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UCSD physics professors recognized by American Physical Society

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Media Contact: Mario Aguilera, (619) 534-7572, mcaguilera@ucsd.edu

UCSD PHYSICS PROFESSORS RECOGNIZED BY AMERICAN PHYSICAL SOCIETY

The American Physical Society (APS) has honored one physics professor from the University of California, San Diego with Fellowship status and four others with celebrated speaking invitations.

Frances Hellman, an associate physics professor who joined UCSD in 1987, was elected to Fellowship status through APS's Division of Materials Physics. Hellman's research concerns the properties of new solid materials, especially in thin-film form. She probes the physics of these materials with measurements such as specific heat, magnetic susceptibility and electrical resistivity over a wide temperature range. Fellowship in APS is limited to one half of one percent of membership.

Hellman received a doctoral degree in applied physics from Stanford University in 1985. Prior to joining UCSD, she was a post-doctoral member of the technical staff at AT&T Bell Laboratories.

Four of Hellman's fellow faculty members in the UCSD physics department, George Fuller, M. Brian Maple, Thomas O'Neil and Ivan Schuller, have accepted invitations to become APS Centennial Speakers, a group of 200 lecturers who will give general physics lectures at colleges and universities throughout the United States. Centennial lectures will be broader than typical physics discussions to give undergraduates and first-year graduate students a sense of physics accomplishments in the 20th Century. The lectures will take place during the 1998-1999 academic year in commemoration of APS's 100th anniversary.

During the Centennial lectures, Fuller will discuss "The mysterious neutrinos and astrophysics," while Maple will offer two lectures, "High temperature superconductors: Fundamental science and technological applications" and "Interplay between superconductivity and magnetism in f-electron materials." O'Neil's lecture will cover "Non-neutral plasmas, liquids and crystals," while Schuller will present "Microstructures: A voyage from three to zero dimensions" and "Physics: What has it done for you!"

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