

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 Hector Gomez for a Named Professorship,
as the Morris Goldman Chair in Engineering

I am pleased to recommend Dr. Hector Gomez for a Named Professorship, as the Morris Goldman Chair in Engineering. Dr. Gomez's case has received strong support from The Engineering Named Professorship Committee, largely for the critical role his research has played in phase-field modeling.

Dr. Gomez's research focuses on phase-field modeling, a particular mathematical/computational description of systems with evolving interfaces. He has designed new algorithms based on ideas from computational geometry to study, e.g., liquid-vapor phase transitions, complex fluid and solid interactions, phase-change-driven implosion and elasto-capillarity phenomena in field from energy and thermodynamics to cancer treatment and drug delivery.

Dr. Gomez has received several prestigious awards in recognition of his work, including the Juan C. Simo Award from the Spanish Society of Computational Mechanics (SEMNI), the MIT Innovators Under 35 (Spain section), the Young Investigator Award from the Royal Academy of Engineering of Spain, the Gallagher Young Investigator Award from the US Association for Computational Mechanics and the Princess of Girona Scientific Research Award, presented by the King of Spain to the best young researcher in all fields of science, engineering and humanities. He has been internally recognized as a University Faculty Scholar since 2023.

In conclusion, the Engineering Named Professorship Committee voted unanimously to support Dr. Gomez's nomination for a named professorship. Therefore, I join the committee in strongly recommending Dr. Hector Gomez for the named professorship of Morris Goldman Chair in 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