CV. Palle E. T. Jorgensen.

I am a professor of mathematics at the U of Iowa, and I have taught at the University of Iowa since 1984. Before that, I taught at Stanford University, at the University of Pennsylvania, and at Aarhus University, Denmark.

- I am a research mathematician, with funding from the US National Science Foundation.
- I am an editor of some research journals.
- I have been an invited researcher and speaker at conferences and universities in the US, and in Europe, and Asia, with funding from the host universities.
- My article "Matrix factorizations, algorithms, wavelets" appeared in *Notices of the American Mathematical Society* (Sept. 2003).
- My research papers, some joint with co-authors at many corners of the world, have appeared in international scientific journals, math journals, both pure and applied (operator algebras, and harmonic analysis), and in mathematical physics (quantum theory, symmetry, and spectral analysis).
- My recent research: wavelet theory, subdivision algorithms, decidability of dimension-group isomorphism, spectral-tile duality, scaling algorithms, fractals, and financial mathematics.