

InRaSS Colloquium Series

5th Talk (10th September, 2023 18:00 – 19:00 IST)



Webinar on:

Early History of Radio Research in India

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Radio research in India began nearly simultaneously with the advent of wireless telegraphy in Europe during the 1890s. Sir J. C. Bose took a groundbreaking step by generating microwave signals in his laboratory at Presidency College, Calcutta in 1894. His pioneering work not only demonstrated the quasi-optical properties of electromagnetic waves but also led to the development of various components crucial for radio communication systems.

Later, Professor S. K. Mitra, at the University of Calcutta, embarked on experimental investigations into the ionospheric propagation of radio waves shortly after the discovery of the ionosphere by Appleton and Barnett in 1924 that had significant implications on radio probing of the atmosphere. Efforts of these two pioneers resulted in many significant inventions and advancements that laid the foundation of radio and space research in India.

This talk will highlight the accomplishments of these two pioneers and the impact their work had on the courses of radio research in India.

Organised by: Indian Radio Science Society
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Webinar Link: <https://www.youtube.com/watch?v=lvu5IDOaFLE>