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  Tihamer Von Ghyczy (University of Virginia), Experience curves: Theory and Practice

10:00-10:30  Discussion

10:30-10:45  Coffee Break

10:45-11:30  Nebojsa Nakicenovic (International Institute for Applied Systems Analysis/Vienna University of Technology), Title, “TBA”

11:30-12:00  Discussion

12:00-1:30  Buffet Luncheon

1:30-2:15  Chris Magee (Massachusetts Institute of Technology), Progress towards a “more useful theory” of Engineering Innovation

2:15-2:45  Discussion

2:45-3:00  Coffee Break

3:00-3:45  William D Nordhaus (Yale University), Title, “TBA”
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 RISTA Restaurant
   548 Agua Fria Street – (505)982-8608
6:30 Dinner in the garden at RISTA 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 **Alessandro Nuvolari** (Eindhoven University of Technology), *Technical choice, Innovation and British Steam Engineering, 1800-1850*
9:45-10:15 Discussion
10:15-10:45 Coffee Break
10:45-11:45 **Joel Mokyr** (Northwestern University), *Cultural Evolution and the Beginning of Modern Economic Growth*
11:45-12:00 Discussion
12:00-1:30 Buffet Luncheon
1:30-2:15 **Doug Erwin** (Smithsonian Institution and SFI), *Patterns of Biological Innovation*
2:15-2:45 Discussion
2:45-3:00 Coffee Break
3:00-3:45 **W. Brian Arthur** (Palo Alto Research Center, (PARC and SFI), *Title, “TBA”*
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  **Stephanie Forrest** (University of New Mexico and SFI), “Design constraints for Technological networks”

9:30-9:40  Discussion

9:40-10:10  **Rob Axtell** (George Mason University and SFI), "Joint Evolution of Economic Goods, Technological Complexity, and Agent Welfare"

10:10-10:20  Discussion

10:20-10:40  Coffee Break

10:40-11:10  **Alan McDonald** (International Atomic Energy Agency, (IAEA), Nuclear Power + Learning Curves = Frustration(squared))

11:10-11:20  Discussion

11:20-11:50  **Gregory Nemet** (University of Wisconsin, Madison), "Demand subsidies versus R&D: characterizing the uncertain impacts of policy for a pre-commercial low-carbon energy technology"

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