

Navy award goes to two UCSD researchers

April 13, 1995

Media Contact: Warren R. Froelich, (619) 534-8564

Two researchers from the University of California, San Diego have been chosen as Office of Naval Research Young Investigators.

They are Edward T. Yu, an assistant professor of electrical and computer engineering; and Piote J. Flatau, an assistant research meteorologist at the California Space Institute located at UCSD's Scripps Institution of Oceanography.

Much of Yu's research is focused around the construction of novel semiconductor materials and scanning tunnel microscopy (STM), an experimental technique developed about 10 years ago in IBM's Zurich laboratory.

"This technique allows you to look at materials or molecules with extremely high spatial resolution," Yu said. "One thing it allows you to do is to look at new types of semiconductor materials."

"You can look at the detailed arrangement of atoms in an alloy or the detailed arrangement of atoms at an interface between two different semiconductors."

Flatau, a graduate of the University of Warsaw, Poland and Colorado State University, is investigating the physics of clouds to, among other things, determine their relevance and impact on climate.

The Young Investigator Program, according to the navy, is designed to attract young scientists and engineers who show exceptional promise for creative research and teaching.

Yu and Flatau were among 33 selected for the program from among 409 who applied.

(April 13, 1995)