

Robert P Crease

Professor, Department of Philosophy

Stony Brook University

PhD Columbia University 1987, BA Amherst College 1976

Recent Positions & Posts

- 2023-4 National Science Foundation (NSF) Award ID #2317588, for "Social and Political Dynamics of Lab-Community Relations."
- 2021 William Thomson, Lord Kelvin Medal and Prize (Institute of Physics) for "describing key humanities concepts for scientists, and explaining the significance of key scientific ideas for humanists."



- 2014-2021 Co-Editor-in-Chief, *Physics in Perspective* (Springer)
- May 2000 + "Critical Point," a monthly column for *Physics World*. Each column discusses a different social dimension of physics.

Select Authored Books

Philosophy of Physics: A New Introduction (2023). IOP Publishing, Bristol, UK.

The Leak: Politics, Activism, and Loss of Trust at Brookhaven National Laboratory, with Peter Bond, MIT Press, 2022.

The Workshop and the World: What Ten Thinkers Can Teach Us about Science and Authority. W. W. Norton, March 2019.

Philosophy of Physics. Institute of Physics (IOP) ebook, 2017.

The Quantum Moment, by Robert P. Crease and Alfred S. Goldhaber. W. W. Norton, 2014. Translations: Japanese, Czech

World in the Balance: The Historic Quest for an Absolute System of Measurement, W.W. Norton, 2011. Translations: Portuguese (Zahar, 2013), Chinese.

The Great Equations: Breakthroughs in Science from Pythagoras to Heisenberg, WW Norton, January 2009.
Translations: Chinese, Japanese, Portuguese, Hebrew.

J. Robert Oppenheimer: A Life, by Abraham Pais, with supplemental material by Robert P. Crease.
New York: Oxford University Press, 2006.

The Prism and the Pendulum: The Ten Most Beautiful Experiments in Science. NY: Random House, 2003. Trans: Japanese (Nikkei 2006), Chinese (Citè, 2006), Portuguese/Brazil (Zahar 2006), Portuguese/Portugal (Europa-América 2006), Spanish (Crítica 2006).

Making Physics: A Biography of Brookhaven National Laboratory, 1946-1972. Chicago: University of Chicago Press, 1999.

Peace and War: Reminiscences of a Life at the Frontiers of Science, by Robert Serber with Robert P. Crease. New York: Columbia University Press, 1998. Japanese translation 2016.

The Play of Nature: Experimentation Performance. Indiana University Press, 1993

The Second Creation: Makers of the Revolution in 20th Century Physics, by Robert P. Crease and Charles C. Mann. New York, Macmillan, 1986; repr. Rutgers University Press, 1996

Select Edited Books

Between Science and Industry: Institutions in the History of Materials Science (2024), ed. R. Crease. World Scientific.

Phenomenology of Quantum Mechanics, special issue of *Continental Philosophy Review*, ed. by Robert P. Crease, Delicia Kamins, Paul Rubery.

Technoscience and Postphenomenology: The Manhattan Papers, ed. by Jan K. B. Friis and Robert P. Crease, Maryland: Lexington Books, 2015

Science Policy Up Close, by John H. Marburger III, edited by Robert P. Crease. Harvard University Press, 2015

The Philosophy of Expertise, ed. E. Selinger and Robert P. Crease. Columbia Univ. Pr. 2006.
Chinese Trans, China Science Publishing, 2015.

What Things Do, by P.-P. Verbeek, Dutch trans. by R. P. Crease. Penn State UP, 2005.

American Philosophy of Technology, by Hans Achterhuis, trans. from the Dutch by Robert P. Crease. Indiana University Press, 2001.

Hermeneutics and the Natural Sciences, ed. Robert P. Crease. Kluwer 1997. A reprint of *Man and World* 30:3, of which I was guest-editor.

Dialectic and Difference: Finitude in Modern Thought, by Jacques Taminiaux. Ed. and tr. from the French by Robert P. Crease and James T. Decker. Humanities Press, 1985.