

MAHMOUD T. JALLOH

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dimensionspace.io

ACADEMIC APPOINTMENTS

St. John's College
Teaching Fellow (Visiting Lecturer)

Santa Fe, NM
July 2023 - June 2025

EDUCATION

University of Southern California
PhD in Philosophy

Los Angeles, CA
August 2023

- **Dissertation:** *Dimensional Analysis: Essays on the Metaphysics and Epistemology of Quantities*
- **Committee:** Porter Williams, Jeff Russell, Alexis Wellwood, James Van Cleve, Barry Schein

Northeastern University
B.S. in Physics and Philosophy

Boston, MA
May 2017

AREAS OF SPECIALIZATION AND COMPETENCE

AOS: History and Philosophy of Science, Theoretical Philosophy (esp. Metaphysics)

AOC: Early Modern, Wittgenstein, Phenomenology, Pragmatism

PEER REVIEWED ARTICLES

(IN REVERSE ORDER OF ACCEPTANCE)

European Journal for Philosophy of Science

Vol. 14, No. 40

“Calibrating the Theory of Model Mediated Measurement”

August 2024

HOPOS: Journal of the International Society for the History of Philosophy of Science Vol. 14, No. 2

“Metaphysics and Convention in Dimensional Analysis, 1914-1917”

October 2024

- With Supplement “The Bridgman-Tolman-Warbuton Correspondence on Dimensional Analysis, 1934”

Synthese

Vol. 203, No. 141

“Bridgman and the Normative Independence of Science”

April 2024

- Part of a Special Issue on: *The Legacy of the Value-Free Ideal of Science*

Theoria. An International Journal for Theory, History, and Foundations of Science

Vol. 38, No. 2

“The Nature of the Physical and the Meaning of Physicalism”

October 2023

Oxford Studies in Metaphysics

Volume 14

“The II-Theorem as a Guide to Quantity Symmetries ...”

2025

- Runner-up for the Marc Sanders Prize in Metaphysics

BOOK REVIEWS, CONFERENCE PROCEEDINGS, & OTHER MINOR PUBLICATIONS

The British Journal for the History of Science

“Steven French, *A Phenomenological Approach to Quantum Mechanics*”

May 2024

Phenomenological Reviews

Lausanne, CH

“*Phenomenological Approaches to Physics*, H. Wiltsche and P. Berghofer (eds.)”

January 2021

Contributions to the 41st International Wittgenstein Symposium Kirchberg am Wechsel, AT

“Reversing the Consequence Argument”

August 2018

Aporia (Undergraduate Journal)

Vol. 17, St. Andrews, SCT

“On the Question: How Fast Does Time Pass?”

2017

PUBLIC WRITING

(* INDICATES A BLOGPOST.)

Philosophers' Cocoon*	Blogosphere
One Paper, One Reviewer: An Easy Amelioration of the Referee Crisis	January 2024
Griffith Observer	Los Angeles, CA
"Hubble and Huxley: Patriot and Pacifist, Hollywood Stars, Seers of Nebulae"	September 2023
• Joan and Arnold Seidel Science Writing Contest: Honorable Mention	

AWARDS AND GRANTS

American Institute of Physics, Center for History of Physics	College Park, MD
Project: Oral Interviews with Philosophers of Physics (\$2500, with Fons Dewulf)	2025
Project: Modeling and Metaphysics with Dimensional Analysis (\$2500)	2022
University of Southern California	Los Angeles, CA
Ralph and Jean Hovel Memorial Summer Travel Award (\$5000)	Summer 2022
Ralph and Francine Flewelling Fellowship (\$3000)	Summer 2021
National Science Foundation	Alexandria, VA
Graduate Research Fellowship: Honorable Mention	Spring 2018

SELECTED TEACHING EXPERIENCE

(* INDICATES CO-TAUGHT.)

St. John's College	2023 - 2025
• The Metaphysics of Space and Time (Aristotle, Descartes, Newton, Leibniz-Clarke, Du Châtelet, Kant)	
• Junior Seminar* (Cervantes, Descartes, Pascal, Milton, Hobbes, Spinoza, Leibniz, Hume, Kant, Smith)	
• Junior Laboratory (Galileo, Huygens, Newton, Young, Faraday, Maxwell)	
• Sophomore Mathematics (Ptolemy, Copernicus, Kepler, Apollonius, Descartes, Pascal)	
• Freshman Mathematics (Euclid)	
• Freshman Laboratory (Aristotle, Goethe, Harvey, Driesch, Pascal, Lavoisier, Dalton)	
• Freshman Seminar* (Homer, Plato, Aristotle, Sophocles, Aristophanes, Thucydides, Herodotus)	
• Summer Academy (Aristotle, Austen, Plutarch, Aeschylus) [Short Courses for High School Students]	
• Science Institute:* Beyond Numbers: Set-Theory; Du Châtelet's <i>Foundations of Physics</i> [Short Seminar and Experimental Courses for Non-Degree Students]	
• Summer Classics:* An Introduction to C. S. Peirce [Short Seminar for Non-Degree Students]	

SELECTED PRESENTATIONS

(* INDICATES INVITED MATERIAL.)

