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University of Dayton, Ohio (url: <http://www.udayton.edu/index.php>)



Among Nobel Prize Winners

10.01.2009 | Faculty, Engineering A world-renowned titanium expert and University of Dayton researcher is now among an elite group that includes 54 Nobel Prize winners.

University of Dayton materials engineering graduate program director Danny Eylon is now a fellow of the European Academy of Sciences. His work has led to the introduction of higher performance and more reliable titanium alloys for both civilian and military airframes and jet engines.

"This is a very prestigious honor, and one that is well-deserved," said Tony Saliba, dean of the University of Dayton School of Engineering. "Dr. Eylon's lifelong accomplishments are extensive and impressive. Through his exceptional talent and scientific expertise, his willingness to share his knowledge to develop the next generation of engineers, Dr. Eylon exemplifies the University of Dayton's world-class research and reputation for excellence in education and scholarship. He is an international collaborator whose dedicated work has advanced the aerospace and materials engineering field, provided important solutions to the engineering community and benefited the lives of people all over the world. Dr. Eylon is well-respected by his peers and we all share the pride in Danny and in his accomplishments."

The University of Dayton School of Engineering will honor Eylon with a reception from 2 to 4 p.m. Friday, Oct. 2, in Kettering Labs, room 505.

"Working on the development of better materials for aircraft has been one of the best adventures of my life," Eylon said. "The excitement of working on new materials and discovering new boundaries is just as exciting as any other adventure that one can think of. At the same time, I find it just as uplifting to try and uncover the secrets of ancient metalworkings, such as how sword blades were produced more than 3,000 years ago. The new scientific tools we have today in material science allow us to review such mysteries in a way that was not possible years ago and cast new light on the ingenuity of our fellow ancient metallurgists."

The European Academy of Sciences is a non-profit, non-governmental, independent organization of the most distinguished scholars and engineers performing cutting-edge research and developing advanced technologies, united by a commitment to promoting science and technology and their essential roles in fostering social and economic development. The Academy elects its members based only on their scientific merits.

Eylon recently became the only member from the United States on the eight-member scientific council of aerospace company Safran, one of France's largest companies. The board, chaired by Nobel laureate in physics George Chapak, oversees Safran's scientific partnerships.

Eylon, who has 50 patents for structural aerospace metals, is a fellow of the American Society for Materials and the Boeing Welliver Faculty Program. Eylon serves as a consultant to melters, producers and manufacturers of titanium alloys, titanium powders, jet engines, rocket engines, civilian and military airframes and medical implant and surgical devices in the United States, France, Japan, Germany, Italy and Sweden.

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