

INSIDE SFI:

ON AND OFF THE COWAN CAMPUS

<http://www.santafe.edu/events/update/insidesfi.php>

Bowles Teaches Albuquerque Elementary Class on Global Hunger and Water Scarcity

Sam Bowles (SFI Research Professor) spent the morning of February 8 at The Family School in Albuquerque working with a class of 5th to 8th graders who are devoting the year to a project on global poverty, hunger, and lack of water. He began with his own childhood in New Delhi and the question that led him to take up economics and has haunted him since: “seeing that people are so similar around the world, why are our economic fortunes so different?” Each member of the class had prepared questions, ranging from the role of geography in explaining poverty to the prospects for success in reaching the UN’s Millennium Goals. A lively discussion followed.

Epstein Authors Book

Joshua M. Epstein (Senior Fellow in Economic Studies at the Brookings Institution, and former SFI External Faculty) has authored a book entitled, *Generative Social Science, Studies in Agent-Based Computational Modeling*, Princeton University Press, 2006.

March Public Lecture

Scott E. Page (Professor of Complex Systems, Political Science, and Economics at the University of Michigan and SFI External Faculty member) will present a Public Lecture on **Wednesday, March 14, 2007 at 7:30 p.m.**, at the James A. Little Theater. He is author of *The Difference* and coauthor of *Complex Adaptive Social Systems* (Princeton University Press). The title of the lecture is “The Difference: How the Power of Diversity Creates Better Groups, Firms, Schools and Societies.” For more information, please see <http://www.santafe.edu/events/talks-public-lectures.php>

BUSINESS NETWORK NEWS

<http://www.santafe.edu/events/update/businessnetwork.php>

SFI Co-hosts Virtual Topical Meeting With 300 Avatars

SFI co-hosted its first virtual meeting, entitled “Collective Intelligence in Synthetic Environments” via Second Life with co-sponsors Cisco Systems and Stanford University’s Media X. In addition to a full roster of speakers onsite, including **Leighton Reed** (SFI Trustee), **Christian Renaud** (Cisco Systems), **Geoffrey West** (SFI), and **David Ackley** (UNM), there were two remote presenters, **Thomas Malone** (MIT) and **Alph Bingham** (InnoCentive). Approximately 60 attendees participated in Santa Clara and over 300 avatars participated via Second Life. The meeting was held February 20, 2007, in Santa Clara, CA.

SFI News Now Available Via Rss Feed

Beginning March 1, SFI News will be available via RSS (Really Simple Syndication) Feed to your computer or PDA. This service allows you to subscribe to SFI news and read it in a variety of ways, including having it delivered directly to your desktop. Please visit us online to view and subscribe to the SFI news feed: <http://www.santafe.edu/news.php>

For details on how to subscribe from your particular platform, please visit the comprehensive RSS tutorial online at <http://www.wizard-creek.com/rss/tutorial/rss-tutorial-outline.htm> or email webmaster@santafe.edu if you have any questions.

2007 Topical Meeting Schedule

March 16 – “Diverse Teams, Wise Crowds, and Informed Experts” with Scott Page and Michael Mauboussin, Chicago, IL (venue TBA)

April 16 -20 – Agent Based Modeling and Simulation Course, co-hosted by and held at Argonne National Laboratory, Woodridge, IL

TBD – “Flows on Distributed Networks” with David Krakauer (SFI Research Professor), co-hosted by Boeing, Seattle, WA

September 6-7 – “Conflict, Robustness and Creativity” with Jessica Flack (SFI Research Fellow), co-hosted by CNO-SSG, Washington, DC

September 27 – Adaptive and Resilient Computer Security Workshop (ARCS) 2007 co-hosted by BT, Imperial College, London

November 1 -2 – “Diversity Collapse: How, When and What are the Consequences?” Annual Business Network and Board of Trustees’ Symposium, held at Bishop’s Lodge, Santa Fe, NM.

PUBLICATIONS

<http://www.santafe.edu/events/update/publications.php>

Refereed Literature

<http://www.santafe.edu/events/update/publications.php>

Aparicio, J. P., and **M. Pascual**. “Building Epidemiological Models from R-0: An Implicit Treatment of Transmission in Networks.” *Proceedings of The Royal Society B—Biological Sciences* 274 (1609) (2007): 505-512.

Enquist, B. J., **A. P. Allen**, **J. H. Brown**, **J. F. Gilloly**, **A. J. Kerkhoff**, **K. J. Niklas**, **C. A. Price**, and **G. B. West**. “Does the Exception Prove the Rule?” *Nature* 445(7127) (2007): 9-10.

Erwin, D. H. “Disparity: Morphological Pattern and Developmental Context.” *Palaeontology* 50(Pt 1) (2007): 57-73.

Fernandez, P., and **R. V. Solé**. “Neutral Fitness Landscapes in Signalling Networks.” *Journal of The Royal Society Interface* 4(12) (2007) 41-47.

Fischer, W., S. Perkins, J. Thiel, T. Bhattacharya, K. Yum, R. Funkhouser, C. Kuiken, B. Hayes, N. L. Levin, W. D. Walker, B. H. Han, and B. T. Korber. "Polyvalent Vaccines for Optimal Coverage of Potential T-Cell Epitopes in Global HIV-1 Variants." *Nature Medicine* 13(1) (2007): 100-106.

