

Approved by the Board of Trustees  
July 23, 2020

Board Meeting  
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## APPOINT PROFESSORS, CENTER FOR ADVANCED STUDY, URBANA

**Action:** Appoint Professors, Center for Advanced Study

**Funding:** State Appropriated Funds

The Chancellor, University of Illinois at Urbana-Champaign, and Vice President, University of Illinois with the recommendation of the Vice Chancellor for Academic Affairs in consultation with the Professors in the Center, recommends the following faculty members for appointment as Professors\* in the Center for Advanced Study, and offers brief descriptions of their current research:

### **Sharon Donovan, Food Science and Human Nutrition**

Professor Donovan conducts basic and translational research in the area of pediatric nutrition. Her on-going work is focused on optimizing intestinal and cognitive development of neonates, development of the gut microbiome, and prevention of childhood obesity and picky eating in children.

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\* Professors in the Center for Advanced Study (CAS) are permanent members of the CAS community, chosen for their outstanding scholarship. Appointment to a professorship in the CAS is one of the highest academic recognitions that the campus can bestow upon a member of its faculty. CAS Professors continue to serve as full members of their home departments.

Concurrently, the Professors in the Center are: James Anderson, Renée L. Baillargeon, Tamer Başar, May R. Berenbaum, Antoinette Burton, David M. Ceperley, Leon Dash, Gary Dell, Matthew W. Finkin, Eduardo Fradkin, Martha U. Gillette, Nigel Goldenfeld, Martin Gruebele, Bruce Hajek, Stephen Long, Michael S. Moore, Catherine Murphy, Tere O'Connor, Gene E. Robinson, Jay Rosenstein, Jonathan Sweedler, Maria Todorova, Lou van den Dries, and Dale J. Van Harlingen.

**Jeffrey S. Moore, Chemistry and Materials Science and Engineering**

Professor Moore's research integrates ideas from physical organic chemistry and engineering with molecular design and polymer synthesis to construct new functional materials. Specific examples include materials that heal themselves, warn of high stress, or repair electrical circuits.

**Harriet Murav, Slavic Languages and Literatures**

Professor Murav's new book project, *Archive of Violence: The Literature of Abandonment and the Russian Civil War*, uses the conceptual lens of abandonment to examine selected artistic and archival witness texts in Russian, Yiddish, and Ukrainian in response to the extraordinary violence of the time.

**Cynthia Oliver, Dance**

Professor Oliver's scholarly writing focuses on the politics of the dance scene in the U.S., on relations between dance and other contemporary art movements, and the lives of black women in the Caribbean. Her most recent choreographic project resulted in *Virago-Man Dem* which premiered at the Brooklyn Academy of Music (BAM).

**Donald R. Ort, Plant Biology**

Professor Ort's research seeks to understand and improve plant growth and photosynthetic performance in changing environmental conditions such as increasing CO<sub>2</sub> temperature and drought. His research ranges from improving photosynthetic efficiency to the molecular and biochemical basis of environmental interactions with crop plants to ecological genomics.

**Gary Parker, Civil and Environmental Engineering and Geology**

Among Professor Parker's research activities is the use of fundamental techniques of fluid mechanics and applied mathematics to treat interesting geomorphological problems. Related special research includes mechanics of river meandering; oceanic turbidity currents; sorting of mixed grain sediment by fluvial processes; bank erosion and protection using permeable dikes and vegetation; and reservoir sedimentation.

**Nancy Sottos, Materials Science and Engineering**

Professor Sottos' research involves the study of the mechanics of complex, heterogeneous materials such as self-healing polymers, advanced composites, and thin film microelectronic devices, specializing in micro and nanoscale characterization of deformation and failure in these material systems.

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes*, *The*

*General Rules Concerning University Organization and Procedure*, and Board of Trustees policies and directives.

The Executive Vice President and Vice President for Academic Affairs concurs.

The President of the University recommends approval.