
Arundhati Anand Velamur

Postdoctoral Fellow, Institutt for L  rerutdanning | NTNU

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EDUCATION

Ph.D., Teaching and Learning 2024

New York University, New York NY

Dissertation: *Mathematics in the Margins: Politics and the Production of Subjectivity*

Chair: Professor Jasmine Y. Ma

Committee Members: Dr. Maisie Gholson, Dr. Achey Susan Jurow, Dr. Miwa Takeuchi

M.A. Mathematics Education 2014

Teachers College, Columbia University, New York NY

M.Sc. Mathematics 2010

Indian Institute of Technology Bombay, Mumbai, India

Thesis: *Differential Topology and Vector Fields on Spheres*

Advisor: Professor Akhil Ranjan

B.Sc. Mathematics 2008

St. Xavier's College, University of Mumbai, Mumbai India

ACADEMIC APPOINTMENTS

Postdoctoral Fellow, Institutt for L  rerutdanning 2025 –
NTNU, Trondheim NO

Assistant Professor of Mathematics 2024 – 2025
Bard High School Early College Bronx, New York NY

Adjunct Faculty, Teaching & Learning 2022 – 24
NYU Steinhardt School of Culture, Education, and Human Development

Adjunct Faculty, Mathematics Education 2019 – 23
NYU Steinhardt School of Culture, Education, and Human Development

Mathematics Faculty Member <i>Bard High School Early College Queens, New York NY</i>	2014–18
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Faculty, Bard DNA Summer Program <i>Bard Diverse Network of Action, New York NY</i>	2018
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PROFESSIONAL LICENSURE

Mathematics 7-12 Professional Certification <i>New York State Department of Education, New York NY</i>	2024
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GRANTS AND AWARDS

NYU Steinhardt Dissertation Finishing Award <i>New York University, New York NY</i>	2023
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NYU Global Research Initiative Summer Dissertation Writing Fellowship <i>New York University, New York NY</i>	2023
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Steinhardt Doctoral Fellowship <i>New York University, New York NY</i>	2018
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Fellow, Teacher Leadership Program <i>Park City Mathematics Institute, Park City, Utah</i>	2017
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Early Career Fellowship <i>Math for America, New York NY</i>	2016
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The Inlaks International Scholarship for Postgraduate Study <i>The Inlaks Shivdasani Foundation, Mumbai, India</i>	2012
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The Teachers College Scholarship <i>Teachers College, Columbia University, New York NY</i>	2012
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Summer Research Fellowship <i>Indian Academy of Sciences, Bangalore, India</i>	2007
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NOTABLE RESEARCH POSITIONS

Lead PI, Postdoctoral Project in Critical Mathematics Education <i>NTNU, Trondheim NO</i>	2025 –
Organizer, Interaction Analysis Laboratory (IAL) <i>New York University, New York NY</i>	2022 – 23
Research Assistant, NSF NOYCE Research Program <i>New York University, New York NY</i>	2022 – 23
Editorial Assistant, International Journal for the History of Mathematics Education <i>Teachers College, Columbia University, New York NY</i>	2013 – 14

SELECTED PRESENTATIONS

- Velamur, A.** (upcoming). Mathematics as a Social-Cultural Practice: A Phenomenology from the Margins. *35th Novembertagung*, November 2025, Nancy, France.
- Velamur, A.** (2024). Mathematics around the kitchen table: Social, interactional, and embodied negotiations in knowledge production. *Annual Meeting of the Society for Social Studies of Science*, July 2024, Amsterdam, Netherlands.
- Velamur, A.** (2024). Between Dead-ends and Meatballs: Mathematical Practice as Embodied and Interactionally Accomplished. *Annual Meeting of the International Society of the Learning Sciences*, June 2024, Buffalo NY, USA.
- Velamur, A.** (2023). The cultural politics of mathematics: Resistance and refusal at a mathematics conference. *Annual Meeting of the American Studies Association*, November 2023, Montreal, Canada.
- Velamur, A., Blake, A., ... , & Barrales, W.** (2023). “We Do Better Math When We’re Together”: Learning Mathematics From The Margins. *Annual Meeting of the International Society of the Learning Sciences*, June 2023, Montreal, Canada.
- Velamur, A., Blake, A., & Radke.** (2023) Mathematics and the empire: Refusing official scripts. *12th Mathematics Education and Society Conference*, July-August 2023, São Paulo, Brazil.
- Radke, S., & Velamur, A.** (2022). Queer Orientations as Resources for Mathematics Learning. *Annual Meeting of the International Society of the Learning Sciences*, June 2022, San Diego CA, USA.

