

CHARLES “CHIP” T. SEBENS

University of California, San Diego ◇ 9500 Gilman Dr ◇ La Jolla, CA 92093
(734) 546 3073 ◇ csebens@gmail.com ◇ September 15, 2017

FOCUS

AOS Philosophy of Physics, Philosophy of Science, Epistemology

AOC Metaphysics, Logic, Decision Theory

EMPLOYMENT

UNIVERSITY OF CALIFORNIA, SAN DIEGO 2016-
Assistant Professor
Philosophy Department

CALIFORNIA INSTITUTE OF TECHNOLOGY 2015-2016
Ahmanson Postdoctoral Instructor in the History and Philosophy of Physics
Division of the Humanities and Social Sciences

EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR 2010-2015
Ph.D. Philosophy
Dissertation: *Locating Oneself in a Quantum World*
Committee: David Baker (co-chair), Laura Ruetsche (co-chair), Gordon Belot,
Ratindranath Akhoury (physics)
M.S. Physics

UNIVERSITY OF OXFORD, BALLIOL COLLEGE 2009-2010
M.St. Philosophy of Physics (with distinction)

MASSACHUSETTS INSTITUTE OF TECHNOLOGY 2005-2009
B.S. Philosophy
B.S. Physics

PUBLICATIONS

Forces on Fields, Charles T. Sebens, *Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics* *forthcoming*

Self-Locating Uncertainty and the Origin of Probability in Everettian Quantum Mechanics, Charles T. Sebens and Sean M. Carroll, *The British Journal for the Philosophy of Science* *forthcoming*

Constructing and Constraining Wave Functions for Identical Quantum Particles, Charles T. Sebens, *Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics* 56, pp. 48-59 2016

Killer Collapse: Empirically Probing the Philosophically Unsatisfactory Region of GRW, Charles T. Sebens, *Synthese* 192(8), pp. 2599-2615 2015

Quantum Mechanics as Classical Physics, Charles T. Sebens, *Philosophy of Science* 82, pp. 266-291 2015

Many Worlds, the Born Rule, and Self-locating Uncertainty, 2014
Sean M. Carroll and Charles T. Sebens, in Struppa, D. and Tollaksen, J. (eds),
Quantum Theory: A Two-Time Success Story, Yakir Aharonov Festschrift, pp. 157-169

REVIEWS

Review of **Quantum Ontology: A Guide to the Metaphysics of Quantum Mechanics** by Peter J. Lewis, *Notre Dame Philosophical Reviews* 2016

PRESENTATIONS (RESEARCH)

Forces on Fields

5th International Summer School in Philosophy of Physics, Saig, Germany July, 2017

PoSe, University of Michigan, Ann Arbor February, 2017

Lunchtime Colloquium, Center for Philosophy of Science February, 2017
University of Pittsburgh

Constructing and Constraining Wave Functions for Identical Quantum Particles

18th UK and European Conference on Foundations of Physics July, 2016
London School of Economics and Political Science (LSE), UK

Southern California Philosophy of Physics Reading Group October, 2015
University of California, Irvine

Killer Collapse: Empirically Probing the Philosophically Unsatisfactory Region of GRW

Philosophy Department, University of California, San Diego February, 2015

Philosophy Department, University of California, Berkeley February, 2015

Philosophy Department, Yale University January, 2015

Philosophy Department, Massachusetts Institute of Technology January, 2015

Philosophy Department, University of Southern California January, 2015

24th Meeting of the Philosophy of Science Association, Chicago, Illinois November, 2014

Quantum Mechanics as Classical Physics

HPS Seminar Series, California Institute of Technology February, 2016

NY/NJ Philosophy of Science Group, New York University October, 2014

Perimeter Institute for Theoretical Physics, Canada December, 2013

17th UK and European Conference on Foundations of Physics July, 2013
Munich Center for Mathematical Philosophy, LMU Munich, Germany

Philosophy of Logic, Mathematics, and Physics Graduate Conference May, 2013
Western University, Canada

Self-Locating Uncertainty and the Origin of Probability in Everettian Quantum Mechanics

Seminar in Philosophy of Science (Prof: Barry Loewer), Rutgers University October, 2014

2nd International Summer School in Philosophy of Physics, Saig, Germany July, 2014

5th Midwest Workshop in Philosophy of Science, Technology, Engineering, and Mathematics
Indiana University-Purdue University Fort Wayne *March, 2013*

A Laws-first Introduction to Quantum Field Theory

Southern California Philosophy of Physics Reading Group *August, 2012*
University of California, Irvine