SSHAP @ The Pacific APA	San Francisco, CA
"Scientific Structure in the Tractatus"	April 2025
Philosophy of Science: Past, Present, and Future	Minneapolis, MN
"Two Models for the Metaphysics of Science"	October 2024
British Society for the Philosophy of Science	York, UK
"Is Dimensionlessness an Invariant Property?"	July 2024
University of New Mexico, Philosophy Department*	Albuquerque, NM
"The Constants of Nature"	November 2023
The Gravitational Constant, from the Local to the Universal	St. Andrews, SCT
"Dynamical Symmetries and the Values of the Constants: A Historical Episode"	April 2023
Integrated History and Philosophy of Science 9	Columbia, SC
"Metaphysics and Convention in Dimensional Analysis, 1914-1917"	March 2023
Euro-American Migration and the Development of Postwar Philosophy	Tilburg, NL
"The Roots of Operationalism in Dimensional Analysis"	August 2022

Measurement at the Crossroads: Measuring and Modeling "Measurement Dimensions: On the Common Quantity Assumption"	Milan, IT July 2022
HOPOS "The Foundations of Dimensional Analysis and the Metaphysics of Quantity Dimensions"	Irvine, CA June 2022
SoCal Metaphysics Network Graduate Workshop* 9th Annual Conference of the SSHAP* "Structuralism in the <i>Tractatus</i> "	Irvine, CA Vienna, AT April 2022, July 2021
2nd Young Scholars Pragmatism Conference: Inquiry, Science, Truth "Scientific Polysemy, Semantic Detoxification, and Sophisticated Operationalism"	Cambridge, UK October 2021
Novembertagung, Axiomatics: Ancient and Contemporary Perspectives "Wilson's 'Semantic Detoxification' and Conceptual Change as Axiomatic Change"	Berlin, DE November 2020
41st International Wittgenstein Symposium "Reversing the Consequence Argument"	Kirchberg am Weschel, AT August 2018

SERVICE

(Co-)Organizer:	BSPS 2024 Symposium on <i>Establishing the Philosophy of Dimensions</i> SJC Science Institute Conversations 2024; USC/UCLA Graduate Conference 2020
Chair:	PSA 2022; Pacific APA 2022; USC/UCLA Graduate Conference 2021
Conference Referee:	USC/UCLA Graduate Conference 2018-2023; NASSLLI 2022
Journal & Book Referee:	<i>Journal for General Philosophy of Science, Ratio, Philosophy of Science</i> <i>Cambridge Elements in the Philosophy of Physics</i>
Service to Colleges:	Varied Undergraduate Advising @ USC & SJC Summer Academy Committee, SJC (2024-5)
Panelist:	St. John's Summer Academy 2024 Rutgers Summer Institute for Diversity in Philosophy 2021
Thesis Advising:	On Paracelsus' <i>Opus Paramirum</i> (Senior, 2025) On Kant's <i>Critique of Judgment</i> (Senior, 2025); On Hegel's <i>Philosophy of Right</i> (Senior, 2025)
Thesis Examinations:	"On the Friend in Aristotle's <i>Nicomachean Ethics</i> " (Senior, 2024) " <i>Creative Evolution: The Moral Sources Implied by Bergsonian Time and Elan Vital</i> " (Masters, 2024, Chair)

ADDITIONAL EDUCATION

Max Planck Institute for Mathematics in the Sciences Summer School on the History of Space in Mathematics and Physics	Leipzig, DE July 2023
Rutgers Center for the Philosophy of Religion God and Fine-Tuning Summer School	New Brunswick, NJ July 2023
University of Wuppertal <i>Particle Physics at the Crossroads</i> , Epistemology of the LHC	Wuppertal, DE July 2018
University of Split <i>The Chimera of Entropy</i> , Seventh Philosophy and Physics Summer School	Split, HR July 2018
Ludwig Maximilians Univeristät, Munich Center for Mathematical Philosophy Visiting Student	Munich, DE Fall 2016