Velamur, A., Gholson, M., Mendick, H., Radke, S., Ma, J. Y., Berge, M., Ottemo, A., & Silfver, E. (2021) Researching experiences of mathematics: Black/feminist and queer lenses. *11th Mathematics Education and Society Conference*, October 2021.

Waid, B., **Velamur, A.**, Moore, A. S., & Whipple, K. S. (2021) Disrupting normativity in mathematics education: Meeting queer students at the intersection of their queer and mathematics identities. *11th Mathematics Education and Society Conference*, October 2021.

Ma, J. Y., Della Volpe, D., **Velamur, A.**, Ahmed, S. Z., Ohm, P. (2021) Interrogating common-sense assumptions toward a more just mathematics education. *Mathematics Education and Society Conference*, October 2021.

Velamur, A. (2020). Learning From Collective Memory: Stories From a Singing Class for Returning Adult Learners. *Annual Meeting of the International Society of the Learning Sciences*, June 2020.

PEER-REVIEWED PUBLICATIONS

Velamur, A. & Chen, G. A. (in press). Learning as Rehearsal for Liberation. In J. Ávila, C. Furman, & J. Jones (Eds.), *A Dialogue Between Educational Philosophers & Teacher Educators*. Bloomsbury, London.

Simon, M. A., Della Volpe, D., & **Velamur, A.** (2021). Construction of the cardinality principle through counting: critique and conjecture. *Mathematical Thinking and Learning*, pp. 1-16.

Fletcher, N., **Velamur, A.**, Waid, B., & Dimacali, A. (Eds.). (2013). *Mathematical modeling handbook II: The assessments*. Bedford, MA: COMAP.

CURRENT WORK

Velamur, A. On teaching as *becoming*: How mathematics teachers collaborate on critical climate education. [Ongoing project at NTNU, Norway]

Velamur, A. Affect, materiality, and atmosphere: How learning mathematics feels. [under preparation for peer-review]

Velamur, A. Feminist methods in mathematics education research. [under preparation for peer-review]

TEACHING AND PROFESSIONAL DEVELOPMENT PRACTICE

Educational Studies and Sociological Theory

- American Dilemmas: Race, Inequity, and the Unfulfilled Promise of Public Education
- Adolescent Learners in STEM Education
- Cultural Politics of Mathematics Practice

Mathematics Content

At the high school and university levels

- Problem-based Algebra, Geometry, Trigonometry
- Courses in the Calculus sequence: Calculus I, Calculus II, Elementary Linear Algebra, and Real Analysis
- Other college courses: Applied Mathematics, Explorations in Number Theory, Mathematical Proof & Proving, Modern and Abstract Algebra for Teachers, Fundamental Concepts in Arithmetic

Teacher Professional Development and Pre-service Teacher Training

- Teaching of Geometry
- Teaching of Pre-calculus Mathematics
- Introduction to Computer Science Education
- Queer Pedagogies in Mathematics

OTHER PROFESSIONAL EXPERIENCE IN EDUCATION

Facilitator, Professional Workshops for Teachers <i>Math for America, New York, NY</i>	2016-2021
Facilitator, Professional Workshops for Teachers <i>Teacher Residency Program, NYU</i>	2019-2024
Facilitator, Professional Workshop for Educators and Researchers <i>Annual Meetings of AERA, NCTM, 4S and other Academic Associations</i>	2019

PROFESSIONAL AFFILIATIONS

- American Educational Research Association (AERA)
- American Mathematical Society (AMS)
- International Society of the Learning Sciences (ISLS)
- Mathematics Education and Society (MES)
- National Council of Teachers of Mathematics (NCTM)
- American Studies Association
- Todos: Mathematics for All

- 4S: Society for the Social Studies of Science
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NON-ACADEMIC PROFESSIONAL EXPERIENCE

Unit Representative <i>NYU Graduate Student Organizing Committee - Local 2110, New York NY</i>	2021 & 2023
Bargaining Committee Member <i>NYU Graduate Student Organizing Committee - Local 2110, New York NY</i>	2018
Business Analyst <i>AurionPro Solutions Pvt. Ltd., Mumbai, India</i>	2010-12
