

## BIOGRAPHICAL SKETCH

### WILLY HEREMAN

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 (in 1983-84 and 1985-86).

After a three-year Van Vleck Assistant Professorship at the Department of Mathematics of the University of Wisconsin-Madison, he joined the Colorado School of Mines in 1989 where he is Professor of Mathematical and Computer Sciences.

He has published seventy research papers in acousto-optics, scattering theory, soliton theory, nonlinear wave phenomena, wavelets, and symbolic methods for nonlinear partial differential equations and 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 PDEs and differential-difference equations.

Since 1985 he has used Macsyma and Mathematica in the classroom as well as in a variety of research applications and consulting activities.

He is a laureate of the Royal Academy of Sciences of Belgium, and a member of the American Mathematical Society, the Society of Industrial and Applied Mathematics, and the Mathematical Association of America.