



College of Science

Jean Chmielewski

Interim Dean of Science
AW Kramer Distinguished Professor
Department of Chemistry

To: Patrick Wolfe

From: Jean Chmielewski

Date: May 4, 2023

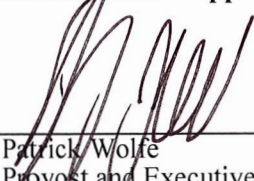
Subject: Nomination of Dr. Andrei Gabrielov for a Distinguished Professor in Mathematics

I forward to you the nomination of Dr. Andrei Gabrielov for consideration as a Distinguished Professor in Mathematics. Dr. Gabrielov's nomination has been endorsed by the Department, the College of Science's Area Promotion Committee and a university committee of distinguished professors. A report from the university committee is attached, along with the Form 36, both a full vita and biosketch plus letters from external referees.


In his career, Andrei Gabrielov has impacted a remarkably broad range of theoretical mathematics in a major way; in addition, his work in geophysics has proved most influential in that subject. While many of his discoveries, starting with his first paper written as a third year student at Moscow State University, attracted attention at the time when they were published, often it took the scientific community decades fully to understand their significance, and to recognize them as seminal. His mathematical work has been instrumental in the creation of new research directions and in their subsequent development. His work in geophysics resulted in new models of seismicity, improved prediction and understanding of earthquakes and—befitting a mathematical mind, more generally—of so-called extreme events in complex systems. As a result of these things, Dr. Gabrielov's work has been amply recognized by various honors: by an award of the Moscow Mathematical Society for outstanding junior researchers (1975), by a scholarship of the Japan Society for the Promotion of Science (2007), by his election to a Fellow of the American Mathematical Society (2016), and by the continued support between 1995 and 2020 as PI or CoPI by the NSF and other agencies, both in mathematics and in geophysics.

For the reasons cited above, and taking all due deliberations into consideration, I am delighted to endorse the nomination of Dr. Andrei Gabrielov as a Distinguished Professor in Mathematics.

Recommended Approval:


Patrick Wolfe
Provost and Executive Vice
President for Academic Affairs and
Diversity
Miller Family Professor of Statistics and
Computer Science
5/17/23
Date

Approved:


Mung Chiang
President
Roscoe H. George Distinguished Professor of
Electrical and Computer Engineering
5.17.23
Date