PRESENTATIONS (OTHER)

An Introduction to Bohmian Mechanics for Quantum Cosmologists

Quantum Cosmology Reading Group, California Institute of Technology *June, 2016*

Poster: Quantum Mechanics, Three Ways

Four Physics Department Recruitment and Outreach Poster Sessions *March, 2014; 2015*
University of Michigan, Ann Arbor

FELLOWSHIPS AND AWARDS

UC President's Faculty Research Fellowship in the Humanities, UCHRI *2017-2018*
Provides fellowship support to carry out an extended research project over two quarters

Philosopher's Annual Selection *2016*
"Quantum Mechanics as Classical Physics" selected as one of the top ten philosophy papers of 2015

ProQuest Distinguished Dissertation Award, Rackham Graduate School *2016*
Recognizes exceptional work produced by doctoral students, at most 8 awards given annually

Outstanding Graduate Student Instructor Award, Rackham Graduate School *2015*
Recognizes outstanding graduate student instructors, at most 20 awards given annually

Charles L. Stevenson Prize, Philosophy Department, University of Michigan *2013*
Award given annually for excellence in a candidacy dossier

Graduate Research Fellowship, National Science Foundation *2010*
Provides tuition support and full stipend for three years

TEACHING

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Philosophy of Science *Fall 2017*

Introduction to Philosophy *Fall 2017*

Graduate Seminar: Philosophy of Science *Spring 2017*
Topic: Scientific Realism and Quantum Physics

Science, Philosophy, and the Big Questions *Spring 2017*

Philosophy of Physics *Fall 2016*

CALIFORNIA INSTITUTE OF TECHNOLOGY

Philosophical Issues in Quantum Physics *Spring 2016*

Knowledge and Reality *Spring 2016*

Introduction to the Philosophy of Physics *Fall 2015*

UNIVERSITY OF MICHIGAN, ANN ARBOR

Science and Objectivity (TA)	Winter 2014
Science Fiction and Philosophy	Fall 2013
Introductory Logic (TA)	Winter 2012
Problems of Philosophy (TA)	Fall 2011

ACADEMIC SERVICE

Organizer, California Quantum Interpretation Network <i>Grant support:</i> Multi-Campus Faculty Working Group, UC Humanities Research Institute	2017-2018
Coordinator, Philosophy of Physics Research Group, UCSD	2016-
Organizer, Foundations of General Relativity Workshop, Univ. of Michigan <i>Grant support:</i> Rackham Interdisciplinary Workshop, Rackham Graduate School	January, 2014
Organizer, Foundations of Quantum Field Theory Workshop, Univ. of Michigan <i>Grant support:</i> Rackham Interdisciplinary Workshop, Rackham Graduate School	April, 2013
Coordinator, Foundations of Modern Physics Reading Group, Univ. of Michigan	2012-2015
Reviewed articles for <i>The British Journal for the Philosophy of Science</i> , <i>Foundations of Science</i> , <i>New Developments in Logic and Philosophy of Science</i> , <i>Philosophy of Science</i> (2), Southern Society for Philosophy and Psychology, <i>Studies in History and Philosophy of Modern Physics</i> (2), <i>Synthese</i> (2), and <i>Theoria</i> .	

OTHER EDUCATION

Fifth International Summer School in Philosophy of Physics: Space, Time, and Matter: New Directions in the Philosophy of Physics, Saig, Germany	July, 2017
Fourth International Summer School in Philosophy of Physics: The Meaning of the Wave-Function, Saig, Germany	July, 2016
Third International Summer School in Philosophy of Physics: The Ontology of Physics, Saig, Germany	July, 2015
Second International Summer School in Philosophy of Physics: Probabilities in Physics, Saig, Germany	July, 2014
International Summer School in Philosophy of Physics: Physics and Philosophy of Time, Saig, Germany Hosted by the Munich Center for Mathematical Philosophy and the University of Lausanne	July, 2013
Summer School on the Foundations of Quantum Mechanics, Sexten, Italy Organized by Fay Dowker, Detlef Dürr, GianCarlo Ghirardi, Sheldon Goldstein, and Nino Zanghi	July, 2014
Visiting Student, California Institute of Technology In the theoretical high energy physics group working with Sean Carroll	June – August, 2012; April – May, 2014
Summer Institute in Philosophy of Cosmology, UC Santa Cruz Part of the Rutgers Templeton Project in Philosophy of Cosmology	June – July, 2013
Quantum Theory Without Observers III, Universität Bielefeld, Germany	April, 2013
Metaphysical Mayhem, Rutgers University	May, 2012