Gintis, H. "The Emergence of a Price System from Decentralized Bilateral Exchange." *Contributions to Theoretical Economics* 6(1) (2006).

Savage, V. M., and G. B. West. "A Quantitative, Theoretical Framework for Understanding Mammalian Sleep." *Proceedings of the National Academy of Sciences of the United States of America* 104(3) (2007): 1051-1056.

Shubik, M., and E. Smith. "Structure, Clearinghouses and Symmetry." *Economic Theory* 30(3) (2007): 587-597.

Library Acquisitions

For a list of recent purchases by the SFI Library, please see
<http://www.santafe.edu/events/update/library.php>

CALENDAR OF EVENTS

<http://www.santafe.edu/events/calendar.php>

March 1-3, 2007

Working Group — "The Continued Study of Language Acquisition and Evolution," organized by **John Holland** (SFI & University of Michigan, Ann Arbor). Held at the Santa Fe Institute.

March 1-4, 2007

Workshop — "Deception: Methods, Motives, Contexts & Consequences," organized by **Brooke Harrington** (Brown University). Held at the Santa Fe Institute.

March 14, 2007

Public Lecture — "The Difference: How the Power of Diversity Creates Better Groups, Firms, Schools and Societies," **Scott E. Page** (SFI & University of Michigan - Complex Systems, Political Science & Economics) organized by **Ginger Ric hardson** (SFI). Held at the James A. Little Theater, New Mexico School for the Deaf.

April 18, 2007

Public Lecture — "Inevitable Life?" D. Eric Smith (SFI - Frontiers in Integrative Biological Research Program) organized by **Ginger Ric hardson** (SFI). Held at the James A. Little Theater, New Mexico School for the Deaf.

May 4-5, 2007

Meeting — "Annual Science Board Meeting and Symposium," organized by **Geoffrey West** and

Ch ris Wo od (SFI), and Science Board Co-Chairs **Dav id Cam pb el l** (Boston University) and **Si mo n L ev in** (Princeton University). Held at the Santa Fe Institute.

May 9, 20 07

Public Lecture — “New Mexico’s Renewable Energy Future,” **Be n L uc e** (Los Alamos National Laboratory; Director, New Mexico Coalition for Clean Affordable Energy) organized by **Gi ng er Ric har ds on** (SFI). Held at the James A. Little Theater, New Mexico School for the Deaf.

MARCH VISITORS AND ARRIVALS

<http://www.santafe.edu/events/monthlyvisitors.php>

Ga ne sh Ba gler (3/1-25), Mathematical Modeling and Computational Biology Group, Centre for Cellular and Molecular Biology. Purpose of visit: International Fellow. SFI host: Shannon Larsen.

Ric har d B ele w (3/1-4), Cognitive Computer Science Research Group, UCSD. Purpose of visit: Research Collaboration. SFI host: David Krakauer.

Ji m Br own (3/2-4), Department of Biology, University of New Mexico. Purpose of visit: Research Collaboration. SFI host: Geoffrey West.

Br ia n E nq ui st (3/1-3), Ecology and Evolutionary Biology, University of Arizona. Purpose of visit: Research Collaboration. SFI host: Geoffrey West.

Jo hn G ean ak op lo s (3/10-17), Cowles Foundation for Research in Economics, Yale University. Purpose of visit: External Faculty. SFI host: Chris Wood.

Th eo Ge isel (3/9-10) Theoretical Physics, University of Gottingen. Purpose of visit: Research Collaboration. SFI host: Doyne Farmer.

Ra y Jac ke nd off (3/21-24), Center for Cognitive Studies, Tufts University. Purpose of visit: Research Collaboration. SFI host: Chris Wood.

An n Ki nz ig (3/12-14), School of Life Sciences, Arizona State University. Purpose of visit: Research Collaboration. SFI host: Simon Levin.

Si mo n L ev in (3/11-16), Department of Ecology and Evolutionary Biology, Princeton University. Purpose of visit: Research Collaboration. SFI host: Geoffrey West.

Pa dra ic Mo na gh an (3/5-9), Psychology, University of York. Purpose of visit: Research Collaboration. SFI host: Morten Christiansen.

Sc ott P age (3/13-15), Political Science and Economics/Center for Study of Complex Systems, University of Michigan. Purpose of visit: Education. SFI host: Ginger Richardson.

Charles Perrings (3/12-14), Global Institute of Sustainability, Arizona State University. Purpose of visit: Research Collaboration. SFI host: Simon Levin.

Martin Shubik (3/6-4/3), Yale School of Management, Yale University. Purpose of visit: External Faculty. SFI host: Chris Wood.

Nicolaos Tilianakidis (3/31-4/13), Joint Research Centre, European Commission. Purpose of visit: Research Collaboration. SFI host: Alan Perelson.

James Trefil (3/11-12), Clarence J. Robinson Professor of Physics, George Mason University. Purpose of visit: Education. SFI host: Ginger Richardson.

Peter Turcotte (3/7-14), Ecology and Evolutionary Biology, University of Connecticut. Purpose of visit: Research Collaboration. SFI host: David Krakauer.

Mark Turner (3/11-16), Cognitive Science, Case Western Reserve University. Purpose of visit: Colloquia. SFI host: David Krakauer.

Gabriela Vaglica (3/9-27), Dipartimento di Fisica e Tecnologie Relative (DiFTeR), Università degli Studi di Palermo. Purpose of visit: Research Collaboration. SFI host: Doyne Farmer.