

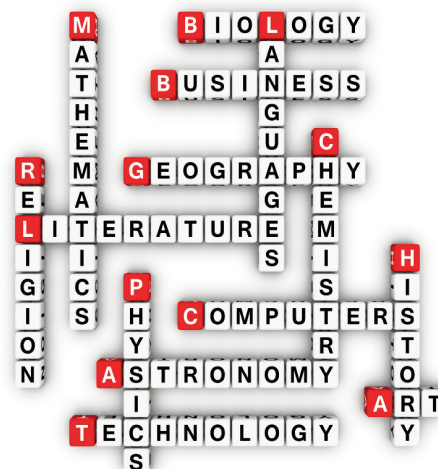
A SCIENTIST'S AND SCULPTOR'S REFLECTIONS ON CREATIVITY

SPEAKERS ROBERT B. MARCUS

Bell Laboratories, Bellcore, NJIT

JAMES C. PHILLIPS

Department of Physics and Astronomy, Rutgers University



WEDNESDAY, SEPTEMBER 21 2:30 – 4:00 P.M.
CAMPUS CENTER BALLROOM

The creative confluence of science and art will be the focus of the first in the fall 2011 Technology and Society Forum presentations when Robert B. Marcus and James C. Phillips jointly share their views on September 21. Each has had a long and notable career in the sciences, with Marcus wearing the additional hat of a sculptor.

A pioneer in nanotechnology research at Bell Laboratories and Bellcore, Marcus was a research professor at NJIT from 1992-1997 and president of two nanotechnology start-ups in the late 1990s. Now retired, he continues to create sculptures, mostly in bronze, as he has done for 30 years. At 12:30 in Eberhardt Hall, preceding the Forum presentation, there will be a dedication of Marcus' bronze interpretation of a Klein bottle, a sculpture he has donated to NJIT. Such work embodies the convergent influences that have shaped his approach to both science and art.

Phillips is a distinguished condensed matter physicist and materials scientist whose work has taken him to Bell Labs and a number of universities, including the University of California, Cambridge University and the University of Chicago. He has been a visiting professor at Rutgers University since 2001. In his estimation, the computer revolution has put massive amounts of data at the disposal of researchers, ushering in an era of "big data" that offers opportunities for creatively solving problems that would have been "impossible" for theorists to envision just two decades ago. In discussing "six impossible things," he will touch on research challenges that span physics, biochemistry, economics and other fields.

For More Information: Contact Jay Kappraff, kappraff@adm.njit.edu or 973-596-3490

Co-sponsors: NJIT Technology and Society Forum Committee, Albert Dorman Honors College, Department of Physics, Sigma Xi.

NJIT welcomes attendees from Essex County College, Rutgers-Newark, and the University of Medicine and Dentistry of New Jersey.

Visit the NJIT Technology and Society Forum on the Web at <http://tsf.njit.edu>.

Previous Forum presentations are available at <http://itunes.njit.edu>; search for "Technology and Society Forum."

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October 19 UNDERSTANDING THE BENEFITS AND RISKS OF ATOMIC POWER