

## **Biographical Sketch**

**Willy Hereman**

**Emeritus Professor of Applied Mathematics**

**Research Professor Emeritus**

Department of Applied Mathematics and Statistics

Colorado School of Mines

Golden, CO 80401, U.S.A.

Willy Hereman received his Bachelor's (1974), Master's (1976) and Ph.D. (1982) degrees in Applied Mathematics from the University of Ghent, Belgium.

He held NATO Research Fellowships at the Department of Electrical and Computer Engineering of The University of Iowa and a Visiting Assistant Professorship in the Department of Mathematics at the University of Wisconsin. He joined the Colorado School of Mines in 1989 where he now is Professor Emeritus of Applied Mathematics. From 2011 to 2016, he served as Head of the Department of Applied Mathematics and Statistics at Mines.

He has published over a hundred research papers in acousto-optics, scattering theory, soliton theory, nonlinear wave phenomena, wavelets, and symbolic methods for nonlinear partial differential equations and nonlinear lattices.

Supported by the National Science Foundation of the United States of America, he has developed several symbolic software packages in Mathematica for the investigation of integrability, symmetries, conservation laws, and exact solutions of nonlinear differential and difference equations.

He is a laureate of the Royal Academy of Sciences of Belgium and a member of the American Association for the Advancement of Science, the American Mathematical Society, the Society of Industrial and Applied Mathematics, and the Scientific Research Honor Society (Sigma Xi).