

# **Klaus E. Volpert, PhD**

**Associate Professor of Mathematics | College of Arts and Sciences at Villanova University**  
Villanova , PA, US

Klaus E. Volpert, PhD is an expert in mathematics of finance and economics, pricing of financial derivatives, and pedagogy of mathematics.

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## **Biography**

Income inequality in the United States continually fluctuates, but the large gap between rich and poor remains. Dr. Volpert has done extensive research on the variation in income inequality and the mathematical causes behind its rise and fall. An expert source on applied mathematics at the intersection of finance and economics, he is also an authoritative voice on the ways in which teachers can help students understand and use mathematics.

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## **Areas of Expertise**

Mathematics of Income Inequality, Mathematics of Finance and Economics, Pricing of Financial Derivatives, Pedagogy of Mathematics, Differential Geometry, Algebraic Topology, Mathematics

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## **Affiliations**

Mathematics Association of America

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## **Education**

University of Oregon  
PhD

University of Oregon  
MS

University of Oregon  
MS

Universität Konstanz  
Vordiplom

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## **Select Accomplishments**

**Mathematical Association of America's 2013 Halmos-Ford Writing Award**

Awarded for article, "On the Mathematics of Income Inequality: Splitting the Gini Index in Two," co-authored with Robert T. Jantzen.

**Crawford Award for Excellence in the Teaching of Mathematics**

Regional section of the Mathematical Association of America, 2011.

**Christian R. and Mary F. Lindback Award for Outstanding Teaching**

2009

Villanova University's prestigious award annually recognizes a faculty member who excels in undergraduate teaching.

**Founders Award for Service to the Graduate School of Arts and Sciences**

Villanova University, 2006.

**Bridgebuilder's Award from the Learning Support Services at Villanova University**

Awarded in recognition of support of students with learning differences, 2005.

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