



SANTA FE INSTITUTE

Dynamics of Flows on Networks

Co-sponsored by The Boeing Company

July 30, 2007

Venue: *Bell Harbor International Conference Center*
2211 Alaskan Way, Seattle, WA 98121

This event will explore different approaches for modeling flows on networks.

Agenda

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| 8:30 a.m. | Continental Breakfast |
| 9:00 a.m. | Opening remarks
<i>Guy Higgins, VP, Analysis, Modeling, Simulation and Experimentation, Boeing</i> |
| 9:20 a.m. | Welcome and brief intro to SFI
<i>Geoffrey West, President and Distinguished Professor, Santa Fe Institute</i> |
| 9:40 a.m. | Meeting Overview
<i>David Krakauer, Professor, Santa Fe Institute</i> |
| 10:15 a.m. | “Structure of and Dynamics on Complex Networks”
<i>Sidney Redner, Professor, Physics Department, Boston University</i> |
| 11:15 a.m. | Coffee Break |
| 11:30 a.m. | “Contagion Processes On Networks”
<i>Peter S. Dodds, Assistant Professor, Department of Mathematics & Statistics, University of Vermont</i> |
| 12:30 p.m. | Buffet Lunch |
| 1:30 p.m. | “Computation in Distributed Networks”
<i>Melanie Mitchell, SFI External Faculty and Professor, Computer Science Department, Portland State University</i> |
| 2:30 p.m. | “Boeing as a Complex Adaptive Network”
<i>Dennis O'Donoghue, VP, Flight Operations, Test & Validation, Boeing</i> |
| 3:00 p.m. | Break |
| 3:30 p.m. | Round Table Discussion
<i>David Krakauer, Professor, Santa Fe Institute</i> |
| 4:30 p.m. | Cocktail Reception |