

Lijst van boeken met SFI faculty als auteurs.

Samengesteld door Sander Bais (20/09/2014)

Decision Making and Imperfection Book

Guy, T., Karny, M., Wolpert, D. H.

Decision making (DM) is ubiquitous in both natural and artificial systems. The decisions made often differ from those recommended by the axiomatically well-grounded normative Bayesian decision theory, in a large ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2557>

The Nature of Computation Book

Moore, C., Mertens, S.

Computational complexity is one of the most beautiful fields of modern mathematics, and it is increasingly relevant to other sciences ranging from physics to biology. But this beauty is often ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2184>

Chaos and Fractals: An Elementary Introduction Book

Feldman, D. P.

This book provides the reader with an elementary introduction to chaos and fractals, suitable for students with a background in elementary algebra, without assuming prior coursework in calculus or physics. ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2512>

Mapping Mongolia: Situating Mongolia in the World from Geologic Time to the Present Book

Sabloff, P.

Would marginalized countries such as Mongolia benefit from a reconfiguration of area studies programs or even from another way of thinking about grouping nations? This book uses Mongolia as a ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2196>

Emergence and Collapse of Early Villages: Models of Central Mesa Verde Archaeology Edited Book

Kohler, T. A., Varien, M. D.

Ancestral Pueblo farmers encountered the deep, well watered, and productive soils of the central Mesa Verde region of Southwest Colorado around A.D. 600, and within two centuries built some of ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2360>

In Praise of Science: Curiosity, Understanding, and Progress Book

Bais, S.

Bais, S. (2010). "In Praise of Science: Curiosity, Understanding, and Progress." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1995>

Transistor Rodeo: Poems Book

Wilkins, J. F.

Wilkins, JF (2010). "Transistor Rodeo: Poems." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1997>

Networks: An Introduction Book

Newman, M. E. J.

Newman, MEJ (2010). "Networks: An Introduction." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1991>

Manhattan Project to the Santa Fe Institute: The Memoirs of George A. Cowan Book

Cowan, G. A.

Cowan, GA (2010). "Manhattan Project to the Santa Fe Institute:

The Memoirs of George A. Cowan." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1996>

Shadows in the Valley: A Cultural History of Illness, Death, and Loss in New England, 1840-1916 Book

Swedlund, A. C.

Swedlund, AC (2010). "Shadows in the Valley: A Cultural History of Illness, Death, and Loss in New England, 1840-1916." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1994>

Meaning and the Lexicon: The Parallel Architecture, 1975-2010 Book

Jackendoff, R.

Jackendoff, R. (2010). "Meaning and the Lexicon: The

Parallel Architecture, 1975-2010." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1712>

Complexity: A Guided Tour Book

Mitchell, M.

Mitchell, M. (2009). "Complexity: A Guided Tour." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1549>

The Emergence of Organizations and Markets Book

Padgett, J. F., Powell, W. W.

Padgett, JF, Powell, WW (2012). "The Emergence of Organizations and Markets." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2495>

Signals and Boundaries: Building Blocks for Complex Adaptive Systems Book

Holland, J. H.

Complex adaptive systems (cas), including ecosystems, governments, biological cells, and markets, are characterized by intricate hierarchical arrangements of boundaries and signals. In ecosystems, for example, niches act as semi-permeable boundaries, ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2449>

Mathematical Anthropology Book

White, D. R.

White, DR (1974). "Mathematical Anthropology." Handbook of Social and Cultural Anthropology():369-446

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1620>

The New Economics of Inequality and Redistribution Book

Bowles, S.

Bowles, S. (2012). "The New Economics of Inequality and Redistribution." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2434>

Principles of Evolution: From the Planck Epoch to Complex Multicellular Life Book

Meyer-Ortmanns, H., Thurner, S.

Meyer-Ortmanns, H., Thurner, S. (2011). "Principles of Evolution: From the Planck Epoch to Complex Multicellular Life." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2183>

Network Analysis and Ethnographic Problems: Process Models of a Turkish Nomad Clan Book

White, D. R., Johnsen, U.

White, DR, Johnsen, U. (2006). "Network Analysis and Ethnographic Problems: Process Models of a Turkish Nomad Clan." ():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1608>

Email Networks and the Spread of Computer Viruses Journal Article

Newman, M. E. J., Forrest, S., Balthrop, J.

Many computer viruses spread via electronic mail, making use of computer users' email address books as a source for email addresses of new victims. These address books form a directed ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=250>

Inequality, Cooperation, and Environmental Sustainability Book

Baland, J.-M., Bardhan, P., Bowles, S.

Baland, J.-M., Bardhan, P., Bowles, S. (2006). "Inequality, Cooperation, and Environmental Sustainability." ():360 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=627>

The Physics of information Book Section

Bais, F.A., Farmer, D.

