

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: October 17, 2024

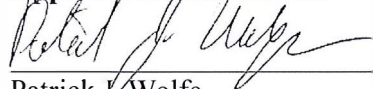
Subject: Recommendation of Jie Shan for a Named Professorship, as the Reilly Professor of Civil Engineering

I am pleased to recommend Dr. Jie Shan for a Named Professorship, as the Reilly Professor of Civil Engineering.

Dr. Shan's research focuses on advanced lidar imaging and 3D reconstruction, with significant contributions in flood mapping and disaster response. He is internationally recognized for his work in point cloud data analytics, playing a key role in developing automated 3D model reconstruction solutions from laser-scanned point clouds. This is a key area of growth in the "cyber" side of Civil and Engineering that intersects with Purdue Computes. Its also a hot area these days but with very few Universities that have leading experts in the area.

Dr. Shan has received several prestigious awards in recognition of his work, including the Fairchild Photogrammetric Award from ASPRS and the PECORA Award from NASA and the Department of the Interior. His outstanding scholarship is also evident in his editorial roles and advisory capacities in leading geospatial organizations, most recently as the Deputy Editor-in-Chief for the IEEE Transactions on Geoscience and Remote Sensing (TGRS), the premier journal of the IEEE Geoscience and Remote Sensing Society. In addition, Dr. Shan has been active in the International Society of Photogrammetry and Remote Sensing (ISPRS), serving as chair and co-chair of various working groups within the organization. The reference letters strongly positively reflect Dr. Shan's international visibility in this field and his publications in the best journals in the field. One reference letter writer questioned the recent magnitude of research funding, as did the 3 who voted No at the Area Named Professors Committee (5-3), and in the Civil Primary committee (7-3). However, the majority in both committees agreed on the fact that his scholarly contributions are strong and he is recognized internationally as a leader in the area. His most recent grant as PI from the US Army was also acknowledged.

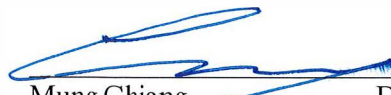
I join the majority of the Engineering Named Professorship Committee in recommending Dr. Shan for this Named Professorship.

Approval Recommended:

11/06/2024

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

Date



11.13.2024

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

Date

Cc: Luna Lu
Brittany Vestal
Rao S. Govindaraju