



Pune Knowledge Cluster, CODATA - National Committee & The Indian National Science Academy  
Present

## Title: BIG DATA & THE SQUARE KILOMETER ARRAY (SKA) TELESCOPE

<b>Organized By</b>	Pune Knowledge Cluster (PKC)
<b>Date</b>	21 SEPT. 2021
<b>Time</b>	4.00 PM
<b>Abstract</b>	Astronomy is facing a tsunami of new data as a slew of new telescopes come online within this decade. Within these vast datasets, astronomers will search for rare objects (needles in the haystack) as well as trace statistical trends with samples of millions and even billions of celestial objects. The Square Kilometre Array is the largest radio telescope ever envisioned. It is now being built by an international consortium (which includes India) at two remote sites - one in Australia and another in South Africa. Prof. Yogesh Wadadekar will describe how astronomers and engineers are working together to understand and solve challenging problems in data acquisition, transport, processing, delivery and visualisation of exa byte scale datasets.
<b>Open to all</b>	It's public talk. Open to all
<b>Speaker</b>	PROF. YOGESH WADADEKAR National Centre for Radio Astrophysics - Tata Institute of Fundamental Research, Pune, India

### Profiles of Speaker




#### Brief information about the speaker

Dr Yogesh completed PhD in Physics at IUCAA, the Inter University Centre for Astronomy and Astrophysics, located on a scenic campus in the University of Pune. From July 2001 to December 2002, He was a postdoctoral fellow at the Institut d'Astrophysique de Paris in Paris, France. From 2003 to June 2006, He was a postdoc at the Space Telescope Science Institute in Baltimore, USA. From July 2006 to October 2007, He was the astronomical software scientist for the Sloan Digital Sky Survey at Princeton University. In October 2007, He joined the National Centre for Radio Astrophysics in Pune as a faculty member.



## About the Organizer

	<p><b>The Pune Knowledge Cluster (PKC)</b> has been established by the Office of the Principal Scientific Adviser to the Government of India. It aims to bring together academia, R&amp;D institutions, and the industry of Pune and its surrounding areas, to address the challenging problems of the region through innovative means, using scientific knowledge and engaging highly skilled human resources.</p> <p>PKC is administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA). In the initial phase, PKC would focus on Health, Sustainability and Environment, Sustainable Mobility, BIG Data and AI and Capacity Building</p> <p>For more information, visit: <a href="https://www.pkc.org.in/">https://www.pkc.org.in/</a></p>
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