

# INDIAN SOCIETY OF GEOMATICS



## National Geomatics Award for Excellence

### CITATION

**Prof Arup Ranjan Dasgupta** is an expert on the convergence of communications and information processing technologies and their applications in various walks of life. His major contribution has been in the realisation of the National (Natural) Resources System (NRIS) as a part of ISRO's flagship programme, the National Natural Resources Management System (NNRMS). The NRIS Programme highlighted the Information Processing aspects geospatial data. Further, he was able to integrate Information Processing with Satellite Communications to create a distributed information processing and applications fabric which could become the basis of a Spatial Data Infrastructure for India.




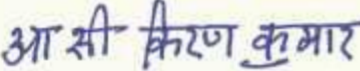
Post superannuation he has been a Distinguished Professor in BISAG, an Adjunct Faculty in Dhirubhai Ambani Institute of Information and Communications Technology, and is a Visiting Faculty at CEPT University. He is also the Managing Editor of Geospatial World published by Geospatial Media and Communications. He also served as an Independent Director on the Board of Scanpoint Geomatics which has developed and is marketing IGIS, an image processing and GIS software under ISRO's Technology Development Programme.

As a Fellow of the ISG and IETE, Senior Member of IEEE, Life Member of ISRS, INCA, IMSA he has been an active volunteer in many these Societies holding the posts of President of ISG, INCA and Chairman of the IEEE- Gujarat Section and Chairman ISRS Gujarat Chapter. He has served on the Board of Studies of Nirma University and Faculty of Technology, M S University. He is also the recipient of awards from the Astronautical Society of India, ISRS and Geospatial Today. Prof Arup Ranjan Dasgupta, born on April 1, 1945 at Kolkata, West Bengal obtained his BSc degree in Physics in 1965 from Delhi University and B.E. and M. E. degree in Electronics Communications Engineering in 1968 and 1970 from Indian Institute of Science, Bangalore.

Prof Dasgupta joined ISRO in 1970 and worked in the field of Space Communications till 1976. He was responsible, under the Satellite Instructional Television Experiment, for the Deployment, Operations and Maintenance of 2400 Direct Reception TV Systems in remote villages scattered over 6 states of India. He switched over to Remote Sensing with special reference to System Planning and User Coordination where he made many significant contributions – the most notable being the evolution of Remote Sensing Utilisation by end users using the Bhaskara Satellite, the Joint Experiments Programme for pre-IRS planning and the preparation of the IRS Utilisation Plan. In the area of Image Processing and Data Products and enlarged its scope to include Information and Signal Processing. Here his main contribution was the introduction of Geographical Information Systems for enabling convergent use of different data types in analytical processes. In 2000 he moved back to head the communications applications of satellites and its convergence with information processing.

**IN RECOGNITION OF HIS LIFE TIME ACHIEVEMENTS AS AN EVANGELIST FOR A FOCUSED USER APPLICATIONS PROGRAMME, FOR THE EVOLUTION OF AN INTEGRATED SPATIAL DATA INFRASTRUCTURE FOR INDIA, AND FOR SUPPORTING THE GROWTH OF INDIAN GEOSPATIAL PROFESSIONALS AND SOCIETIES, THE INDIAN SOCIETY OF GEOMATICS CONFERS THE PRESTIGIOUS NATIONAL GEOMATICS AWARD FOR EXCELLENCE FOR THE YEAR 2016 ON PROF ARUP RANJAN DASGUPTA.**

  
(N.S. Mehta)  
Secretary, ISG

  
(A.S. Kiran Kumar)  
President, ISG

December 07, 2016  
Dehradun