Information is a recognized fundamental notion across the sciences and humanities, which is crucial to understanding physical computation, communication, and human cognition. The Philosophy of Information brings together the most important perspectives on information. It includes major technical approaches, while also setting out the historical backgrounds of information as well as its contemporary role in many academic fields. Also, special unifying topics are high-lighted that play across many fields, while we also aim at identifying relevant themes for philosophical reflection. There is no established area yet of Philosophy of Information, and this Handbook can help shape one, making sure it is well grounded in

scientific expertise. As a side benefit, a book like this can facilitate contacts and collaboration among diverse academic milieus sharing a common interest in information. In "Philosophy of Information", Edited by Pieter Adriaans and Johan van Benthem, Elsevier Publishers (2008).

Cooperation Book

Bowles, S., Gintis, H.

Bowles, S., Gintis, H. (2007). "Cooperation." The New Palgrave Encyclopedia of Economics():

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1031>

Understanding Capitalism: Competition, Command, and Change Book

Bowles, S., Roosevelt, F., Edwards, R.

Bowles, S., Roosevelt, F., Edwards, R. (2005). "Understanding Capitalism: Competition, Command, and Change." ():608

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=1482>

Globalization and Egalitarian Redistribution Book

Bardhan, P., Bowles, S., Wallerstein, M.

Bardhan, P., Bowles, S., Wallerstein, M. (2006). "Globalization and Egalitarian Redistribution." ():362 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=620>

Moral Sentiments and Material Interests: The Foundations of Cooperation in Economic Life Book

Gintis, H., Bowles, S., Boyd, R. T., Fehr, E.

Gintis, H., Bowles, S., Boyd, RT, Fehr, E. (2005). "Moral Sentiments and Material Interests: The Foundations of Cooperation ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=713>

Aquatic Food Webs: An Ecosystem Approach Book

Belgrano, A., Scharler, U., Dunne, J. A., Ulanowicz, R. E.

Belgrano, A., Scharler, U., Dunne, JA, Ulanowicz, RE (2005). "Aquatic Food Webs: An Ecosystem Approach." ():272 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=550>

Unequal Chances: Family Background and Economic Success Book

Bowles, S., Gintis, H., Groves, M. O.

Bowles, S., Gintis, H., Groves, MO (2005). "Unequal Chances: Family Background and Economic Success." ():304 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=618>

Robustness and Evolvability in Living Systems Book

Wagner, A.

Wagner, A. (2005). "Robustness and Evolvability in Living Systems." Princeton Studies in Complexity():408 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=742>

Human Biologists in the Archives: Demography, Health, Nutrition, and Genetics in Historical Populations Book

Herring, D. A., Swedlund, A.

Herring, DA, Swedlund, A. (2003). "Human Biologists in the Archives: Demography, Health, Nutrition, and Genetics in Historical ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=665>

Microeconomics: Behavior, Institutions, and Evolution Book

Bowles, S.

Bowles, S. (2003). "Microeconomics: Behavior, Institutions, and Evolution." ():608 pp

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=112>

Political Institutions and Sorting in a Tiebout Model Book Section

Kollman, K., Miller, J. H., Page, S. E.

Kollman, K., Miller, JH, Page, SE (2003). "Political Institutions and Sorting in a Tiebout Model." Computational Models in ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2233>

The Standing Ovation Problem Journal Article

Miller, J. H., Page, S. E.

Miller, JH, Page, SE (2004). "The Standing Ovation Problem." Complexity9(5):8-16

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=133>

Computational Models in Political Economy Introduction Book Section

Kollman, K., Miller, J. H., Page, S. E.

Kollman, K., Miller, JH, Page, SE (2003). "Computational Models in Political Economy Introduction." Computational Models ...

<http://www.santafe.edu/research/publications/sfi-bibliography/detail/?id=2229>

Complex Adaptive Systems: An Introduction to Computational Models of Social Life" Book

Miller, J. H., Page, S. E.

Princeton Univ. Press (2007)

<http://press.princeton.edu/titles/8429.html>

This book provides the first clear, comprehensive, and accessible account of complex adaptive social systems, by two of the field's leading authorities. Such systems--whether political parties, stock markets, or ant colonies--present some of the most intriguing theoretical and practical challenges confronting the social sciences. Engagingly written, and balancing technical detail with intuitive explanations, Complex Adaptive Systems focuses on the key tools and ideas that have emerged in the field since the mid-1990s, as well as the techniques needed to investigate such systems. It provides a detailed introduction to concepts such as emergence, self-organized criticality, automata, networks, diversity, adaptation, and feedback. It also demonstrates how complex adaptive systems can be explored using methods ranging from mathematics to computational models of adaptive agents."