



Online Mode

National Science Day Week

21-28

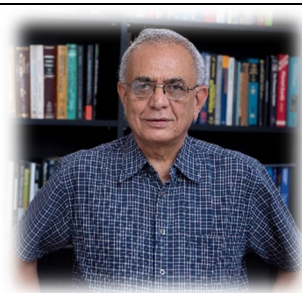
**Feb
2022**

Public Talks of the Day



National Science Day

28 February 2022 – Monday

Time	5 PM - 6 PM; 28 February 2022	
Title	The bending of light and the first Black Hole image	
Speaker	Prof. Ajit Kembhavi	
Abstract	Albert Einstein predicted in his General Theory of Relativity that light rays bend from a straight path in a gravitational field. The bending was first observed by Arthur Eddington in 1919 as a very tiny effect. Subsequently the bending has become a very important tool for astronomers through its manifestation as gravitational lensing. Recently the extreme bending produced by supermassive black holes has been used to produce the first ever image of a supermassive black hole. These matters will be discussed in this talk, in a manner accessible to a general audience.	
About the Speaker	<ul style="list-style-type: none"> • Professor Emeritus and former Raja Ramanna Fellow at the Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune. • Former Director, IUCAA, Pune. • Former member, Space Commission of India. 	

Time	3.30 PM – 4.30 PM; 28 February 2022	
Title	News from Black Holes	
Speaker	Dr Kazuyuki Furuuchi	
Abstract	Black Holes are massive objects that gravitate so strongly that even lights cannot escape from them. The talk will follow the historical developments of our understanding of Black Holes towards the latest developments. The emphasis will be on theoretical aspects, but recent breath-taking astrophysical observations regarding Black Holes will also be touched upon.	
About the Speaker	<ul style="list-style-type: none"> • Associate Professor, MCNS, MAHE • Research Area: Cosmology and Astroparticle Physics. 	