



For immediate release
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2025 Hall Medal awarded to Hong Liu

Hall Medals recognize **extensive quality research with substantial international impact** by Fellows of the ICA in mid-career.

Dr. Hong Liu has already made several breakthroughs in extremal graph theory, discrete geometry, and combinatorial number theory, including a resolution of the odd-cycle variant of the longstanding Paul Erdős–András Hajnal odd-cycle conjecture in 2023, as well as exact results on triangle-densities in graphs of given order and size, among other major contributions. He has published 70 papers mostly in high-ranking international journals. Beyond research, he has shown deep commitment to education by offering high-quality lecture courses – with publicly accessible lecture notes and recordings – thus significantly broadening access to advanced combinatorics for students and researchers worldwide. Additionally, he leads and develops an active international research community through his role as Chief Investigator of ECOPRO (Extremal Combinatorics and Probability Group) at Institute for Basic Science (IBS).

In view of his extensive quality research with substantial international impact, we believe that Hong Liu is highly qualified to receive the prestigious Hall Medal of the ICA.

The Institute of Combinatorics and its Applications is an international scholarly society that was founded in 1990 by Ralph Stanton; the ICA was established for the purpose of promoting the development of combinatorics and of encouraging publications and conferences in combinatorics and its applications.