

ONE-PAGE CURRICULUM VITAE

H. Eugene Stanley

NOTARIZATION. I have read the following and certify that this curriculum vitae is a current and accurate statement of my professional record.

Signature: 

Date: 6 December 2016



WORK ADDRESS

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RESEARCH FIELD

- Application of Statistical Physics to Understanding and Preventing Diseases Related to Protein Misfolding
- Econophysics: Using Statistical Physics Concepts to Better Understand Economic Questions
- Physical Mechanisms in Liquid Water
- Threat Networks and Threatened Networks: Stabilization and Immunization of Networks

EDUCATIONAL BACKGROUND

- B.A., Physics, 1962, Wesleyan Univ., $\phi\beta\kappa$; National Merit Scholarship. Honors Thesis: T.A.Green
- 1 year Experimental biophysics, Univ. Köln (Max Delbrück, Advisor). Fulbright Fellowship.
- Ph.D., Physics, January 1967, Harvard Univ. (T.A. Kaplan & J.H. Van Vleck). NSF Fellowship.

PROFESSIONAL EXPERIENCE

- (1) William Fairfield Warren Distinguished Professor, Boston University, 2011-present.
 - Lorentz Professor, University of Leiden, Spring, 2013
 - Affiliate Faculty Member, Rafik B. Hariri Institute for Computing and Computational Science & Engineering, 2013–present.
 - University Professor, 1979-2011.
 - Director, Center for Polymer Studies, 1978-present.
 - Professor of Physiology, Boston University School of Medicine, 1978-present.
 - Professor of Physics, Boston University, 1976-present.
 - Professor of Biomedical Engineering, Boston University, 2007-present.
 - Professor of Chemistry, Boston University, 2007-present.
- (2) Herman von Helmholtz Associate Professor, M.I.T., 1973-76.
 - Associate Professor of Physics, M.I.T., 1971-73.
 - Assistant Professor of Physics, M.I.T., 1969-71.
- (3) Miller Fellow, Miller Institute for Basic Research in Science, Physics Department, University of California, Berkeley, 1968-69.
- (4) Staff Member, Solid State Physics Group, M.I.T., Lincoln Laboratory, 1967-69 (Part-time: 1964-67; Consultant: 1969-71).

HONORS, AWARDS, NAMED LECTURES, and LEADERSHIP

- Elected *Member, National Academy of Sciences*, 2004.
- *Boltzmann Medal*, International Union of Pure and Applied Physics (IUPAP), 2004.
- *Chair*, National Academy of Sciences/Keck Futures Initiative on Complexity, 2007–2008
- *van Leeuwenhoek Lecture*, Leiden, 2014

RECENT PUBLICATIONS

- S. V. Buldyrev, R. Parshani, G. Paul, **H. E. Stanley**, and S. Havlin, "Catastrophic Cascade of Failures in Interdependent Networks," *Nature* **464**, 1025-1028 (2010). Accompanied by "News & Views" article by A. Vespignani on pp. 984-985. [ISI Citations: 917]
- A. Majdandzic, B. Podobnik, S. V. Buldyrev, D. Y. Kenett, S. Havlin, and **H. E. Stanley**, "Spontaneous Recovery in Dynamical Networks," *Nature Physics* **10**, 34-38 (2014).
- B. Podobnik and **H. E. Stanley**, "Detrended Cross-Correlation Analysis: A New Method for Analyzing Two Non-Stationary Time Series," *Phys. Rev. Lett.* **100**, 084102 (2008).
- L. Seuront and **H. E. Stanley**, "Anomalous Diffusion and Multifractality Enhance Mating Encounters in the Ocean," *Proc. Natl. Acad. Sci. USA* **111**, 2206-2211 (2014). Described in the news story "Multifractal Mating" by Abigail Klopper [*Nature Physics* **10**, 183 (2014)].
- L. Lü, L. Pan, T. Zhou, Y.-C. Zhang, and **H. E. Stanley**, "Toward Link Predictability in Complex Networks," *Proc. Natl. Acad. Sci. USA* **112**, 2325-2330 (2015).