

Short Biography J. J. P. Veerman

URL: <https://web.pdx.edu/~veerman/>

General:

J. J. P. VEERMAN received his Ph.D. from Cornell University in 1986. After postdocs in Spain (1 year) and at Cornell University/Rockefeller University (2 years), he held visiting positions in the U.S. (Rockefeller University, CUNY, Stony Brook University, Georgia Tech, Penn State), as well as in Spain (Autóma Madrid, Autónoma Barcelona), Brazil (IMPA, PUC-Rio, UFPe). He came to Portland State University in 2000. He has since held visiting positions in Spain (Granada), Italy (Pisa, Salerno), Greece (University of Crete), and Rockefeller University in NYC, the Weizmann Institute (Israel), among others.

Functions at Portland State:

2023 – present: Director of System Science, Portland State University.

2018 – present: Affiliate Professor of Physics, Portland State University.

2015 – present: Scientific Adviser to the International Center for Nonlinear Dynamics and Complex Systems, University of Chieti-Pescara, Pescara, Italy.

2010 – 2012: Chair of the Maseeh Department of Mathematics and Statistics at Portland State University.

2008 – present: Full professor of Mathematics and Portland State University.

Selected honors:

- Spring 2023: Visiting Fellowship at the Institute of Advanced Studies of the University of Bologna, Italy.

- Spring 2023: Invited speaker and visiting professorships at the University of Chieti-Pescara (Italy), the Insubria University (Italy), and the Rijks Universiteit Groningen (Netherlands).

- Summer and Fall 2022: Joseph Meyerhoff Visiting Professor at the Weizmann Institute of Science in Israel.

- 2018: offered the (full year) Fulbright-Czech Distinguished Professorship for 2019-2020 at the Czech Technical University in Prague. These awards are viewed as among the most prestigious appointments in the Fulbright Scholar Program. Portland State University policies rendered it impossible to accept this prestigious award.

- Fall 2000: Gorenstein Professor of Mathematics at CUNY-Queens.

Research:

My research is centers around dynamical systems. That led to forays into geometry, number theory, and other areas of pure mathematics. Graph Theory, the prime number theorem, ergodic theorems, equidistant sets, and tilings are some keywords taken from titles of my recently published papers (and a book).

But I am also interested in the applications of these to other sciences, especially physics. Here are some keywords from titles of recent papers: graph Laplacians, flocking, social balance, and chemical reaction networks.