

Recommendation Letter

Hong Kong Laureate Forum Selection Committee

Dear Members of the Committee,

It is a real pleasure to write in support of **Dr. Nurbek Kakharman** for participation in the Hong Kong Laureate Forum. I have had the chance to work closely with Nurbek as a co-author and colleague over the past seven years, and I can say without hesitation that he has the talent, drive, and curiosity that define future scientific leaders.

Nurbek's passion for mathematics emerged early on. As a high school student, he stood out in both national and international math olympiads—not just because of his technical skill, but because of the joy he clearly found in solving tough problems. That same spirit is very much alive in his current work as a postdoctoral researcher at the Institute of Mathematics and Mathematical Modeling in Almaty. His PhD research, carried out at Kazakh National University, tackled challenging questions in partial differential equations, focusing on degenerate hyperbolic equations and modified Cauchy problems with non-local boundary conditions. His work combines deep theoretical insights with an eye toward real-world applications—an increasingly rare blend.

During his year-long internship at the Centre de Recerca Matemàtica in Barcelona, we collaborated on a project involving integral transforms and their connection to modulus of continuity. What stood out to me most during that time was Nurbek's ability to make connections between seemingly unrelated ideas. That kind of creative thinking is exactly what interdisciplinary forums like this one are meant to encourage. He also adapted quickly to the new academic environment and built strong relationships with colleagues from different backgrounds—something that speaks to his openness and versatility.

Outside of academia, Nurbek is someone who brings people together. Whether on a football field, at the ping-pong table, or around a whiteboard, he is generous with his time and ideas, and always puts the team first. He is also a gifted communicator—able to break down complex concepts in a way that others can engage with, which makes him a natural mentor and a great representative for science.

Why Nurbek Would Be a Great Fit for the Forum

- **Global Perspective:** He is built meaningful connections across mathematical communities, from Almaty to Barcelona.
- **Interdisciplinary Thinking:** His work on non-local boundary conditions has potential impact in fields like physics and engineering.

- **Inspirational Journey:** From olympiad standout to active researcher, his path is one that younger scientists will find motivating.

Nurbek is not only a talented mathematician but also someone who is curious, collaborative, and unafraid to explore new ideas. I am confident that he would be a valuable contributor to the Forum and would return with new insights and a stronger global network—benefitting both himself and the broader scientific community in Kazakhstan.

Warm regards,



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