



Software Complexity: Implications for the Capability, Integrity, and Security of Large-Scale Software Systems Business Network Meeting

Wednesday, May 11, 2011

*Venue: Fidelity Investments, 245 Summer Street, Boston, MA
14th Floor, Auditorium Z (Unless Otherwise Noted)*

Co-Organizers

- Hamid Benbrahim, Fidelity Investments
- Chris Wood, Santa Fe Institute

Agenda:

9:30 a.m.	Registration
10:00 a.m.	Welcome on Behalf of Fidelity Investments <i>Hamid Benbrahim, Fidelity Investments</i>
10:05 a.m.	Introduction to Software Complexity at Fidelity <i>Jin Chun, VP PWI Systems Group, Fidelity Investments</i>
10:20 a.m.	Welcome on Behalf of Santa Fe Institute <i>Chris Wood, Santa Fe Institute</i>
10:25 a.m.	Measures of Complex Systems in Science and Technology <i>Cosma Shalizi, Carnegie Mellon University and Santa Fe Institute</i>
11:10 a.m.	Model Checking: My 30 Year Quest to Conquer the State Explosion Problem <i>Edmund Clarke, Carnegie Mellon University</i>
11:55 a.m.	Lunch
12:55 p.m.	Discovering and Enforcing Abstractions of Complex Systems <i>Patrick Lincoln, SRI International</i>
1:50 p.m.	Correcting Software Errors With Evolutionary Computation <i>Stephanie Forrest, University of New Mexico and Santa Fe Institute</i>



- 2:35 p.m. Break
- 2:45 p.m. Verification and Validation of Large-Scale Software Systems
Ned Allen, Lockheed Martin
- 3:30 p.m. Break
- 3:40 p.m. Complex Software Systems: Managing Methodology,
Metrics and Human Nature
Susan Girgis, Cisco Systems
- 4:25 p.m. Wrap-Up: Implications for the Financial Industry
David Mordecai, President, Risk Economics, Inc.
- 4:55 p.m. Closing Remarks
Hamid Benbrahim, Fidelity Investments
- 5:00 p.m. Reception
FCAT Commons/Lobby Area – 3rd Floor