National Academy of Engineering Elects Three UC Santa Barbara Professors

Three University of California, Santa Barbara professors have been elected members of the prestigious National Academy of Engineering.

Glenn H. Fredrickson, Sanjit K. Mitra, and Shuji Nakamura were among 77 new members and nine foreign associates elected in balloting by the academy's members, the results of which were announced in Washington on February 14.

All three professors serve on the faculty of the College of Engineering at UCSB, which now boasts 22 members of the National Academy of Engineering.

The academy is an independent, nonprofit institution that provides leadership and guidance to the nation on the application of engineering resources to vital problems and issues. Established in 1964, it operates under the Congressional charter granted to the National Academy of Sciences in 1863.

Election to the National Academy of Engineering is one of the highest professional distinctions that can be accorded an engineer. Academy membership honors those who have made "important contributions to engineering theory and practice" and those who have demonstrated unusual accomplishment in the pioneering of new fields of engineering, making major advancements in traditional fields of...
工程学，或开发或实施创新工程教育的方法。

 UCSB校长Henry T. Yang，他自己也是国家工程院的成员，称今年三位教师当选为国家工程院的成员为“一项惊人的成就，为我们的校园和社区带来了巨大的荣誉。”

 “我对此消息感到非常兴奋，这肯定了这三位学者在工程和研究领域做出的非凡贡献，”Yang说。“被同行业的同行选举为成员是对多年研究工作的辛勤工作和创造力的重要肯定。我为我的杰出同事们感到自豪，我知道我们的校园和社区都将为他们的成就而鼓掌。”

 Matthew Tirrell，工程学院院长和国家工程院院士说：“工程学院的教师非常优秀，我们在国家工程院中的人数可以证明这一点。

 “我为我们的新成员感到高兴。他们专业成就的确高人一等。”

 三位新当选的国家工程院院士都表达了当选的喜悦。

 Fredrickson，化学工程教授兼三菱化学先进材料中心主任，被国家工程院授予“对块共聚物和其他聚meric和复杂流体行为的理解的推进”。“我对当选感到非常荣幸，”Fredrickson说。“这对我在化学工程和软材料科学领域的研究和教学贡献是一个很好的认可。这是一个很好的惊喜，对我来说是一个重要的区别。
Mitra, a professor of electrical and computer engineering, has been on the UCSB faculty since 1977. He works mostly in the areas of analog and digital signal processing, with an emphasis on image and video processing.

He has had a long-term international collaboration with researchers from many countries. He was cited by the academy "for his contributions to signal and image processing, for research supervision, and for writing pioneering textbooks." Said Mitra: "I am honored and pleased. I owe this and other honors I have received to my former students and many colleagues from UCSB and other institutions with whom I had the opportunity to work."

Nakamura, a professor of materials, was elected as a Foreign Associate of the academy. He was cited for "contributions to optoelectronic engineering of gallium-nitride materials, culminating in the development of violet/blue lasers and light-emitting diodes."

Nakamura joined the UCSB faculty in February 2000 and is director of the Center for Solid State Lighting and Displays. He invented the first blue laser while working for Nichia Chemical Industries in his native Japan. He continues to work in the areas of blue lasers, gallium nitride, white light emitting diodes (LED), and solid state illumination. "I'm very pleased, very honored," said Nakamura. "I'm also very lucky to have come to UCSB. Santa Barbara is the best place for studying and for living."

Wm. A. Wulf, president of the National Academy of Engineering, said the recent election brought the organization's total U.S. membership to 2,138 and the number of foreign associates to 165.

About UC Santa Barbara

The University of California, Santa Barbara is a leading research institution that also provides a comprehensive liberal arts learning experience. Our academic community of faculty, students, and staff is characterized by a culture of interdisciplinary collaboration that is responsive to the needs of our multicultural and global society. All of this takes place within a living and learning environment like no other, as we draw inspiration from the beauty and resources of our extraordinary location at the edge of the Pacific Ocean.