

**Arezoo Islami**  
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## Education

**Ph.D. in Philosophy, Stanford University** (2009 - 2016)  
**M.A. in Philosophy, minor in Linguistics, Texas Tech University** (2007 - 2009)  
**M.Sc. in Philosophy of Science, Sharif University of Technology** (2003 - 2006)  
**B.Sc. in Pure Mathematics, Ferdowsi University of Mashad** (1999 - 2003)

## Employment

**Assistant Professor**  
Department of Philosophy, San Francisco State University (August 2018 - Present)  
**Postdoctoral Fellow**  
Thinking Matters Program, Stanford University (August 2016 - 2018)

## Honors and Awards

**Marcus Early Career Research Award**  
Liberal and Creative Arts College, San Francisco State University, 2023-2024

**LCA Faculty Showcase Speaker**  
Liberal and Creative Arts College, San Francisco State University, April 2022

**Marcus Undergraduate Research Fellowship**  
Liberal and Creative Arts College, San Francisco State University, 2020-2021

**Extraordinary Ideas Grant**  
Liberal and Creative Arts College, San Francisco State University, 2020-2021

**Extraordinary Ideas Grant**  
Liberal and Creative Arts College, San Francisco State University, 2019-2020

**Lane Research Grant in the History of Science, Medicine and Technology**  
Stanford University, 2012 - 2013

**Lane Research Grant in the History of Science, Medicine and Technology**  
Stanford University, 2011 - 2012

**Jerry V. Fox, Jr. Memorial Scholarship (for Outstanding Graduate Student in Philosophy)**

Texas Tech University, 2008

**Research Grant in Philosophy of Science**

Iranian Institute of Philosophy, Iran, 2007

**Research and Publications**

**Peer-Reviewed Journal Articles**

“From Wigner to Hamming and back again”

*Foundations of Physics* (2022)

“A Match Made on Earth: On the Applicability of Mathematics in Physics” with Harald A. Wiltsche

*Phenomenological Approaches to Physics, Synthese Library* (2020)

“A Complex Problem for Formalists”

*Journal of Applied Logics* (2018)

“Marriages of Mathematics and Physics: A Challenge for Biology” with Giuseppe Longo

*Progress in Biophysics and Molecular Biology* (2017)

“A Match Not Made In Heaven: On the Applicability of Mathematics to Physics”

*Synthese* (2017)

**Interviews**

“Analytic Philosophy and Mathematics”

*Analytic Philosophy*, Dr. Mohammadreza Vaez, ( May 2022)

“The Mysterious Timelessness of Mathematics”

*Philosophy talk*, KALW, ( Oct 2021)

**Peer-Reviewed Book Reviews**

“An Intriguing New Development of Husserl’s Project”

*Metascience* (2018)

“Mathematics as Hammer: On the Makings of the Masters Tool”

*Metascience* (2017)

**Peer-Reviewed Presentations**

“Wigner, QBism and Phenomenology”

Phenomenological Approaches to Physics: QBism and Phenomenology, Compared and Contrasted, Linköping University, Sweden, June 2022

“Is the applicability of mathematics so ‘unreasonable’ after all?”

The 14th Gathering 4 Gardner Conference, Atlanta, April 2022

“Who Discovered Imaginaries? On the Historical Nature of Mathematical Discovery”  
CSHPS/SCHPS 2020, The Canadian Society for the History and Philosophy of Science,  
University of Western Ontario, Canada, May 2020 (Postponed due to Covid-19)

“On the Constitution of Modern Physics: A Phenomenological Approach”  
2nd Annual Phenomenological Approaches to Physics Conference, Quantum Mechanics:  
Paradigm or Ontology of Nature?, Stony Brook University, September 2019

“Who Discovered Imaginaries: On the Historical Nature of Mathematical Discovery”  
16th International Congress of Logic, Methodology and Philosophy of Science and Technol-  
ogy, APMP Symposium, Prague, Czech Republic, August 2019

“Applying Mathematics: Moving Beyond Wigner’s Puzzle”  
19th Brazilian Logic Conference, Joao Pessoa, Brazil, May 2019

“Applicability of Mathematics as a Problem: A Phenomenological Critique of Wigner’s  
Puzzle”  
Phenomenological Approaches to Physics, University of Graz, June 2018

“Applicability of Mathematics as a ‘Problem’”  
Workshop on the Mathematical Reasoning, Stanford University, February 2018

“Symmetry since Newton’s Age: From Mechanical to Mathematical Principles”  
Mathematics and Mechanics in the Newtonian Age: Historical and Philosophical Questions,  
University of Seville, September 2017

“The Applicability of Mathematics: A Historical Approach”  
Midwest Philosophy of Mathematics Workshop, Notre Dame University, November 2016

“Formalism in the Face of Complex Numbers”  
The Emergence of Structuralism and Formalism, Charles University, Prague, June 2016

“Deconstructing a *Mystery*: Analytic Functions and Dispersion Relations”  
Second CSLI Workshop on Logic, Rationality and Interaction, Center for the Study of  
Language and Information(CSLI), Stanford, June 2013

“Unreasonable Effectiveness of Mathematics”  
Sharif University of Technology, November 2012

“On Fine’s Natural Ontological Attitude”  
Iranian Institute of Philosophy, June 2007

“On Priority of Beliefs”  
Sharif University of Technology, Second Graduate Conference in Philosophy of Science,  
February 2007

“The Logic of Charity: Davidson’s Principle of Rationality”  
First Annual Colloquium of Analytic Philosophy, Iranian Institute of Philosophy, February

2007

“Language of Science, Language of Religion”

First International Congress on the Dialogue of Science and Religion, Iran, May 2006

“Paradoxes in Mathematics: a Popperian Approach”

Department of Mathematics, Ferdowsi University, Mashad, November 2005

“Externalist Approaches to the Meaning of ‘Meaning’”

Iranian Institute of Philosophy, Philosophy of Language series, May 2005

“Russell’s Paradox and the Development of Mathematics”

Symposium on Russell, Iran University of Science and Technology, Tehran, May 2005

### **Invited Talks**

“Applicability of Mathematics: A Phenomenological Approach”

Meeting of the Society for Phenomenology and the Philosophy of Science, 58th annual Society for Phenomenology and Existential Philosophy (SPEP), Pittsburgh, October 2019

“A Match Not Made In Heaven: On the Applicability of Mathematics to Physics”

MathsApp seminar, IHPST, Paris-Sorbonne University, Jan 2019

“A Match Made on Earth: on the Applicability of Mathematics in physics”

The Orange County and Inland Empire Seminar in the History and Philosophy of Mathematic and Logic (OCIE-HPML), Chapman University, December 2018

“Match Not Made in Heaven: On the historicity of mathematics”

Texas Tech University, Department of Philosophy, Invited Talk, October 2017

“Is God a Mathematician?”

Texas Tech University, Department of Philosophy co-sponsored by Department of Physics and Astronomy, October 2017