Award Recipient

Francis J. Doyle III elected to National Academy of Engineering

Congratulations to Frank Doyle, a CACHE Trustees, who has recently been elected for membership in the National Academy of Engineering (NAE).

The NAE has more than 2,000 peer-elected members and international members, senior professionals in business, academia, and government who are among the world's most accomplished engineers, according to the NAE web site. Election to the NAE is considered to be among the highest recognitions in engineering-related fields, and it often comes as a recognition of a lifetime's worth of accomplishments. Nomination for membership can only be done by a current member of the NAE for outstanding engineers with identifiable contributions or accomplishments.

Bio: Frank Doyle is the John A. Paulson Dean of the Paulson School of Engineering and Applied Sciences at Harvard University, where he also is the John A. & Elizabeth S. Armstrong Professor. Prior to that he was the Mellichamp Professor at UC Santa Barbara, where he was the Chair of the Department of Chemical Engineering, the Director of the UCSB/MIT/Caltech Institute for Collaborative Biotechnologies, and the Associate Dean for Research in the College of Engineering. He received a B.S.E. degree from Princeton, C.P.G.S. from Cambridge, and Ph.D. from Caltech, all in Chemical Engineering. He has also held faculty appointments at Purdue University and the University of Delaware, and held visiting positions at DuPont, Weyerhaeuser, and Stuttgart University. He has been recognized as a Fellow of multiple professional organizations including: IEEE, IFAC, AIMBE, AIChE and the AAAS. He was the President for the IEEE Control Systems Society in 2015 and was the Vice President and Chair of the Technical Board for the International Federation of Automatic Control from 2014 to 2017. In 2005, he was awarded the Computing in Chemical Engineering Award from the AIChE for his innovative work in systems biology, and in 2015 received the Control Engineering Practice Award from the American Automatic Control Council for his development of the artificial pancreas. In 2016, he was elected to the National Academy of Medicine for his work on biomedical control. That same work earned him induction to the National Academy of Inventors in 2020, and recognition from IFAC with their Industrial Achievement Award in 2020. In 2021 he was elected to the National Academy of Engineering for his work on natural biological control systems and innovative engineering of diabetes control devices. His research interests are in systems biology, network science, modeling and analysis of circadian rhythms, and drug delivery for diabetes. In his spare time, he enjoys hiking with his family, genealogical research, and is a certified soccer referee at the adult and collegiate level.

Francis J. Doyle III