



Newsletter for Science Chairs

tips and news of interest to FAS Science Chairs, from the Office of the Provost

FALL SEMESTER SPOTLIGHT

STEVEN GIRVIN



Following the departure of Kim Bottomly to assume the Presidency of Wellesley College, Steven Girvin, the Eugene Higgins Professor of Physics and Applied Physics, has been named as the new Deputy Provost for Science and Technology. Steve will share responsibility for the FAS departments in the natural sciences and the departments of Anthropology, Psychology, Statistics, and Linguistics, the School of Forestry and Environmental Studies, the Peabody Museum, and the Yale Institute for Biospheric Studies, as well as several administrative units that contribute directly to activities in the sciences. In addition, he will be an important part of the planning team involving the integration of the new West Campus into the scientific enterprise of the University. Steve joined the Yale Faculty in 2001, and his research focuses on theoretical studies of collective quantum behavior in many particle systems. Since coming to Yale, he has also been interested in quantum optics and quantum computation. A member of the Royal Swedish Academy of Sciences and the National Academy of Sciences, he was awarded the Buckley Prize of the American Physical Society in 2007. At Yale, he is a fellow of Morse College and previously served as director of graduate studies in physics and as an associate director of the Yale Institute for Nanoscience and Quantum Engineering.

NEW DEPUTY PROVOST FOR FACULTY DEVELOPMENT



Judith Chevalier, the William S. Beinecke Professor of Finance and Economics, has been named to the new post of deputy provost for faculty development. Continuing the faculty development initiatives initiated by Kim Bottomly, Judy will work with deans and other deputy and associate provosts on developing new programs and policies focused on increasing faculty diversity and the retention of women and underrepresented minorities in the sciences, and establishing career development for all faculty. Chevalier, a 1989 graduate of Yale College, was previously an assistant professor at Harvard University and a professor at the University of Chicago Graduate School of Business. Her research is in the areas of both finance and industrial organization. Chevalier is an elected member of the executive committee of the American Economic Association, a former co-editor of the American Economic Review and a former board member of the Committee on the Status of Women in the Economic Profession. A member of the American Academy of Arts and Sciences, she won the first biennial Elaine Bennett Prize given by the American Economic Association in 1999. At Yale, she is a member of the council of the Women Faculty Forum, a fellow of Davenport College and a member of the executive committee for the MacMillan Center.

WEST CAMPUS, BY THE NUMBERS

Yale's acquisition of the former Bayer Healthcare complex, (now the "West Campus") in West Haven was recently made official with the close on the property in late September. The University is currently developing plans for how to best use these facilities; however, no space or equipment has yet been allocated to faculty, departments or schools. Some statistics for the property are as follows:

- Total area: **136 acres** # of Buildings: **17**
- Research lab space: **550,000 ft²** Office space: **275,000 ft²**
- Manufacturing/Warehouse space: **600,000 ft²**

BEST PRACTICES TIPS

- #10-12 From the "23 Best Practices for Chairs" list:*
10. Establish a mentoring plan for new faculty, including departmental expectations and timeline.
 11. Schedule a regular meeting with each untenured faculty member at least once per year to review progress.

IMAGE OF THE MONTH

Aerial view of the "West Campus". Interstate 95 is just off the top of the image. The site is divided into 3 sections:
A: Office buildings/wetlands/parking
B: Science buildings
C: Warehouse/manufacturing bldgs.



UPDATES ON SCIENCE CORES

The updated **FAS High Performance Computing Core** will allow provide new HPC nodes for those in the physical sciences, complementing those already available to researchers in the life sciences through the existing KECK facility. An Advisory Committee has been formed, which will meet later this month to discuss:

- ◆ Acquisition of replacement nodes for existing clusters
- ◆ Position descriptions for new staff to assist with the interface between faculty and computers
- ◆ Preparation of a grant application to fund additional nodes
- ◆ Recommendations for day-to-day operations of the core

The **Science Research Software Core** will provide specialized software and support for research in the physical sciences, initially in Applied Physics, Computer Science, Chemistry and Physics. The core will be physically located in Sterling Chemistry Laboratory, and an advisory committee is currently meeting to finalize the software packages that will be available to faculty once the facility opens.

A new **Electronic Instrumentation Development Center** is currently in the planning stages, and will support the development of custom electronic instrumentation used in scientific research at Yale. The primary mission of the EIDC will be to provide technical mentorship to graduate students, postdocs, faculty, and undergrads, in circuit design, instrument construction and instrument testing and debugging. The Center will be located in Gibbs Laboratories, and interviews are currently being conducted for the EIDC Lead Engineer, who will staff the new facility.

After an \$8,000,000 renovation, the **Becton Clean Room** will be back online in the coming days. The opening event/celebration is scheduled for October 30th at 2 PM in the Becton Engineering and Applied Science Center. For additional information, contact Jean.Edmunds@yale.edu.

NEW COORDINATOR OF COMMUNITY PROGRAMS IN SCIENCE



Yale has strengthened its commitment to science outreach by appointing researcher Joanna E. Price to the newly created position of coordinator for community programs in science. Price will lead Yale's effort to develop coordinated and comprehensive science education and enrichment activities throughout the Greater New Haven community in collaboration with Yale faculty, staff and students.

In addition to the worthy goal of strengthening the ties of Yale's scientists to the local community, this effort will be of particular benefit to those faculty applying for grants requiring an outreach component (e.g. NSF CAREER Awards). Joanna will assist in fulfilling this requirement by working with faculty members to identify what type of outreach would work well with the proposed research; connect scientists to existing Yale programs and help develop new ones as needed; write and budget outreach plans; obtain letters of support for projects; coordinate plans and recruit program participants; and serve as a liaison to the New Haven public schools. She will also help faculty identify potential partners within the University, as well as in the public schools, library branches and community organizations. Faculty are encouraged to contact Joanna at 436-4677 or joanna.price@yale.edu for this assistance as they prepare their proposals.

Price came to Yale in 1999 after receiving her doctorate at the University of Sheffield. As a postdoctoral associate, she studied stem cell plasticity in the laboratory of Dr. Diane Krause, professor of laboratory medicine and pathology. In her new position, Price is based in the Office of New Haven and State Affairs, which partners with the City of New Haven to promote economic and human development. She looks forward to working with the faculty in your department to facilitate their participation in outreach efforts in our local communities. For more information, please see http://info.med.yale.edu/ysm/ysminfo/top_story/2007/10/22102007.html.

NEW CHAIRS IN FOUR DEPARTMENTS

During this academic year four new department chairs have assumed their duties in the FAS science and technology departments, and we wish to thank the following outgoing chairs for all of their hard work and leadership during their recent service in this challenging position:



Ma



Casson



Goldstein



Shankar

T.P. Ma, Electrical Engineering
Andrew Casson, Mathematics
Louis Goldstein, Linguistics
Ramamurti Shankar, Physics

We also wish to welcome their successors into their new leadership roles:



Morse



Kapranov



Anderson



Urry

Stephen Morse, Electrical Engineering
Mikhail Kapranov, Mathematics
Stephen Anderson, Linguistics
Megan Urry, Physics

Questions or comments? Email robert.burger@yale.edu or call 203-432-4448

Division of Science and Technology, Office of the Deputy Provost for Science, Technology and Faculty Development