



OUTREACH PROGRAM BHARATIYA VIGYAN SAMMELAN VIGYAN AROHAN: A SPECIAL TALK

Jointly Organized by

SCIENCE CLUB - DEPARTMENT OF PHYSICS, SAURASHTRA UNIVERSITY, RAJKOT (GUJARAT)

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TITLE OF THE TALK:

EXCITEMENTS IN PLASMA RESEARCH

INVITED SPEAKER DR. RAMASUBRAMANIAN N.



SCIENTIST - SE,
INSTITUTE FOR PLASMA RESEARCH (IPR),
BHAT, GANDHINAGAR, INDIA

ABSTRACT

Studies in Plasma science started well before discovering electron. Later the name plasma was given to the fourth state of matter, after solid, liquid and gas. Today plasma science and technology has been widely accepted an important field in all the branches of science and engineering. The applications of plasma are enormous and it is still growing with cross-field scientific knowledge and technological developments. In this address, after introducing plasma formally, its acceptance in various branches of science and engineering will be pointed out with some examples like Material science, Solar science, Energy science, Waste management, Fashion design Biomedical science, etc. The main idea behind this talk would be to introduce the plasma as a cross-field science and then point out that it has many challenges to be met in the near future.

ABOUT THE SPEAKER

Dr. Ramasubramanian is currently working as a Scientific Officer at Institute for Plasma Research (IPR), Gandhinagar. He is working with the Multi-Cusp plasma Experimental set up under the Fundamental Plasma Experiments Division of IPR. He has completed Ph.d thesis in 2001 in Experimental Plasma Physics. The experimental work was done at IPR, while the degree was awarded from Gujarat University, Ahmedabad. He has worked in Max-Planck Institute for Plasmaphysik, Garching, Germany during 2001-2005 and joined IPR after that. He has more than 45 publications in reputed journals. He has guided for four ph.d. students and many Master theses. His current interests are fundamental plasma experiments, Spherical Tokamak Experiments, spectroscopy diagnostics of plasma. He is also interested in the outreach activities of IPR in popularizing plasma among the common public and students.

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OCTOBER 18 2023

(WEDNESDDAY)
(11:00 AM) (IST)

LOCATION
<https://bit.ly/3JF0OqL>



Venue: Seminar Hall, Department of Physics,
Saurashtra University, Rajkot (Gujarat)