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Two engineering faculty members elected to NAE

Stephen Forrest, the James S. McDonnell Distinguished University Professor of Electrical Engineering in the Department of Electrical Engineering, and **Dudley Saville**, the Stephen C. Macaleer '63 Professor of Engineering and Applied Science in the Department of Chemical Engineering, are among 77 engineers chosen for membership in the National Academy of Engineering (NAE) at its annual elections.

"The election of these two outstanding professors highlights the distinction of our engineering faculty at Princeton," said Maria Klawe, dean of the School of Engineering and Applied Science. "Since our engineering school is relatively small, it is quite an achievement if just one of our faculty is elected in a particular year. To have two members of the faculty elected into this elite body in one year is indicative of the high quality of our faculty. Each of them has contributed in innumerable ways to their respective scholarly fields, as well as to the successes of our teaching and research programs here in the SEAS."

Professor Forrest was elected for making "advances in optoelectronic devices, detectors for fiber optics, and efficient organic LEDs for displays."

He came to Princeton in 1992 from the University of Southern California, where he was a professor of electrical engineering and materials science and director of the national Center for

Integrated Photonics Technology. At Princeton, he was director of the Center for Photonics and Optoelectronic Materials from 1992 to 1997, when he was named chairman of the Department



Professor Stephen Forrest

of Electrical Engineering, a position he held until 2001.

His current topics of investigation are photonic materials and devices, organic and inorganic semiconductor growth, microwave photonics, optical interconnects, and optoelectronic integrated circuits. He earned his bachelor's degree in 1972 from the University of California at Berkeley; his master's degree in 1974, and his Ph.D. in 1979 from the University of Michigan at Ann Arbor.

Professor Saville was elected for "advancing our understanding of electrokinetic and electrohydrodynamic processes and their application to the assembly of colloidal arrays."



Professor Dudley Saville

He came to Princeton in 1968 as assistant professor of chemical engineering. He was promoted to associate professor in 1971 and to professor in 1977. Professor

Saville's current research interests are fluid dynamics and electrohydrodynamics and electrokinetic properties of suspensions. Professor Saville earned his bachelor's and master's degrees in 1954 and 1959, respectively, from the University of Nebraska and his Ph.D. in 1966 from the University of Michigan.

Membership in the NAE is one of the highest distinctions in the field of engineering. Membership is reserved for those who have made "important contributions to engineering theory and practice," and those who have demonstrated "unusual accomplishment in the pioneering of new and developing fields of technology."