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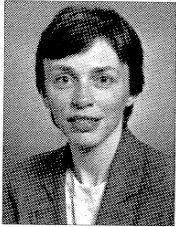
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FACULTY NEWS

Razeghi, Faber recognized for achievement



Manijeh Razeghi



Katherine Faber

Two faculty members at the Robert R. McCormick School of Engineering and Applied Science — Manijeh Razeghi and Katherine Faber — have been cited by the Society of Women Engineers for outstanding achievements.

Razeghi, the Walter P. Murphy Professor of Electrical Engineering and Computer Science and director of the Center for Quantum Devices, received the 1995 Achievement Award, the highest award given by the society. The award, presented annually to a woman who has made an outstanding contribution in the field of engineering, cited Razeghi for leadership and contributions to optoelectronic devices research and education.

Faber, professor of materials science and engineering and associate dean for graduate studies and research, received the 1995 Distinguished Engineering Educator Award. The award is presented to a woman who, as a full-time or emerita engineering educator, has demon-

strated excellence in teaching and the ability to inspire students to high levels of accomplishment, has shown evidence of scholarship through contributions to research and has made significant contributions to the engineering profession.

Razeghi directs 40 professional scientists and graduate students at the Center for Quantum Devices, which is responsible for development of technologies in optoelectronics. The center develops new quantum photonic and electronic devices such as lasers, photodetectors, modulators and transistors and assembles them in novel optoelectronic integrated circuits.

She initiated the design and implementation of new epitaxial growth techniques in the fields of metalorganic chemical vapor deposition (MOCVD) and metalorganic molecular beam epitaxy, and she has developed numerous semiconductor device structures used in many advanced photonic and electronic applications such as fiber optic communications. Nobel Prize Laureate of Physics Leo Esaki has described Razeghi as "the Queen of MOCVC."

Razeghi has been awarded 32 patents and is the author or co-author of more than 600 papers. She received the prestigious IBM Europe Science and Technology Prize in 1987 "for outstanding work in the production of material using metalorganic chemical vapor deposition techniques."