INSIDE SFI: ON AND OFF THE COWAN CAMPUS
http://www.santafe.edu/events/update/insidesfi.php

WEST HONORED BY UNIVERSITY OF OXFORD

SFI President and Distinguished Professor Dr. Geoffrey B. West was awarded the Weldon Memorial Prize by the University of Oxford. The prize was founded to perpetuate the memory of Professor W. R. E. Weldon and to encourage Biometric Science. Previous recipients include Ronald Fisher, Sewall Wright, John Maynard Smith, and Lord Robert May.

WOOD SERVES ON NATIONAL SECURITY PANEL

SFI Vice President C. C. Wood served on an Issues Panel on National Security for the Hill Forum on Complexity Science and Public Policy, held on March 9 at the U.S. Capitol Building in Washington DC.

KOHLER PROMOTED TO REGENTS PROFESSOR

SFI External Faculty member Timothy Kohler, has been promoted to Regents Professor at Washington State University. Anyone considered for promotion to Regents Professor must be a tenured full professor or the equivalent. Candidates must have served at WSU for the last seven years; achieved the highest level of distinction in a discipline; raised the standards of the university through activities in teaching, scholarship and public service; and sustained a level of accomplishment receiving national or international recognition. The number of these promotions is limited to three annually, with the number of active Regents Professors not to exceed 30.

Kohler is best known for his archaeological research in the southwestern United States. He has, in some ways, changed the face of archeology with his sophisticated computer analysis of voluminous data related to climate, geography, food sources and other factors that influence human settlements.

For more information, please see http://www.wsutoday.wsu.edu/completestory.asp?StoryID=2782

SFI FEATURED IN NATIONAL GEOGRAPHIC

SFI is mentioned in the March 2006 issue of National Geographic. “The Origin of Life...Through Chemistry,” an article by Joel Achenbach, describes work by Harold Morowitz (George Mason University) and Eric Smith (SFI Professor). Achenbach reviews the idea that metabolism may have been the first departure on the road from abiotic geochemistry to life, and that many core metabolic pathways surviving in modern cells may be central clues to how that transition occurred almost four billion years ago.

MAY PUBLIC LECTURE

The Santa Fe Institute will present a Public Lecture on Wednesday, May 10, 2006, at 7:30 pm at the James A. Little Theater.


Because most occupations encourage a degree of specialization, most of us end up with pretty narrow slices of knowledge. For example, many economists base their models on rational investors or normal distributions without looking at how the world really works. The core premise of this talk is simple to state
but devilishly difficult to live: you will be a better investor, parent, friend—person—if you approach problems from a multidisciplinary perspective. Mauboussin will discuss how lessons from Babe Ruth, Tupperware parties, the Wright Brothers, and ant colonies can make you a better decision maker.

**NEW EVENT’S MANAGER**

SFI welcome’s new Event’s Manager Wayne Coté. Wayne has extensive events management experience with major hotels nationally and internationally (including experience in Santa Fe) and will bring much expertise and experience to the position.

Wayne is a Communications graduate from the University of Maine and a Clinical Psychology graduate from Washington University, St. Louis.

**BUSINESS NETWORK NEWS**

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

**AGENT-BASED MODELING AND SIMULATION COURSE**

An intensive introduction to agent-based modeling and simulation (ABMS) with a focus on business applications will be held on April 24-28, 2006, at Argonne National Laboratory. The first half of the course will focus on ABMS concepts from the perspective of company managers and analysts. The second half of the course will focus on ABMS implementation from the perspective of company software developers and will include extensive hands-on exercises. Participants are invited to attend the first session, the second session or both, depending on their interests.

For more information and to register please go to http://www.dis.anl.gov/abms/

**NOTES FROM THE INTERNATIONAL PROGRAM**

http://www.santafe.edu/events/update/international.php

**FELLOWS VISIT SFI**

SFI International Fellow Miguel Fuentes of Centro Atomico de Bariloche returned to SFI in March to continue his research with David Krakauer. He will also further his own research on the extension of escape rate equations in chaotic maps and the studies of power spectrum behavior in colored noise processes.

SFI International Visitor Manuel Eguia of the Centro de Estudios e Investigaciones, Universidad Nacional de Quilmes in Argentina, arrived at SFI in March to further his recent work on social capital networks that evolved following the Argentinian currency crisis.

**SFI VISITS PRAGUE AND BUDAPEST**

Chris Wood, Vice President, and Shannon Larsen, International and Business Networks, traveled to Prague and Budapest to visit with former SFI International Fellows David Storch, Beata Oborny, and Balazs Vedres.

