

To: Patrick Wolfe, Provost and executive Vice President for Academic Affairs and Diversity

From: Arvind Raman, John A. Edwardson Dean of Engineering *Arvind Raman*

Date: 11/4/2024

Subject: Recommendation to name John Sutherland the Distinguished Professor of Environmental and Ecological Engineering

Prof. John Sutherland is internationally recognized for helping to establish the flourishing field of sustainable manufacturing. His work has helped to make environmental sustainability a well-recognized consideration in the design of products and manufacturing processes and systems, enabling several leading manufacturers to produce less material waste, consume less energy and resources, all while being more economically competitive.

His research has been funded by various governmental agencies and more than 30 manufacturing companies. He has PI or co-PI of nearly 100 externally funded projects with a total value of approximately \$60 million. He has published over 400 papers, books, and book chapters. His Google Scholar profile indicates more than 20,000 citations and an h-index of 64.

He has received numerous awards for his research excellence including becoming a member of the National Academy of Engineering (NAE) in 2023, receiving the Frederick George Pohland Medal from Association of Environmental Engineers and Science Professors (AEESP) and American Academy of Environmental Engineering and Science (AAEES) in 2022, and the Society of Manufacturing Engineers (SME) Gold Medal for recognizing contributions to the manufacturing literature in 2018. He is a Fellow of four professional societies, namely the American Association for the Advancement of Science (AAAS), CIRP – the International Academy for Production Engineering, American Society of Mechanical Engineers (ASME), and the Society of Manufacturing Engineers (SME). The external references and the ME Primary Committee strongly support Dr. Sutherland's appointment as a distinguished professor, and I agree with their recommendation.

I join the overwhelming majority of the Mechanical Engineering primary committee and all the ad-hoc Distinguished Professors committee in enthusiastically supporting this nomination.

Approval Recommended:

Approved:

Patrick J. Wolfe 1.8.25
Patrick J. Wolfe Date
Provost and Executive Vice President for
Academic Affairs and Diversity Miller
Family Professor of Statistics and
Computer Science

Mung Chiang 1.8.25
Mung Chiang Date
President
Roscoe H. George Distinguished
Professor of Electrical and Computer
Engineering