

NOBELIST DANIEL TSUI TO SPEAK OCTOBER 25 & 26 AT UMD



- **Prange Prize Lecture**

More Is Indeed Different: An Example from Electron Physics in Semiconductors
October 25, 2011
1412 Physics - 4:00PM

- **CMTC Distinguished Lecture**

Closure on Two Long-Standing 2D Electron Physics Problems
October 26, 2011
1201 Physics - 11:00 AM

For more information, please visit:
www.umdphysics.umd.edu

Nobel Laureate Daniel C. Tsui, whose experimental work led to the discovery of the fractional quantum Hall effect in semiconductors, has been named the 2011 recipient of the Richard E. Prange Prize and Lectureship in Condensed Matter Theory and Related Areas. His public lecture, titled "More Is Indeed Different: An Example from Electron Physics in Semiconductors," will give an overview of the fractional quantum Hall effect in semiconductors, which is an emergent property of macroscopic matter similar to superconductivity or magnetism. The phenomenon has profoundly affected the theoretical understanding of how nature organizes large collections of interacting electrons, giving birth to the subject of "topological condensed matter physics."

Additionally, Tsui will give a technical CMTC Distinguished Lecture, titled "Closure on Two Long-Standing 2D Electron Physics Problems," on October 26.

The Prange Prize, established by the UMD Department of Physics and the Condensed Matter Theory Center, honors the late Professor Richard Prange, whose distinguished career at Maryland spanned for decades (1961 - 2000). It is made possible through the generosity of Dr. Prange's wife, Dr. Madeleine Joullié of the University of Pennsylvania.

