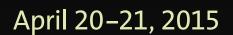
## Interdisciplinary CAS Spring Symposium

**Showcasing Research of CAS Associates and Fellows** 



At the intellectual heart of the University lies the Center for Advanced Study, bringing together scholars from diverse disciplines and backgrounds, encouraging and rewarding excellence in all areas of academic inquiry.

CAS appointments are among the highest forms of campus recognition. CAS Professors, permanent members of the Center are joined each year by Associates and Fellows, tenured and untenured University of Illinois faculty who are awarded one semester release time to pursue their projects. In accordance with the Center's mission, these appointments provide an incentive to pursue the highest level of scholarly achievement. They also provide faculty members with an unusual opportunity to explore new ideas and demonstrate early results.

Join recent CAS Associates and Fellows at this inaugural symposium as they present work made possible through these appointments.

> Knight Auditorium, Spurlock Museum 600 South Gregory, Urbana University of Illinois at Urbana-Champaign

## Monday, April 20

8:00 am Continental Breakfast

**INTRODUCTORY REMARKS** 

Peter Schiffer, Vice Chancellor for Research

**DIRECTORS PANEL ON INTERDISCIPLINARY** 8:40 am

> RESEARCH AT ILLINOIS: Tamer Başar, CAS Director (Moderator), with Dianne Harris (IPRH), Art Kramer

(Beckman Institute), Gene Robinson (IGB),

Edward Seidel (NCSA)

10:50 am SESSION ONE: David Ceperley, CAS Professor (Chair)

Wendy Cho (Political Science), An Extreme-Scale Computational Approach to Redistricting Optimization Charles Schroeder (Chemical and Biomolecular Engineering), New Frontiers in Single Polymer Dynamics **Robert Brunner** (Astronomy), *Statistical and Machine* 

Learning for Petascale Astronomy

1:40 pm SESSION TWO: Maria Todorova, CAS Professor (Chair)

Harry Liebersohn (History), The Globalization of Music Antonios Augoustakis (Classics), Death, Burial, and

Ritual in Latin Literature

Matthew Winters (Political Science), The Effects of Branded Foreign Aid: Evidence from Bangladesh

3:30 pm SESSION THREE: Laura Greene, CAS Professor (Chair)

**Soon-Jo Chung** (Aerospace Engineering), *Control and* Sensing Strategies for Robotic Falcons to Prevent Airport

Martin Ostoja-Starzewski (Mechanical Science and Engineering), Continuum Mechanics Beyond the Second

Law of Thermodynamics

Karin Dahmen (Physics), Crackling Noise: From

Nanopillars to Earthquakes

Reception to follow

## Tuesday, April 21

8:00 am Continental Breakfast

8:30 am WELCOMING REMARKS: Tamer Başar, CAS Director

8:40 am SESSION FOUR: Nigel Goldenfeld,

CAS Professor (Chair)

Catherine Prendergast (English), Writer, Painter, Banker, Thief: The American Arts Colony in the Public Account Yi Lu (Electrical and Computer Engineering), To Wait or

not to Wait: The Power of Scheduling

10:00 am SESSION FIVE: Nigel Goldenfeld,

CAS Professor (Chair)

Philip Godfrey (Computer Science), Networking at the Speed of Light

Yi Lu (Chemistry), Functional DNA Nanotechnology and its Applications in Environmental Monitoring, Food

Safety, Medical Diagnostics and Imaging

Mara Wade (Germanic Languages and Literatures), Emblems and Early Modern Intellectual Networks

11:30 am Closing of Symposium

Free and open to the public. cas.illinois.edu

