

# Much ado about nothing: The real potential concerning black hole breakthrough

*"I am not afraid to be a pioneer. When a door is ajar, you need to open it fully. And once you are in that room, you need to see what other doors there might be and where they might lead."* – Gurinder Chadha

Pioneers teach us to think outside the box. They are driven by "What if?" curiosity, often sparked by puzzles, ideas that do not make sense to the "untrained" mind.

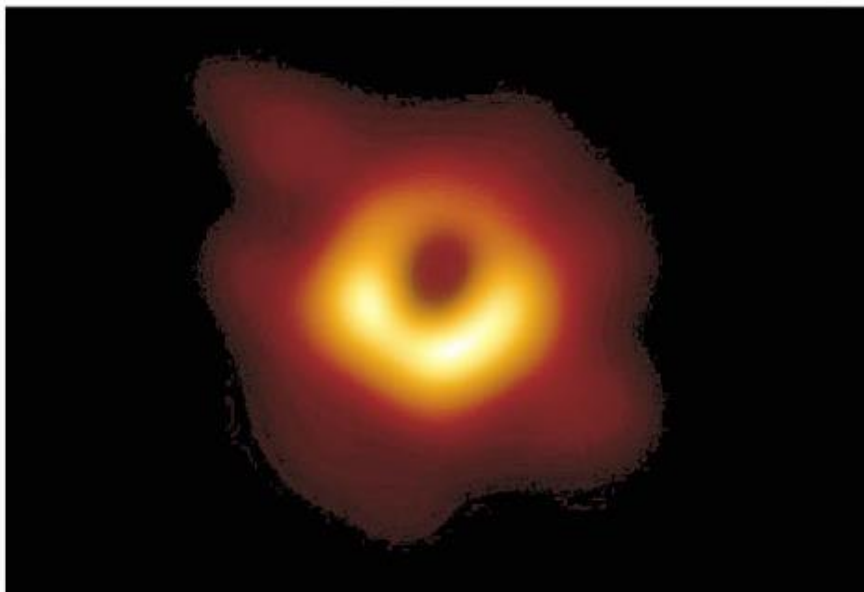
Such was the case for 10-year-old Nassim Hameini, growing up in Montreal, the son of an Iranian father and an Italian mother. For young Nassim, the catalyst came in Geometry class. The teacher put a dot on the board and said: "That's dimension zero – it doesn't exist." Then, he put a few



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dots on the board and said, "That's the first dimension. It doesn't exist." Then he drew four lines, and created a plane and said, "That's the second dimension. It does exist." Finally, he created a box with six planes and said: "That's the third dimension, which encloses a volume that makes up reality."



Event Horizon Telescope Collaboration/Maunakea Observatories via AP

This false-color image released April 10 by the Event Horizon Telescope shows a black hole at the center of the Messier 87 galaxy. Scientists revealed the first image ever made of the mysterious stellar phenomenon after assembling data gathered by a network of radio telescopes around the Earth. It is located about 53 million light years away.