



Curriculum Vitae Heinz Otto Peitgen

Heinz-Otto Peitgen, Prof. Dr. rer. nat. was born in 1945 in Bruch near Cologne. Peitgen studied mathematics, physics and economics from 1965 until 1971 in Bonn, later working at the Institute for Applied Mathematics at the University of Bonn for six years, where he received his PhD in 1973.

After his habilitation in 1977, he first taught as a private docent at the Institute for Applied Mathematics in Bonn before being awarded a professorship in mathematics at the University of Bremen. There, he was significantly involved in the establishment and development of an Institute for Dynamical Systems, where in 1982 he set up a computer graphics laboratory for mathematical experiments. Since 1992, Peitgen has served as the founder and director of the Center of Complex Systems and Visualization (Centrum für Complexe Systeme und Visualisierung - CeVis) at the University of Bremen. From 1985 until 1991, Peitgen was a professor of mathematics at the University of California, Santa Cruz; from 1991 until 2012 he has been a professor of mathematics and biomedical sciences at Florida Atlantic University in Boca Raton.

In 1995, he founded the Center for Medical Image Computing, MeVis Research GmbH, in Bremen, which became a Fraunhofer Society institute at the beginning of 2009 and is now called the Fraunhofer MEVIS - Institute for Medical Image Computing. Peitgen still manages the institute. In 1997, Peitgen and some of his colleagues founded a new company, MeVis Medical Solutions AG, MMS, which has been listed on the German stock market since 2007. MMS is one of the world's leading independent producers of software products for image-based medicine, particularly digital radiology. With its software solutions, it provides medical practitioners with substantial added value in screening and diagnostics as well as therapy and intervention planning for cancer, particularly breast cancer, neurology and lung conditions. Peitgen is the Chairman of the Supervisory Board.

Peitgen has been appointed to chairs at several German and American universities and has served as a visiting professor at universities in Belgium, Brazil, Canada, the USA, Mexico and Italy. He is the author of several award-winning books and films that have helped to publicize fractal geometry and chaos theory around the world and is co-editor of several professional journals with an international readership. The scientific disciplines in which he specializes include mathematics, computer science and medicine.

Peitgen has a strong passion for music. He is the chairman of the association „Freunde der Deutschen Kammerphilharmonie“. The composer György Ligeti (†) devoted his 17th piano etude to him. Peitgen has got a CPL and IFR pilot license.

Awards

September 2006 G

erman Founder Award in the category „Visionary“.

February 2006

Inclusion in the Hall of Fame of Florida Atlantic University, along with Benoit Mandelbrot.

May 2005

Bremen Enterprise Award for Knowledge Transfer

April 2005

Werner-Körte Gold Medal of the German Society of Surgery.

April 2005

Magna Cum Laude Award of the European Society of Radiology.

December 1999

Karl Heinz Beckurts Award 1999 for research and innovation.

October 1996

Federal Cross of Merit, first class by Federal President Roman Herzog for achievements in science and research

1995 and 1997

Scientific Exhibit Award at RSNA (Radiological Society of North America), combined with the Certificate of Merit,
for his valuable work of MeVis Research.

Memberships:

Since 2008

Member of the Academy of Sciences Göttingen

Since 2007

Member of the board of trustees of the Foundation Bremen Stock Exchange

Since 2007

Member of the board of trustees for the German Study Award of the Körber Foundation

Since 2007

Chairman of the Supervisory Board of MeVis Medical Solutions AG, Bremen

Since 2006

Member of the Board of the Center for Art and Media Karlsruhe

From 2003 until 2008

Member of the board of governors of Karl-Franzens-Universität, Graz

Since 1992

Member of the European Academy of Sciences and Arts