Curriculum Vitae

Mark Ablowitz

Professor and Chair, Department of Applied Mathematics, University of Colorado at Boulder

Contact Information

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Education

University of Rochester, 1967, B.S. in Mechanical Engineering
Massachusetts Institute of Technology, 1971, Ph.D. in Mathematics, Advisor D. J. Benney

Experience

2012– Professor, Chair, Department of Applied Mathematics, University of Colorado at Boulder
2000–2012 Professor, Department of Applied Mathematics, University of Colorado at Boulder
1995-2000: Professor, Chair, Department of Applied Mathematics, University of Colorado at Boulder
1989–1995: Professor, Director, Program in Applied Mathematics, Department of Applied Mathematics, University of Colorado at Boulder
1985–1989: Dean of Science, Clarkson University
1984: Visiting Scholar in Applied Mathematics, Princeton University
1979–1985: Professor, Chair, Department of Mathematics, Clarkson University
1977–1978: Visiting Scholar in Applied Mathematics, Princeton University
1971–1985: Assistant, Associate, Professor of Mathematics, Clarkson University

Honors

Alfread P. Sloan Foundation Fellowship, 1975–1977
John Simon Guggenheim Foundation Fellowship, 1984
Member, Board of Electors, Professorship in Nonlinear Mathematical Science, Cambridge University, UK, 2000
Council on Research and Creative Work Fellowships, U. Colorado at Boulder, 1994–1995 and 2001–2002
Named Highly Cited Researcher in Mathematics by the ISI Web of Science, 2003–
Professor of Distinction, College of Arts and Sciences, U. of Colorado, Boulder, 2006–
Distinguished Research Lecturer and Fellowship, U. of Colorado, Boulder, 2009
Named SIAM Fellow, 2011–
Named AMS Fellow, 2012–
Martin Kruskal Prize/Lecture: Aug. 2014, Cambridge University, Awarded by SIAM, Activity Group on Nonlinear Waves and Coherent Structures
Doctor Honoris Causa, Oct. 2014, University of Ioannina, Greece

Key Information

More than 240 publications in refereed journals
More than 60 publications in book chapters, encyclopedias, conferences
Five books published
More than 12,000 citations to research papers (ISI Web of Knowledge)
More than 26,000 citations to research papers and books (Google Scholar)

Invited to lecture at numerous universities, conferences and laboratories throughout the world
Directed 18+ PhD students, 22+ Postdoctoral Research Associates

Books

Solitons and the Inverse Scattering Transform, M.J. Ablowitz and H. Segur, SIAM Studies in Applied Mathematics, 425 pages, SIAM, Philadelphia, PA, 1981; translated into Russian and Japanese.

Solitons, Nonlinear Evolution Equations and Inverse Scattering, M.J. Ablowitz and P.A. Clarkson, London Mathematical Society Lecture Notes Series, 516 pages, Cambridge University Press, Cambridge, UK, 1991. Reprinted by Beijing World Press, China, 2000.

Complex Variables, Introduction and Applications, M.J. Ablowitz and A.S. Fokas, Cambridge University Press, Cambridge, UK, 1997. Reprinted by Foundation Books, New Dehli 1998, second edition 2003, translated in Greek.

Discrete and Continuous Nonlinear Schrödinger Systems, M.J. Ablowitz, B. Prinari and A. D. Trubatch, London Mathematical Society Lecture Notes Series, 258 pages, Cambridge University Press, Cambridge, UK, 2004.

Nonlinear Dispersive Waves, Asymptotic Analysis and Solitons, M.J. Ablowitz, Cambridge University Press, Cambridge, UK, 2011.

Edited Books

Topics in Soliton Theory and Exactly Solvable Nonlinear Equations, Eds. M.J. Ablowitz, B. Fuchssteiner and M.D. Kruskal, World Scientific, 324 pages, Singapore, 1987

Nonlinear Physics: Theory and Experiment, Eds. M.J. Ablowitz, M. Boiti, F. Pempinell and B. Prinari, World Scientific, 421 pages, Singapore, 2003

Patent

U.S. Patent 6,049,608: *Variable Length Nonlinear Feedback Shift Registers with Dynamically Allocated Taps*, M.J. Ablowitz and J. Keiser, Issued April 4, 2000; Licensed to Bukhara Techtalk via University of Colorado Technology Transfer Office

Editorial Boards–Currently

Studies in Applied Mathematics
Dynamics of Partial Differential Equations
Cambridge University Press Texts, Monographs in Applied Mathematics

Editorial Boards– Past

Journal of Engineering Math: 1997–2003
SIAM Journal in Applied Mathematics: 1986–1994
Journal of Mathematical Physics: 1976–1979
Proceedings of the American Math. Society –
Coordinating Editor for Applied Mathematics 1999–2006