

## **SIMON ASHER LEVIN**

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### **HONORS AND AWARDS**

#### **Major International Prizes**

A.H. Heineken Prize for Environmental Sciences 2004, Royal Netherlands Academy of Arts and Sciences (2004)  
 Kyoto Prize in Basic Sciences, Inamori Foundation, Japan (2005)  
 Margalef Prize, Government of Catalonia (2010)  
 Tyler Prize for Environmental Achievement (2014)  
 Luca Pacioli Prize, Ca'Foscari University of Venice, Italy (2014)  
 National Medal of Science (2014, announced 2015, awarded 2016)

#### **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 (2014)

#### **Major Society Awards**

MacArthur Award, Ecological Society of America (1988)  
 Fellow, American Association for the Advancement of Science (AAAS) (1992)  
 Distinguished Statistical Ecologist Award, International Association for Ecology (INTECOL) (1994)  
 Distinguished Service Citation of the Ecological Society of America (1998)  
 The First Okubo Lifetime Achievement Award, Society for Mathematical Biology and Japanese Society for Mathematical Biology (2001)  
 Distinguished Landscape Ecologist Award, U.S. Regional Association of the International Association for Landscape Ecology (US-IALE) (2003)  
 I.E. Block Community Lecture Award, Society for Industrial and Applied Mathematics (2006) Distinguished Scientist Award, American Institute of Biological Sciences (2007)  
 Fellow, Society for Industrial and Applied Mathematics (2009)  
 Eminent Ecologist Award, Ecological Society of America (2010)  
 National Associate, National Research Council of the National Academies (2011)  
 Fellow, Ecological Society of America (2012)

#### **Honorary Degrees**

Honorary Doctor of Sciences, Eastern Michigan University (1990)  
 Honorary Doctor of Humane Letters Honoris Causa, Whittier College (2004)  
 Honorary Doctor of Science, Michigan State University (2009)  
 Honorary Doctor of Science, McMaster University (2015)  
 Honorary Doctor of Science, University of Victoria (2019)

#### **Fellowships**

NSF Postdoctoral Fellow, University of California, Berkeley (1964-65)  
 NSF Predoctoral Fellow, University of Maryland, College Park (1962-64)  
 Guggenheim Fellow (1979-80)  
 Japan Society for the Promotion of Science Fellowship, Kyoto, Japan (1983-4)

## Publication Awards

- Best Publication in Landscape Ecology Award for 1990 (with David Andow, Peter Kareiva, Akira Okubo), U.S. Chapter, International Association for Landscape Ecology
- Outstanding Paper in the Discipline of Landscape Ecology Award for 2001 (with J. Keymer, P.A. Marquet, J.X. Velasco-Hernandez), U.S. Chapter, International Association for Landscape Ecology
- Most Cited Paper in the Field of Ecology and Environment for the 1990s, Institute for Scientific Information (2002)
- Most Cited Paper(s) 2005-2009 (with R. Durrett), Elsevier's Economic and Finance Journals (2010)
- Co-author of Mercer Award winning paper, "Tree Cover in Sub-Saharan Africa: Rainfall and Fire Constrain Forest and Savanna as Alternative Stable States" (with C. Staver and S. Archibald), published in *Ecology* in 2011 (awarded in 2012)
- Co-author of President's Award for best paper in the *American Naturalist*, "Competition for Water and Light in Closed Forest Canopies" (with C. Farrior et al., 2013) (awarded in 2014)
- Co-author of one of the most-cited 2018 *PNAS* Papers (Klein, E. et al. 2018. Global increase and geographic convergence in antibiotic consumption between 2000 and 2015. *PNAS* 115(15): E3463-E3470)
- International Consortium of Chinese Mathematicians Best Paper Award 2018 for "Mathematical Model of Adult Stem Cell Regulation with Cross-Talk Between Genetic and Epigenetic Regulation" (with Lei, J. and Q. Nie, *PNAS* 2014)
- Co-author of ESA Outstanding Paper Prize 2020 (Theory Section) for Tekwa, E., Fenichel, E.P., Levin, S.A., and M. Pinsky. 2019. Path-dependent institutions drive alternative stable states in conservation. *PNAS* 116(2): 689–694.

## Other

- The Honor Society of Phi Kappa Phi Biology Colloquium Award (1991)
- World Innovation Foundation, Honorary Member (2003)
- Clay Mathematics Senior Scholar-in-Residence (2004-2005)
- Medallion of the Université de Montpellier (2004)
- University Fellow, Resources for the Future (2008- )
- Beijer Fellow, Beijer Institute of Ecological Economics, Stockholm, Sweden (2007- )
- SIAM Fellow (2009)
- Distinguished Alumnus of the Year Award, University of Maryland, College of Computer, Mathematical and Natural Sciences (2011)
- Festschrift in Honor of Simon Levin's 70<sup>th</sup> Birthday, Princeton University (2011)
- Theoretical Ecology* 4(2), 2011, Special Issue in Honor of Simon Levin's 70<sup>th</sup> Birthday
- Journal of Mathematical Biology*, 2012, Special Issue in Honor of Simon Levin's 70<sup>th</sup> Birthday
- Journal of Biological Dynamics* 6, Supplement 2, 2012, Special Issue in Honor of Simon Levin's 70<sup>th</sup> Birthday
- IIASA Honorary Scholar (2012)
- The Mathematical, Computational and Modeling Sciences Center at Arizona State University Relaunched in Honor of Simon A. Levin as The Simon A. Levin Mathematical, Computational, and Modeling Sciences Center (2014)
- IIASA Distinguished Visiting Fellow (2014)
- Fellow, Society for Mathematical Biology Fellow (2017)
- Lifetime Fellow, Santa Fe Institute (2018)
- Highly Cited Researcher, Web of Science Group (2019)
- Research Fellow, Gruter Institute for Law and Behavioral Science (2020- )
- Affiliate, MIT Laboratory for Financial Engineering (LFE) (2020-2023)
- Highly Cited Researcher, Web of Science Group (2020)
- Luohan Academy Distinguished Fellow, Hangzhou, China (2021)

