

Béla Szőkefalvi-Nagy Medal 2025

The Bolyai Institute of the University of Szeged is pleased to announce that the *Béla Szőkefalvi-Nagy Medal* for the year 2025 has been awarded to

CHI-KWONG LI

Ferguson Professor of Mathematics, The College of William & Mary,
Williamsburg, USA.



Professor Li is a leading researcher in several areas of linear algebra and functional analysis, most notably matrix analysis, combinatorial matrix theory, and operator theory. He has also made significant contributions to quantum information theory.

According to MathSciNet, Professor Li has published over 360 research papers, which have been cited more than 4,100 times (with Google Scholar listing nearly 9,000 citations). In theoretical mathematics, such numbers represent exceptional scientific recognition. His fifteen most highly cited papers (each with between 50 and 200 citations, according to MathSciNet) cover diverse topics, including numerical ranges, preserver problems, multivariable means, Perron–Frobenius theory, and the Hermitian and skew-Hermitian splitting method.

The breadth and depth of Professor Li's research, combined with his extensive service to the mathematical community and commitment to education, are truly outstanding. He earned his Ph.D. from the University of Hong Kong in 1986 and has since held academic positions in the United States, Canada, Taiwan, Hong Kong, China, and South Korea. Since 2014, he has been an affiliate member of the Institute for Quantum Computing at the University of Waterloo.

Professor Li has served in numerous editorial roles, including Editor-in-Chief of *Linear and Multilinear Algebra*, Founding Editor-in-Chief of *Operators and Matrices*, and currently Senior Editor of *Linear Algebra and its Applications*. Within the International Linear Algebra Society (ILAS), he served as Vice President (2007–2013) and is currently a member of the Board of Directors.

He has delivered countless colloquium and conference lectures and has organized numerous international conferences and workshops. His dedication

to mentoring is equally remarkable—he has supervised four Ph.D. dissertations and approximately seventy undergraduate research projects.

Professor Li has received numerous honors, prizes, and awards throughout his distinguished career. Most recently, he received the Hans Schneider Prize, the highest honor awarded by the International Linear Algebra Society.

In the past five years, Professor Li has published four original research papers in *Acta Scientiarum Mathematicarum* (Szeged), addressing topics such as numerical ranges, dilations, and unitarily invariant norms on operators.

The Béla Szőkefalvi-Nagy Medal was founded in memory of *Béla Szőkefalvi-Nagy*, who served as the Editor-in-Chief of *Acta Scientiarum Mathematicarum* from 1946 to 1981. The Medal, on which the engraving is made by the sculptor András Lapis, is awarded annually by the Bolyai Institute to honor a distinguished mathematician who has published significant, deep results in these *Acta*.