

SIMON A. LEVIN - George M. Moffett Professor of Biology, Princeton University, Dept. of Ecology & Evolutionary Biology • Phone: 609.258.6880 • E-mail: slevin@princeton.edu • Website: www.princeton.edu/~slevin

EDUCATION

1961 B.A Mathematics Johns Hopkins University, Baltimore, MD
1964 Ph.D. Mathematics University of Maryland, College Park

PROFESSIONAL EXPERIENCE

Princeton University

1992- George Moffett Professor of Biology, Dept. of Ecology and Evolutionary Biology;
Affiliated Faculty, Program in Applied and Computational Mathematics
1993-8 Founding Director, Princeton Environmental Institute
1994- Affiliated Faculty, Princeton Environmental Institute; Program in Applied and
Computational Mathematics
2001- Director, The Center for BioComplexity
2009- Faculty, Quantitative and Computational Biology Program, Princeton University
2012- Faculty Associate, Princeton Institute for International and Regional Studies (PIIRS); Graduate
Certificate in Computational and Information Science (PICSciE)
2014- Affiliated Faculty, Science, Technology and Environmental Policy (STEP) Program

Cornell University

1965-77 Assistant Professor to Associate Professor
1974-79 Chair, Section of Ecology and Systematics, Division of Biological Sciences
1977-92 Professor of Applied Mathematics and Ecology
1980-87 Director, Ecosystems Research Center
1987-90 Director, Center for Environmental Research
1990-92 Director, Program on Theoretical and Computational Biology
1985-92 Charles A. Alexander Professor of Biological Sciences
1992- Adjunct Professor, Ecology and Evolutionary Biology; Center for Applied Mathematics

SELECT PROFESSIONAL MEMBERSHIPS

Major Honorary Societies: Fellow, American Academy of Arts and Sciences (1992-); Member, National Academy of Sciences (2000-); Member, American Philosophical Society (2003-); Foreign Member, Istituto Veneto di Scienze, Lettere ed Arti, Venice, Italy (2008-); Foreign Member, Istituto Lombardo, Milan, Italy (2014-). **Board of Directors:** Vice-Chair (Mathematics), The Committee of Concerned Scientists (1979-). **Science Advisory Boards:** International Network of Research on Coupled Human and Natural Systems (CHANS-Net) (2009-); Santa Fe Institute, New Mexico (2011- ; also: 1991-99; 2001-05; Co-Chair 2007-10).

SELECT AWARDS & HONORS

A.H. Heineken Prize for Environmental Sciences, Royal Netherlands Academy of Arts and Sciences (2004); Kyoto Prize in Basic Sciences, Inamori Foundation, Japan (2005); Beijer Fellow, Beijer Institute of Ecological Economics, Stockholm, Sweden (2007); University Fellow, Resources for the Future (2008); Fellow, Society for Industrial and Applied Mathematics (2009); Margalef Prize, Government of Catalonia (2010); Eminent Ecologist Award, Ecological Society of America (2010); National Associate, National Research Council of the National Academies (2011); Fellow, Ecological Society of America (2012); IIASA Honorary Scholar (2012); IIASA Distinguished Visiting Fellow (2014); Tyler Prize for Environmental Achievement (2014); Luca Pacioli Prize, Ca'Foscari University of Venice, Italy (2014).

RELEVANT PUBLICATIONS

Arrow K, Ehrlich P, & SA Levin. 2014. Some perspectives on linked ecosystems and socioeconomic systems. In *Environment and Development Economics: Essays in Honor of Sir Partha Dasgupta*, ed. S. Barrett et al., 95-116. Springer-Verlag.

Bonachela JA, Raghil M., & SA Levin. 2011. Dynamic model of flexible phytoplankton nutrient uptake. *PNAS* 108(51): 20,633-20,638.

Levin SA. 2014. Public goods in relation to competition, cooperation, and spite. *PNAS* 111 (suppl. 3): 10838-10845.

Martiny A et al. (with SA Levin). 2013. Strong latitudinal patterns in the elemental ratios of marine plankton and organic matter. *Nature Geoscience* 6: 279-283.

Pinsky ML et al. (with S.A. Levin). 2013. Marine taxa track local climate velocities. *Science* 341(6151): 1239-1243.

Tavoni A, Schlüter M, & SA Levin. 2012. The survival of the conformist: Social pressure and renewable resource management. *Journal of Theoretical Biology* 299: 152-161.

Vasconcelos VT et al. (with SA Levin). 2014. Climate policies under wealth inequality. *PNAS* 111(6): 2212-2216.