



Annual Science Board Symposium
New Science. New Horizons.

April 30-May 1, 2015

Venues: *Eldorado Hotel and Spa*, 309 West San Francisco Street, Santa Fe

Dress: Business casual for all events

This annual Science Board Symposium will focus on new SFI faculty, new postdocs and new ideas for science.

Agenda

Thursday, April 30

Eldorado Hotel, Presidential Suite

5:30 p.m. Welcome Reception

Friday, May 1

Eldorado Hotel, Anasazi Ballroom

7:30 a.m. Registration and Full Breakfast Buffet

8:45 Welcome and Overview
Jerry Sabloff, *Santa Fe Institute President*

8:50 Welcome Science Board Co-chairs
Mimi Koehl, *University of California, Berkeley*
Dan Stein, *New York University*

9:00 "A statistical physicist looks at some complex systems"
Sidney Redner, *Santa Fe Institute Professor*

9:30 "How interaction of mind and environment shapes social judgments"
Mirta Galesic, *Santa Fe Institute Professor and Cowan Chair in Human Social Dynamics*

10:00 *Introduction Liz Bradley, SFI Science Bd. Postdoc Committee Chair*
Lightning Research Talks – *SFI Omidyar and Postdoctoral Fellows*
Josh Grochow
Yoav Kallus
Caitlin Stern
Justin Yeakel

10:32 Break

- 11:00 "The Landauer limit and thermodynamics of biological computation"
David Wolpert, *Santa Fe Institute Professor*
- 11:30 Lightning Research Talks – *SFI Omidyar and Postdoctoral Fellows*
Andrew Berdahl
Laurent Hébert-Dufresne
Christa Brelsford
Markus Schläpfer
- 12:02 Lunch
- 1:20 "The science of measuring quality and value in health care: Complexity and vulnerability"
Christine Cassel, *President and CEO, National Quality Forum*
- 2:10 "Morphological computation in complex environments: Leaping lizards, crashing cockroaches, and running robots"
Robert Full, *Professor, Integrative Biology, University of California, Berkeley*
- 3:00 Break
- 3:20 "Complex systems and the brain - From networks to dynamics and function"
Olaf Sporns, *Distinguished Professor, Provost Professor, Robert H. Shaffer Chair, Psychological & Brain Sciences, Indiana University*
- 4:10 "Transboundary problems in infectious diseases"
Ramanan Laxminarayan, *Director and Senior Fellow, Center for Disease Dynamics, Economics, & Policy*
- 5:00 Adjourn
Please enjoy Santa Fe's fine restaurants for dinner on your own this evening.

Schedule subject to change.

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