

Department of Mathematics
 Duke University, Box 90320,
 Durham, NC 27708-0320,
 USA



Date, place of birth: Aug. 17, 1954
 in Houthalen, Belgium
Citizenship: Belgian Citizen and
 Naturalized US Citizen, 1996

Education:

1975 Bachelor's degree in Physics; Vrije Universiteit Brussel
 1980 Ph.D. in Theoretical Physics; Vrije Universiteit Brussel

Positions Held:

1975 to 1984 Research Assistant; Dept. for Theoretical Physics, Vrije Universiteit Brussel
 1984 to 1987 Research Professor; Dept. for Theoretical Physics, Vrije Universiteit Brussel
 1987 to 1994 Technical Staff Member; Mathematics Research Center, AT&T Bell Laboratories
 1991 to 1993 Professor; Mathematics Department, Rutgers University
 1994 to 2010 Professor; Mathematics Dept. and Progr. in Applied and Computational Math., Princeton University
 2004 to 2010 William R. Kenan, Jr. Professor at Princeton University
 2011 to — James B. Duke Professor; Mathematics Department, Duke University

Research Interests:

Time-Frequency Analysis (in particular but by no means exclusively, Wavelets) and applications to mathematics, to the other sciences, to engineering, and to art.

Awards and Honors:

Louis Empain Prize for Physics (Belgium, 1984)
 Fellow of the John D. and Catherine T. MacArthur Foundation (1992 to 1997)
 American Mathematical Society Steele Prize: for Exposition (1994), for Seminal Research (2011)
 American Mathematical Society Ruth Lyttle Satter Prize (1997)
 The International Society for Optical Engineering Recognition of Outstanding Achievement (1998)
 IEEE Information Theory Society Golden Jubilee Award for Technological Innovation (1998)
 Fellow of The Institute of Electrical and Electronics Engineers, Inc. (1998)
 National Academy of Sciences Medal in Mathematics (2000)
 Eduard Rhein Foundation 2000 Basic Research Award (2000)
 Gold Medal (Gouden Penning) of the Flemish Royal Academy of Arts and Sciences, Belgium (2005)
 ICIAM Pioneer Prize (2008)
 Lars Onsager Medal (2010)
 Guggenheim Fellow (2010)
 Benjamin Franklin Medal for Electrical Engineering (2011)
 Booker Gold Medal of the URSI (International Union of Radio Engineers) (2011)
 James Kilby Medal of the IEEE Signal Processing Society (2011)
 Member of the American Academy of Arts and Sciences (elected 1993)
 National Academy of Sciences (elected 1998)
 Royal Netherlands Academy of Arts and Sciences (Foreign member; elected 1999)
 American Philosophical Society (elected 2003)
 London Mathematical Society (Honorary Member; elected 2007)
 Académie des Sciences, Paris, France (Foreign Member; elected 2009)
 Académie Royale, Bruxelles, Belgique (elected 2010)
 Doctor Honoris Causa, Université Libre de Bruxelles (Belgium) (2000)
 École Polytechnique Fédérale, Lausanne, Switzerland (2001)
 Université Pierre et Marie Curie, Paris, France (2005)
 Università degli Studi di Genova, Genoa, Italy (2006)
 Universiteit Hasselt, Belgium (2008)
 Universitet Trondheim, Norway (2010)