## Named Lectures

- The Huck Distinguished Lecture, The Pennsylvania State University (2019)
- Lawrence B. Slobodkin Lecture (2 Lectures), Stony Brook University (2018)
- Dr. Erik B. & Mrs. Joyce D.C. Young Lecture, Bioscience Day, University of Maryland, College Park (2017)

Federico Leighton Lecture, Pontificia Universidad Católica de Chile (2017)  
 McKnight Zane Lecture, University of Miami, Florida (2017)  
 John R. Raben/Sullivan & Cromwell Fellow Lecture, Yale University Law School (2017)  
 Siemens Lecture, Carl Friedrich von Siemens Foundation, Munich, Germany (2016)  
 Milton Wing Lecture (2 lectures), University of Rochester, NY (2016)  
 Moore Lecture, University of Virginia, Dept. of Environmental Sciences (2016)  
 C.C. Mei Distinguished Speaker Series, Civil and Environmental Engineering, MIT (2015)  
 Hugh Hanson Ecology Seminar Series, University of Arizona, Tempe (2015)  
 The John H. Rassweiler Annual Science Forum on Strategic Techniques and Innovations in Land Preservation and Stewardship, D&R Greenway Land Trust, Princeton, NJ (2014)  
 The Stockholm Seminars: Frontiers in Sustainability, Science and Policy, Sweden (2014)  
 Tyler Prize Laureate Lecture, University of Southern California, Los Angeles (2014)  
 Aisenstadt Chair for the Pan-Canadian Thematic Program on Models and Methods in Ecology, Epidemiology and Public Health Related to Mathematics of Planet Earth 2013, Université de Montréal (3 Lectures)  
 Simons Public Lecture, MPE 2013, Melbourne, Australia (2013)  
 Roland Lamberson Lecture in Ecology, Humboldt State University, Arcata, CA (2011)  
 The David Bradford Seminars in Science, Technology and Environmental Policy, The Program in Science, Technology and Environmental Policy (STEP), Princeton University (2011)  
 The Haldane Lecture, John Innes Centre, Norwich BioScience Institutes, Norwich, UK (2011)  
 Lansdowne Lecturer, University of Victoria, Victoria, British Columbia, Canada (2011)  
 Edward L. Reiss Memorial Lectures in Applied Mathematics (2 lectures), Northwestern University (2010)  
 Rachel Carson Distinguished Lecture, Center for Systems Integration and Sustainability, Michigan State University (2009)  
 Shih-I Pai Lecture, Institute for Physical Science and Technology, University of Maryland (2009)  
 Carnegie Capital Science Evening Lecture, Washington, DC (2008)  
 Pardee Distinguished Lectures (2 lectures), Boston University (2008)  
 Stelson Lecturer (2 lectures), Georgia Institute of Technology, Atlanta, GA (2008)  
 Distinguished Lecturer, Distinguished Ecologists Lecture Series, University of Wyoming (2007)  
 Distinguished Lecturer, Workshop on the Mathematics of Global Public Health. ASU, Phoenix, AZ (2007)  
 Storer Life Sciences Lecturer, University of California, Davis (2006)  
 Louis Thaler Lecturer, Université Montpellier II, France (2004)  
 Michael Perkins Lecturer, University of Cambridge, UK (2003)  
 Okubo Distinguished Scholar Lecturer, State University of New York, Stony Brook (2003)  
 Frank G. & Jean M. Chesley Lecturer, Carleton College, Northfield, MN (2002)  
 Kaeser Lecturer, University of Wisconsin (2001)  
 Okubo Prize Lecturer, Society for Mathematical Biology and Japanese Society for Theoretical Biology (2001)  
 Per Brinck Lecturer, Lund University (1999)  
 R. Kent Nagle Lecturer, University of South Florida, Tampa (1999)  
 The Third Annual Stanislaw Ulam Memorial Lecturer, Santa Fe Institute, Santa Fe, NM (1996)  
 Ostrom Lecturer, Washington State University, Pullman (1994)  
 Commencement Speaker, Eastern Michigan University (1990)  
 MacArthur Lecturer, Ecological Society of American (1989)  
 H.J. Oosting Memorial Lecturer, Duke University, Durham, NC (1987)  
 Distinguished Ecologist Lecture Series Colorado State University (1987)  
 Grace Kimball Memorial Lecturer, Wilkes College, Wilkes-Barre, PA (1986)  
 Alexander Professorship Lecturer, Cornell University, Ithaca, NY (1985)  
 CBMS Lecturer, Conference on Mathematical Ecology, University of California, Davis (1985)  
 Lansdowne Lecturer, University of Victoria, Victoria, British Columbia, Canada (1981)