



SANTA FE INSTITUTE

## Modeling Technological Innovation

August 13 – 15, 2008  
Santa Fe, New Mexico

### Tuesday 12 August

7:00-9:00 PM Welcome Reception - Hotel Santa Fe

### Wednesday 13 August

8:15	Hotel Santa Fe Van departs to the Santa Fe Institute
8:30	Breakfast
9:00-9:15	Introduction
9:15 - 10:00	<b>Tihamer Von Ghyczy</b> (University of Virginia), <i>Experience curves: Theory and Practice</i>
10:00-10:30	Discussion
10:30-10:45	Coffee Break
10:45-11:30	<b>Nebojsa Nakicenovic</b> (International Institute for Applied Systems Analysis/Vienna University of Technology), <i>Title, "TBA"</i>
11:30-12:00	Discussion
12:00-1:30	Buffet Luncheon
1:30-2:15	<b>Chris Magee</b> (Massachusetts Institute of Technology), <i>Progress towards a "more useful theory" of Engineering Innovation</i>
2:15-2:45	Discussion
2:45-3:00	Coffee Break
3:00-3:45	<b>William D Nordhaus</b> (Yale University), <i>Title, "TBA"</i>

3:45-5:00	Discussion
5:15	Hotel Santa Fe Van departs Santa Fe Institute back to the Hotel Santa Fe
6:15	Short Walk to RISTRA Restaurant 548 Agua Fria Street – (505)982-8608
6:30	Dinner in the garden at RISTRA Restaurant
9:30	Walk back to Hotel Santa Fe

### **Thursday 14 August**

8:15	Hotel Santa Fe Van departs to the Santa Fe Institute
8:30	Breakfast
9:00-9:45	<b>Alessandro Nuvolari</b> (Eindhoven University of Technology), <i>Technical choice, Innovation and British Steam Engineering, 1800-1850</i>
9:45-10:15	Discussion
10:15-10:45	Coffee Break
10:45-11:45	<b>Joel Mokyr</b> (Northwestern University), <i>Cultural Evolution and the Beginning of Modern Economic Growth</i>
11:45-12:00	Discussion
12:00-1:30	Buffet Luncheon
1:30-2:15	<b>Doug Erwin</b> (Smithsonian Institution and SFI), <i>Patterns of Biological Innovation</i>
2:15-2:45	Discussion
2:45-3:00	Coffee Break
3:00-3:45	<b>W. Brian Arthur</b> (Palo Alto Research Center, (PARC and SFI), <i>Title, “TBA”</i>
3:45-5:00	Discussion
5:15	Hotel Santa Fe Van departs Santa Fe Institute back to the Hotel Santa Fe

**Friday 15 August**

8:15	Hotel Santa Fe Van departs to the Santa Fe Institute
8:30	Breakfast
9:00-9:30	<b>Stephanie Forrest</b> (University of New Mexico and SFI), <i>"Design constraints for Technological networks"</i>
9:30-9:40	Discussion
9:40-10:10	<b>Rob Axtell</b> (George Mason University and SFI), <i>"Joint Evolution of Economic Goods, Technological Complexity, and Agent Welfare"</i>
10:10-10:20	Discussion
10:20-10:40	Coffee Break
10:40-11:10	<b>Alan McDonald</b> (International Atomic Energy Agency, (IAEA), <i>Nuclear Power + Learning Curves = Frustration(squared)</i>
11:10-11:20	Discussion
11:20-11:50	<b>Gregory Nemet</b> (University of Wisconsin, Madison), <i>"Demand subsidies versus R&amp;D: characterizing the uncertain impacts of policy for a pre-commercial low-carbon energy technology"</i>
11:50-12:00	Discussion
12:00-1:30	Buffet Luncheon
1:30-5:00	Discussion
2:45-3 :00	Coffee Break
5:15	Hotel Santa Fe Van departs Santa Fe Institute back to the Hotel Santa Fe