

APRIL 12 SPEAKERS

Leon Cooper  
Brown University –  
Nobel laureate

Wolfgang Ketterle  
MIT – Nobel laureate

Anthony Leggett  
University of Illinois –  
Nobel laureate

Alexis Malozemoff  
chief technical officer,  
American Super-  
conductor

Frank Wilczek  
MIT – Nobel laureate

APRIL 13 SPEAKERS

Eugene Demler  
Harvard University

Matthew Fisher  
University of California  
– Santa Barbara

Alex Kitaev  
Caltech

Sean Ling  
Brown University

Brad Marston  
Brown University

R.J. Schoelkopf  
Yale University

J.S. Tsai  
NEC

Gang Xiao  
Brown University



BROWN



In 1957 three American physicists – John Bardeen, Leon Cooper, and Robert Schrieffer – advanced their theory of superconductivity. Known universally as the BCS Theory, this work, in addition to explaining the phenomena of superconductivity, has had profound implications for nearly every field of physics. In 1972 the three scientists were awarded the Nobel Prize in Physics for their achievement.

# THE BCS THEORY OF SUPERCONDUCTIVITY

50  
YEARS

PRESENTED BY THE BROWN UNIVERSITY DEPARTMENT OF PHYSICS

A SCIENTIFIC SYMPOSIUM

April 12–13, 2007  
Brown University  
Providence, Rhode Island

Support from the Charles K. Colver Lectureship and  
Publication Fund and the Office of the President,  
Brown University

For complete schedule information  
and updates, and to register, go to  
[physics.brown.edu/50YearsBCS](http://physics.brown.edu/50YearsBCS)  
or contact Mary Ann Rotondo,  
conference coordinator, at [maryann@het.brown.edu](mailto:maryann@het.brown.edu), 401 863-1473