coordinated the Asian Heritage Month activities, which include fund raising, student and faculty activities, etc.

BMCC Scholarship Committee, 2002 – 8/2008.

Member of BMCC Writing Across the Curriculum Committee, 1999-2004: involved in the committee and sub-committee activities which include participating in developing the College 5-yr WAC Plans and College WAC Assessment questions; worked with a writing fellow in MAT150 statistics class.

Member and Secretary of BMCC Study Abroad Committee, 2000-2006, participating in all committee activities.

Chair and Founder of Blue Sky Asian-American Research Foundation - directing all on-going activities promoting knowledge and understanding of Asian culture and heritage in the US and assisting in the multicultural enrichment of Asian-American children, their families, and other people in their communities (1995-present).

Director/Founder of Blue Sky Chinese School for Children - Designed the Children's Chinese Curriculum for this weekend school; supervise teachers and all administrative duties; liaison between the community and school (9/95-present).

Board Member and Treasurer of Greater New York Association for Asian and Pacific American Education (1993-present). A Chapter of the National Association Asian Pacific American Education. Conference Committee Co-Chair for the 2002, 2004, 1993, 2005 NAAPAE Annual National Conference.

PRESENTATIONS & PUBLICATIONS (last 7 years)

Mathematics in Pre-service Elementary School Teacher Programs in China and the US. Curriculum, Teaching Material and Method(课程 教材 教法) Spring 2008, Beijing, China.

Doctorate of Mathematics Education Programs in China – A Bright Future. Paper was submitted to Journal of Mathematics Education, China, 2008

Hidden Jewels: Chinese Immersion Programs in the San Francisco Unified School District. Paper was Submitted to National Association Asian Pacific American Education, AERA, Fall 2007.

Math Professional Resources Handbook – Grade K, Editor, Houghton Mifflin, Boston, Summer 2007.

Classification, positions and Patterns. Math Professional Resources Handbook – Grade K, Houghton Mifflin, Boston, Summer 2007.

Operations with Decimal. Math Professional Resources Handbook – Grade 5, Houghton Mifflin, Boston, Summer 2007.

Money and Time. Math Professional Resources Handbook – Grade 1, Houghton Mifflin, Boston, Summer 2007.

Mathematics in Pre-service Elementary School Teacher Programs in China and the US. Paper was presented at Mathematics Association America MathFest 2007, San Jose, CA, August 2007.

Doctorate of Mathematics Education Programs in China – A Bright Future. Paper was presented at Mathematics Association America MathFest 2007, San Jose, CA, August 2007.

From Theory to Practice: Integration of Math and Science into the Bilingual Curriculum. Paper was co-presented at CCNY-CUNY, *The New Educator Conference: Building and Sustaining Learning Communities in Challenging Times.* New York, NY, October, 2006

Mathematics Curriculum in Qing Dynasty. Paper was presented at Mathematics Association America MathFest 2006, Knoxville, Tennessee, August 2006.

Hidden Jewels: Chinese Immersion Programs in the San Francisco Unified School District. Paper was co-presented National Association Asian Pacific American Education 2006 Annual Conference, Washington DC, April 2006.

Math Wars in China: They Know What They Don't Know. Paper was presented at MAA-AMS Joint Meeting, San Antonio, Texas. January 2006.

Mathematics Education Reform in China. Paper was an invited presentation at the Mathematics Education Colloquium at Metro Math Center of Graduate Center - CUNY, NY, October 2005.

Self-Designated Dual-Language Programs: Is There a Gap Between Labeling and Implementation? *Bilingual Research Journal*, 29(2), 453-474, 2005.

Conducting a Mathematics Teacher Education Research. Paper was an invited presentation at the Southwest China Normal University, Chongqing, China. August 2005.

Mathematics Education Reform in United States. Paper was an invited presentation at the Southwest China Normal University, Chongqing, China. August 2005.

Integrating the Mathlets into the College Mathematics Classroom. Workshop presentation at BMCC/CUNY Faculty Development Summer Workshop, New York, June 2005.

Teaching Mathematics On-line using the Mathlets as a self-learning tool. Workshop presentation at BMCC/CUNY Faculty Development Summer Workshop, New York, June 2005.

Summary of Mathematics Education in China from Ancient to Present. Paper was an invited presentation at the "Program for International Student Assessment (PISA) Seminar", Teachers College, Columbia University, March 2005

Integrating the Mathlets into the Statistics Curriculum. Workshop presentation at BMCC/CUNY Faculty Development Summer Workshop, New York, June 2004.

Dual-Language Program?: A closer look at self-designated dual language programs in NYC. Paper co-presented at American Educational Research Association Annual Meeting, San Diego, CA, April 2004.

Probability. *Math Professional Resources Handbook*, Houghton Mifflin, Boston, Vol. 4, 43-46, 2003

Number Through 100. *Math Professional Resources Handbook*, Houghton Mifflin, Boston, Vol. 2, 10-14, 2003

Addition and Subtraction Facts Through Ten. *Math Professional Resources Handbook*, Houghton Mifflin, Boston, Vol. 1, 9-14, 2003

Chinese and English Mathematics Language: The Relation between Linguistic Clarity and Mathematics Performance. *Mathematical Thinking and Learning*, 2(2&3), 201-220, 2001.

Chinese Mathematics Pedagogy and Practice: What Can We Learn? *Mathematics Education Dialogues*, NCTM, (11) 2001.

Incorporating Student Research Projects on History of Mathematics into the Mathematics Teaching. *Inquirer*, (10), 6-8, 2003,

Integrating the Mathematics Applets into the Mathematics Teaching. Manuscript submitted for publication, 2003.

Teaching and learning Mathematics Through the Language Roots. Manuscript submitted for publication, 2003.

Integrating the Mathlets into the Statistics Curriculum. Paper was an invited *Input Award* presentation at the American Mathematics Association of Two-Year Colleges, Phoenix, AZ, 2002.

Teaching College Statistics with Technology. Paper presented at the International Congress of Mathematicians 2002, Beijing, China, August 2002.

Using the History of Mathematics as an Introduction to a Critical and Cultural Study of Mathematics. Paper presented at ICM-2002 Satellite Conference: International Colloquium on the History of Mathematics, Xian, China, August 2002.

Integrating the Mathlets into the Statistics Curriculum. Paper presented at the ICM-2002 Satellite Conference on Mathematics Education, Lhasa, China, August 2002.

Teaching and Learning Mathematics Through the Language Roots. Paper Presented at the 84th Annual Conference of Mathematical Association of America (MAA), New Orleans, January 2001.

Teaching Statistics Through the Language Roots. Paper presented at the teachers Learning Center of BMCC, May 2000.

Using Technology in Teaching Mathematics. Paper presented at the New York State Mathematics Association of Two-Year Colleges (NYSMATYC) Region IV Conference, New York, October 2000.

OTHER FACTS

Recipient of US Department of Education Title VII Fellowship, 1991-1993

Recipient of Empire State Challenger Fellowship, 1989

Life-member of

American Mathematics Association of Two-years Colleges

American Mathematics Society

Member of

National Council Teachers of Mathematics, 1990-present

Mathematical Association of American, 2000-present

National Association for Asian and Pacific American Education, 1989-present

Asian American Higher Education Council, 1990-present

National Association of Bilingual Education, 1989-1999

New York State Association of Bilingual Education, 1990-1999

American Educational Research Association, 1991-1999

Officer of Greater New York Association for Asian and Pacific American Education, 1994-present

Chair of Blue Sky Asian-American Research Foundation, 1996-present

Officer of New York Bilingual Chinese Educators Committee, 1989-1998