**PUBLICATIONS**

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

**WORKING PAPERS**

http://www.santafe.edu/research/publications/working-papers.php

**06-03-012**

Market Efficiency and the Long-Memory of Supply and Demand: Is Price Impact Variable and Permanent or Fixed and Temporary?

J. Doyne Farmer, Austin Gerig, Fabrizio Lillo, and Szabolcs Mike
06-03-011
Chemical Carnot Cycles, Landauer’s Principle, and the Thermodynamics of Natural Selection
D. Eric Smith

06-03-010
Qubit Complexity of Continuous Problems
A. Papageorgiou and J. F. Traub

06-03-009
A Model of the Ethylene Signaling Pathway and its Gene Response in Arabidopsis thaliana: Noise-Filtering Properties
José Diaz and Elena R. Alvarez-Buylla

06-03-008
Hierarchical Self-Organization in the Finitary Process Soup
Olof Goernerup and James P. Crutchfield

06-03-007
Dynamic Patterns of Gene Regulation I: Simple Two Gene Systems
Stefanie Widder, Josef Schicho, and Peter Schuster

REFERENCE
LITERATURE
http://www.santafe.edu/events/update/publications.php


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

April 3 - 5, 2006
Workshop — “Degeneracy and Complexity in the Immune System,” Organized by Eli Sercarz (Torrey Pines Institute) and Alan Perelson (LANL and SFI)

April 5, 2006

April 16 - 20, 2006

May 10, 2006

May 12 - 13, 2006
Meeting — “Annual Science Board and Trustee Meeting,” organized by Geoff West and Chris Wood (SFI). Held at the Santa Fe Institute.

May 23, 2006

May 29 - June 2, 2006
Workshop — “From Vent Chemistry to Biochemistry,” organized by Harold Morowitz (George Mason University and SFI) and Eric Smith (SFI). Held at the Santa Fe Institute.

June 4 - 30, 2006
Educational Program — “Complex Systems Summer School - Santa Fe,” directed by Dan Rockmore (Dartmouth College and SFI) and administered by the Santa Fe Institute (SFI). Held at St. John’s College in Santa Fe, New Mexico.

July 6 - 8, 2006
Workshop — “Degeneracy and Complexity in The Immune System,” organized by Eli Sercarz (Torrey Pines Institute) and Alan Perelson (LANL and SFI). Held at the Santa Fe Institute.
July 9 - August 4, 2006
Educational Program — “Complex Systems Summer School - Beijing,” co-directed by David P. Feldman (College of the Atlantic and SFI) and Chen Xiao-song (Institute for Theoretical Physics, CAS). Sponsored by SFI in cooperation with the Institute of Theoretical Physics, and the Graduate School, Chinese Academy of Sciences (CAS). Held at the Institute of Theoretical Physics in Beijing, China.

July 9 - 22, 2006
Educational Program — “Grad Workshop in Computational Social Sciences,” organized by John Miller (Carnegie Mellon University and SFI) and Scott Page (University of Michigan-Ann Arbor). Held at St. John’s College.

July 12, 2006

July 16 - 23, 2006

September 10 - 12, 2006
Workshop — “Probing the Limits,” organized by Doug Erwin (SFI). Held at the Santa Fe Institute.

September 12 - 14, 2006

September 13 - 19, 2006

September 28 - October 1, 2006
Working Group — “Unifying Current Theories of Ecology,” Drew Allen (University of California-Santa Barbara); Jessica Green, Organizer (University of California-Merced); Steve Hubbell, (University of Georgia and Smithsonian Tropical Research Institute); Pablo Marquet, (Catholic University of Chile and former SFI International Fellow). Held at the Santa Fe Institute.

November 1 - 2, 2006

November 3 - 5, 2006
Meeting — “Annual Business Network and Board of Trustees Meeting,” organized by Bill Miller (Legg Mason), Geoff West (SFI), and Chris Wood (SFI). Held at the Santa Fe Institute and Inn at Loretto.

November 15, 2006
Public Lecture — “Forecasting Natural Disasters in the Chaotic and Complex Earth,” by John Rundle with Geoffrey West, organized by Ginger Richardson. Held at the James A. Little Theater.

APRIL VISITORS AND ARRIVALS
http://www.santafe.edu/events/monthlyvisitors.php

George Djorgovski (4/19-27), Professor of Astronomy, California Institute of Technology.


Erica Jen (4/12-21), Faculty, Santa Fe Institute.

Carolin Kosiol (4/12-16), EMBL-European Bioinformatics Institute.

Matthew Meselson (4/5-12), Molecular Biology, Harvard University.

Bob Phillips (4/23-29), Institute for Inclusive Learning Communities, University of Tasmania.

Dawn Sumner (4/11-12), Geology Department, University of California-Davis.