

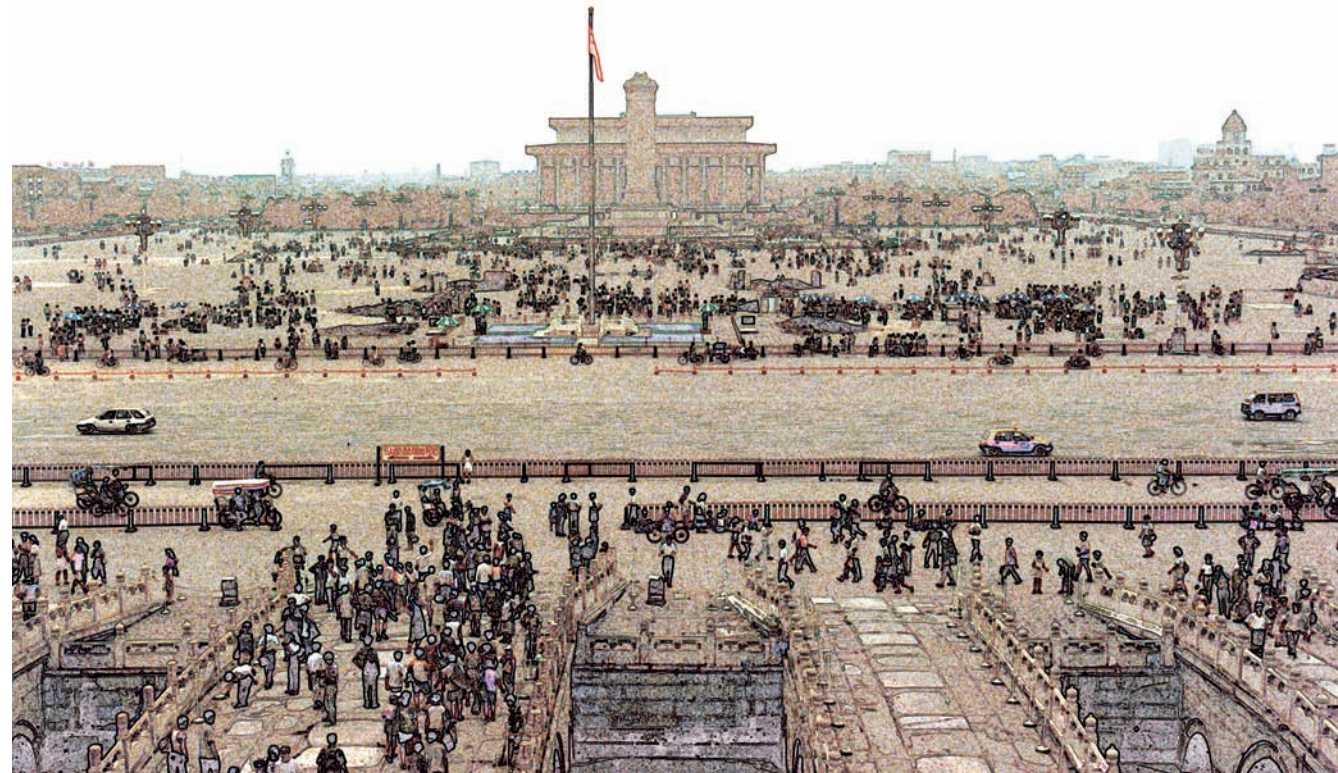


SANTA FE INSTITUTE 2008 COMPLEX SYSTEMS SUMMER SCHOOLS

in cooperation with The Institute for Theoretical Physics at the Chinese Academy of Sciences



- TOOLS and FOUNDATIONAL CONCEPTS
- NETWORK STRUCTURE and DYNAMICS
 - INFORMATION PROCESSING
- COMPLEX ECOLOGICAL SYSTEMS
 - NETWORKS and ROBUSTNESS
- GENE REGULATORY NETWORKS
- COMPLEXITY and SOCIAL SYSTEMS



SANTA FE: June 1 - 28, 2008

at St. John's College in Santa Fe, New Mexico, USA. Directed by Dan Rockmore, Dartmouth College and Santa Fe Institute (SFI); administered by the Santa Fe Institute (SFI).

BEIJING: June 30 - July 25, 2008

in Beijing, China. Sponsored by SFI in cooperation with The Institute of Theoretical Physics at the Chinese Academy of Sciences (CAS). Dave Feldman, College of the Atlantic and Chen Xiao-song, The Institute for Theoretical Physics, CAS, are Co-directors.

AN INTENSIVE four-week introduction to complex behavior in mathematical, physical, living, and social systems for graduate students and postdoctoral fellows in the sciences and social sciences. The schools are for participants who want background and hands-on experience to help prepare them to do interdisciplinary research in areas related to complex systems.

Each school consists of a series of lectures, laboratories, and discussion sessions focusing on foundational ideas, tools, and current topics in complex systems research. These include

nonlinear dynamics and pattern formation, scaling theory, information theory and computation theory, adaptation and evolution, network structure and dynamics, adaptive computation techniques, computer modeling tools, and specific applications of these core topics to various disciplines. In addition, participants will formulate and carry out team projects related to topics covered in the school.

Applications are welcome from all countries. Participants are expected to attend either the Santa Fe or the Beijing school for the full four weeks. All activities will be conducted in

English at both schools. No tuition is charged, and some support for housing and travel expenses is available. (See our website for details for each school.) Enrollment is limited. Women, minorities, and students from developing countries are especially encouraged to apply.

Housing at both schools is in dormitory rooms, some with shared bathrooms. Telephone and computer network connectors are available. Travel/housing support for accompanying families is not available.

Partial funding for the schools is provided by the U.S. National Sciences Foundation, the National Science Foundation of China, and the Chinese Academy of Sciences.

TO APPLY

Applications are welcomed from graduate students and postdoctoral fellows in any discipline. A background in science and mathematics is required, as well as English language proficiency; see our website for specific requirements for each school. You may apply to either the Santa Fe or Beijing school, regardless of home country; however, placements may be influenced by restrictions in U.S. foreign visitor policies.

SEE OUR WEBSITE AT

<http://www.santafe.edu/csss08.html>

for complete eligibility requirements and application instructions. We strongly encourage you to apply online in order to expedite your application. All application materials must be electronically submitted or received at SFI no later than **January 7, 2008**.

FOR FURTHER INFORMATION, SEE

<http://www.santafe.edu/csss08.html>,
or e-mail summerschool@santafe.edu.