

To: Patrick Wolfe, Provost and Executive VP For Academic Affairs and Diversity

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

Date: April 16, 2025

Subject: Recommendation of Gregory Shaver for a Named Professorship,  
as the Reilly Professor of Mechanical Engineering

I am pleased to recommend Dr. Gregory Shaver for a Named Professorship, as the Reilly Professor of Mechanical Engineering. Dr. Shaver's case has received strong support from the Engineering Named Professorship Committee, largely for the critical role his research has played in engine systems.

Dr. Shaver's research focuses on clean, safe, and efficient commercial vehicles via advanced diesel, natural gas, hydrogen, ethanol and biodiesel engine systems / controls / electrification, powertrain electrification, and vehicle automation/connectivity. His research has enabled greater compression ignition (CI) engine efficiency and emissions control through variable valve actuation (VVA). His research on VVA was cited, and used, in June 2020 by the California Air Resources Board (CARB) as well as in Jan. 2020 by the EPA to develop new emission standards for heavy-duty engines. He has published more than 130 peer-reviewed journal and conference papers.

Dr. Shaver is a Fellow of SAE and ASME and a past University Faculty Scholar at Purdue. Among the external awards he has received are the SAE Max Benele Award for Engine Technology Innovation, SAE Ralph Teetor Educational Award, and the SAE John Johnson Best Paper Award for Outstanding Research in Diesel Engines.

In conclusion, the Engineering Named Professorship Committee voted unanimously to support Dr. Shaver's nomination for a named professorship. Therefore, I join the committee in strongly recommending Dr. Gregory Shaver for the named professorship of Reilly Professor of Mechanical Engineering.

**Approval Recommended:**

*Patrick J. Wolfe* 05/09/2025  
\_\_\_\_\_  
Patrick J. Wolfe Date

Provost and Executive Vice President  
for Academic Affairs and Diversity  
Miller Family Professor of Statistics and  
Computer Science

*Mung Chiang* 5.12.25  
\_\_\_\_\_  
Mung Chiang Date  
President  
Roscoe H. George Distinguished  
Professor of Electrical and Computer  
Engineering

Cc: Dave Bahr  
Brittany Vestal