

Biographical Sketch

STUART S. ANTMAN

Distinguished University Research Professor; Dept. of Mathematics, Inst. for Physical Sciences and Technology, and Inst. for Systems Research; Univ. of Maryland, College Park, MD 20742-4015.

E-mail: ssa@math.umd.edu, Tel: 301-405-7886, Web page: <http://www.math.umd.edu/~ssa/>

Education: B.S., Rensselaer Polytechnic Inst., 1961. M.S., Ph.D., Univ. Minnesota, 1963, 1965.

Regular Faculty Positions: New York Univ., Assistant Professor, 1967–1969, Assoc. Professor, 1969–1972. Univ. of Maryland, Professor, 1972–2001, Distinguished University Professor, 2001–2014. Distinguished University Research Professor, 2014–.

Visiting Positions: Courant Inst. of New York Univ., Univ. of Oxford, Heriot-Watt Univ., École d'Été d'Analyse Numérique, Univ. de Paris-Sud, Heriot-Watt Univ., Brown Univ., École Polytechnique, Univ. Nacional Autónoma de México, Math. Sci. Res. Inst. at Berkeley, Univ. de Paris VI, Math. Res. Ctr. of Univ. of Wisconsin, Inst. for Mathematics and its Applications of the Univ. of Minnesota, Univ. Bonn, Univ. de Paris VI, Univ. Leipzig, Technische Univ. Darmstadt, Max Planck Inst. Leipzig, City Univ. of Hong Kong, Univ. Dortmund, Univ. Köln, Univ. di Roma I.

Awards and Prizes: Guggenheim Fellowship, 1978–1979. L. R. Ford Award of the Mathematical Association of America, 1987. D. Alcaraz Medal, Universidad Nacional Autónoma de México, 1997. Von Kármán Prize of the Society for Industrial and Applied Mathematics, 1999. Inaugural Fellow of Society for Industrial and Applied Mathematics, 2009. Mathematics and Computer Science Award from the Washington Academy of Sciences, 2010. Inaugural Fellow of American Mathematical Society, 2013. Lyapunov Award of the American Society of Mechanical Engineers, 2015.

Doctoral Students: Russell C. Browne, 1976; Charles S. Kenney, 1979; Roger C. Gauss, 1981; Robert C. Rogers, 1984; Ming-San Chen, 1984; Pablo Negrón-Marrero, 1985; Ke-Gang Shih, 1985; Massimo Lanza de Cristoforis, 1987; Joseph Wissmann, 1991; Mikhail M. Shvartsman, 1994; Shui Cheung Yip, 1997; J. Patrick Wilber, 1999; Thomas Frohman, 1999; David Bourne, 2007; Alexey B. Stepanov, 2015.

Some Scientific Activities: SIAM Lecturer, 1973–1975. Steele Prize Comm. of A.M.S., 1980–1983. U.S. Natl. Comm. on Theoretical and Applied Mechanics, 1980–1988. Birkhoff Prize Comm. of A.M.S. and S.I.A.M., 1982. Travelling Lecturer for North British Differential Equations Seminar, 1989. Travelling Lecturer for the Midwest Mechanics Seminar, 1992. Steering Comm. 2nd–6th Intl. Congs. on Nonlinear Mechanics, Beijing, 1993, Shanghai, 1998, 2002, 2007, 2013. Von Kármán Prize Comm. of S.I.A.M., 1993–1994. Panel for Lecture Series of C.B.M.S, 1993, 1994. Board of Directors, Proyecto Universitario de Fenómenos No Lineales y Mecánica, Universidad Nacional Autónoma de México, 1995–. NSF Panels, 1981, 1985, 1986, 1993, 1996, 1997, 2001, 2003, 2015. Member of the Center for Dynamics and Control of Smart Structures, Harvard Univ., 1997–2003.

Some Editorial Activities: *Archive for Rational Mechanics and Analysis*, Editorial Board, 1972–1989, 1999–2010, Editor-in-Chief, 1989–1999. *Springer Tracts in Natural Philosophy*, Co-editor, 1972–1980. *Acta Applicandae Mathematicae*, Editorial Board, 1982–2010. *Notices of the A.M.S.*, Associate Editor for “Queries”, 1985–1987. *Proceedings of Symposia in Applied Mathematics*, Editorial Committee, 1986–1988. *Journal of Elasticity*, Editorial Board, 1996–2011. *Electronic Research Announcements of the AMS*, Editorial Board, 1997–2006. *Electronic Research Announcements in the Mathematical Sciences*, Editorial Board, 2007–2010. *Springer Series in Applied Mathematical Sciences*, Advisory Board, 1997–2001, Co-Editor-in-Chief, 2001–2019. *Springer Series in Interdisciplinary Applied Mathematics*, Editor of Series in Mechanics and Materials, 1998–2001. *Quarterly of Applied Mathematics*, Editorial board, 1999–. *Acta Mechanica Solida Sinica*, Advisory Board, 2000–2010. *Springer Series: Interdisciplinary Applied Mathematics*, Co-Editor-in-Chief, 2001–2019. *Springer Series: Texts in Applied Mathematics*, Co-Editor-in-Chief, 2001–2019. *Springer Series: Surveys and Tutorials in the Applied Mathematical Sciences*, Co-Editor-in-Chief, 2005–2012, 2015–2019; Advisory Board 2012–2015.

Books and Monographs: (With J.B. Keller) co-editor of *Bifurcation Theory and Nonlinear Eigenvalue Problems*, Benjamin, 1969. The Theory of Rods, *Handbuch der Physik*, Vol. VIa/2, Springer, 1972. (With J.L. Ericksen, D. Kinderlehrer, & I. Müller) co-editor of *Metastability and Incompletely Posed Problems*, Springer, 1987. (With H. Brezis, B.D. Coleman, M. Feinberg, J. Nohel, & W. Ziemer) co-editor of *Analysis and Continuum Mechanics*, Springer, 1989. *Nonlinear Problems of Elasticity*, Springer, 1995, 2005. Editor of *The Non-Linear Field Theories of Mechanics*, 3rd edn., by C. Truesdell & W. Noll, Springer, 2004.

Publications: See web page: <http://www.math.umd.edu/~ssa/>