COMPLEXITY OF DIVERSITY

A Santa Fe Institute Applied Complexity Short Course

March 22nd - 23rd, 2018 | San Francisco, CA

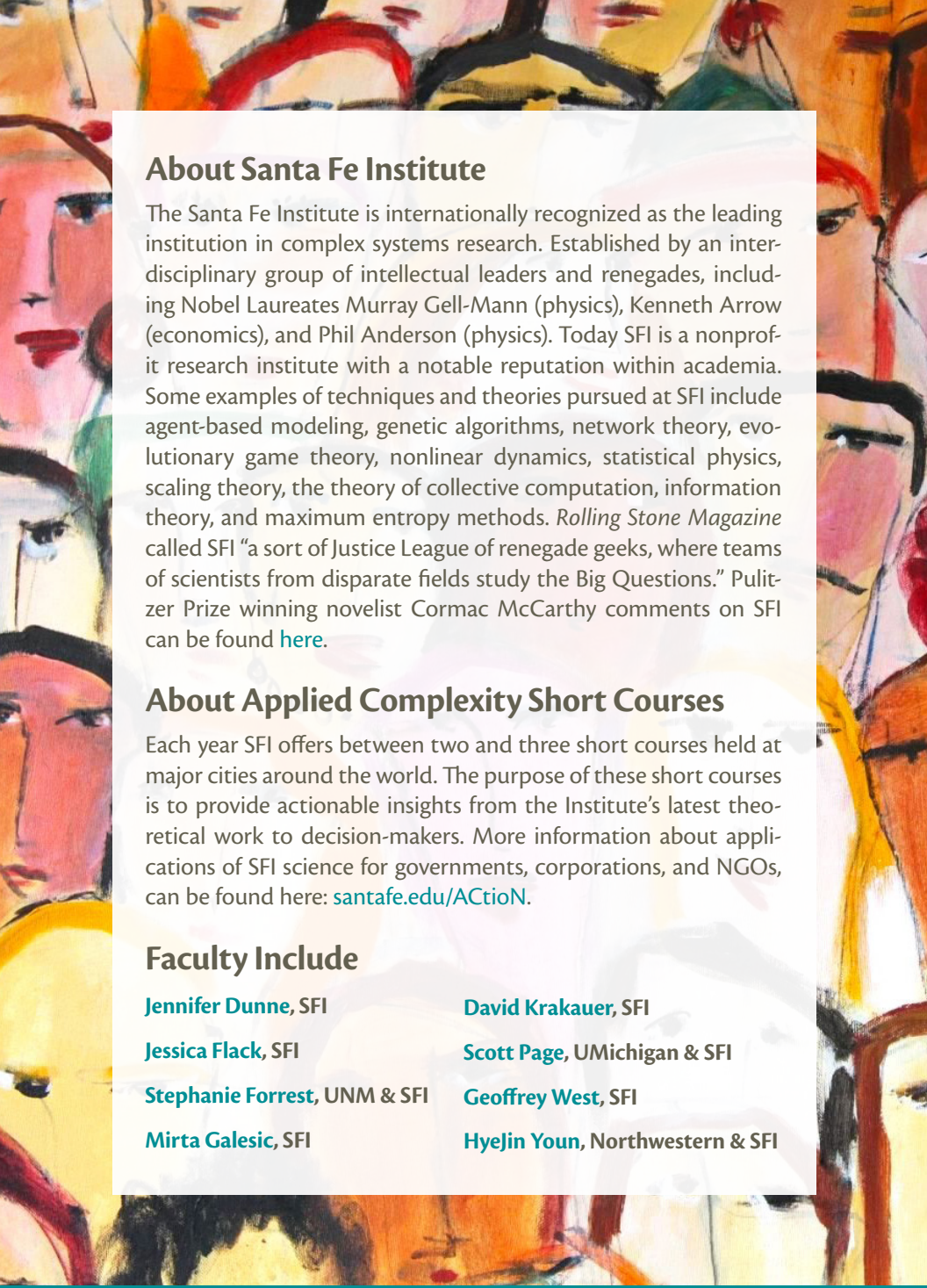
Why is diversity so important and what role does diversity play in discovery, problem solving, adaptability, and robustness?

This accessible two-day executive education course provides an intensive introduction to the functions of diversity in complex systems. Through lectures, exercises, and interactive discussions with prominent SFI faculty and your fellow participants, you will explore the relationship between diversity and resilience, adaptability, and the nature of collective decision-making. There will be particular emphasis on applications that are relevant for managers, executives, and board members. Specific focal areas include questions of social power, leadership, decision-making, and long-term resilience. The course content will be entirely scientific and rely on replicated empirical findings, rigorous models, basic mechanisms, and performance-oriented data analysis. Despite the scientific nature of the course's content, this course does not require prior knowledge of math, computer science, or complexity science.

The overarching goal of the short course is to educate industry leaders about the science of diversity. Policies for increasing and promoting diversity should be grounded in a scientific understanding of the complex systems that embody the preponderance of human interaction. When the leaders who design and implement diversity policies ignore the science of complex adaptive systems, they significantly increase the risk that their policies will backfire.

Go to santafe.edu/diversity to register.

SANTA FE INSTITUTE *Searching for Order in the Complexity of Evolving Worlds*



About Santa Fe Institute

The Santa Fe Institute is internationally recognized as the leading institution in complex systems research. Established by an interdisciplinary group of intellectual leaders and renegades, including Nobel Laureates Murray Gell-Mann (physics), Kenneth Arrow (economics), and Phil Anderson (physics). Today SFI is a nonprofit research institute with a notable reputation within academia. Some examples of techniques and theories pursued at SFI include agent-based modeling, genetic algorithms, network theory, evolutionary game theory, nonlinear dynamics, statistical physics, scaling theory, the theory of collective computation, information theory, and maximum entropy methods. *Rolling Stone Magazine* called SFI "a sort of Justice League of renegade geeks, where teams of scientists from disparate fields study the Big Questions." Pulitzer Prize winning novelist Cormac McCarthy comments on SFI can be found here.

About Applied Complexity Short Courses

Each year SFI offers between two and three short courses held at major cities around the world. The purpose of these short courses is to provide actionable insights from the Institute's latest theoretical work to decision-makers. More information about applications of SFI science for governments, corporations, and NGOs, can be found here: santafe.edu/ACtioN.

Faculty Include

Jennifer Dunne, SFI

Jessica Flack, SFI

Stephanie Forrest, UNM & SFI

Mirta Galesic, SFI

David Krakauer, SFI

Scott Page, UMichigan & SFI

Geoffrey West, SFI

HyeJin Youn, Northwestern & SFI