

Electromagnetic Fields T V S Arun Murthy

List of Indian Americans

medical correspondent; Vivek Murthy (b. 1977), 19th and former Surgeon General of the United States; former vice admiral of U.S. Public Health Service Commissioned

Indian Americans are citizens or residents of the United States of America who trace their family descent to India. Notable Indian Americans include:

E. C. George Sudarshan

years later, Glauber criticized the use of classical electromagnetic theory in explaining optical fields, which surprised Sudarshan because he believed the

Ennackal Chandy George Sudarshan (also known as E. C. G. Sudarshan; 16 September 1931 – 13 May 2018) was an Indian American theoretical physicist and a professor at the University of Texas. Prof. Sudarshan has been credited with numerous contributions to the field of theoretical physics, including Glauber–Sudarshan P representation, V-A theory, tachyons, quantum Zeno effect, open quantum system and quantum master equations, spin-statistics theorem, non-invariance groups, positive maps of density matrices, and quantum computation.

Satyendra Nath Bose

named by Paul Dirac. A polymath, he had a wide range of interests in varied fields, including physics, mathematics, chemistry, biology, mineralogy, philosophy

Satyendra Nath Bose (; 1 January 1894 – 4 February 1974) was an Indian theoretical physicist and mathematician. He is best known for his work on quantum mechanics in the early 1920s, in developing the foundation for Bose–Einstein statistics, and the theory of the

Bose-Einstein condensate. A Fellow of the Royal Society, he was awarded India's second highest civilian award, the Padma Vibhushan, in 1954 by the Government of India.

The eponymous particles class described by Bose's statistics, bosons, were named by Paul Dirac.

A polymath, he had a wide range of interests in varied fields, including physics, mathematics, chemistry, biology, mineralogy, philosophy, arts, literature, and music. He served on many research and development committees in India, after independence.

In situ

Aruna Kumari, M.L.; John Kennedy, L.; Maia, Gilberto; Vadivel, Neshanth; Murthy, Arun Prasad; Alfantazi, Akram; Kheawhom, Soorathep; Choi, Myong Yong (2025)

In situ is a Latin phrase meaning 'in place' or 'on site', derived from in ('in') and situ (ablative of situs, lit. 'place'). The term typically refers to the examination or occurrence of a process within its original context, without relocation. The term is used across many disciplines to denote methods, observations, or interventions carried out in their natural or intended environment. By contrast, ex situ methods involve the removal or displacement of materials, specimens, or processes for study, preservation, or modification in a controlled setting, often at the cost of contextual integrity. The earliest known use of in situ in the English language dates back to the mid-17th century. In scientific literature, its usage increased from the late 19th century onward, initially in medicine...

Udupi Ramachandra Rao

a complete understanding of the solar cosmic-ray phenomena and the electromagnetic state of the interplanetary space. Convinced of the imperative need

Udupi Ramachandra Rao (10 March 1932 – 24 July 2017) was an Indian space scientist and former chairman of the Indian Space Research Organisation. He was also the Chairman of the Governing Council of the Physical Research Laboratory at Ahmedabad and Nehru Planetarium at Bengaluru and chancellor of the Indian Institute for Space Science and Technology (IIST) at Thiruvananthapuram. He is known as "The Satellite Man of India". He pioneered India's first satellite launch Aryabhata in 1975.

Rao was awarded the Padma Bhushan by the Government of India in 1976, and the Padma Vibhushan in 2017. He was inducted into the

Satellite Hall of Fame, Washington, on 19 March 2013 at a ceremony organised by the Society of Satellite Professionals International. With this he became the first Indian to be inducted...

ISRO

propellants and advanced light materials used to build rockets. H. G. S. Murthy, an IOFS officer, was appointed the first director of the Thumba Equatorial

The Indian Space Research Organisation (ISRO) is India's national space agency, headquartered in Bengaluru, Karnataka. It serves as the principal research and development arm of the Department of Space (DoS), overseen by the Prime Minister of India, with the Chairman of ISRO also serving as the chief executive of the DoS. It is primarily responsible for space-based operations, space exploration, international space cooperation and the development of related technologies. The agency maintains a constellation of imaging, communications and remote sensing satellites. It operates the GAGAN and IRNSS satellite navigation systems. It has sent three missions to the Moon and one mission to Mars.

Formerly known as the Indian National Committee for Space Research (INCOSPAR), ISRO was set up in 1962...

List of fellows of IEEE Communications Society

contributions to electromagnetic compatibility instrumentation and to frequency management 1985 Fouad Tobagi For contributions to the field of computer communications

The Fellow grade of membership is the highest level of membership, and cannot be applied for directly by the member - instead the candidate must be nominated by others. This grade of membership is conferred by the IEEE Board of Directors in recognition of a high level of demonstrated extraordinary accomplishment.

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