
PROFILE

M.Venkata Rao, Sci/Engr “H” ISAC/ISRO (Retired)

Contact: +91 9886465440

,email: venkatarao_irs@yahoo.com



Over 30 years of experience in Earth Remote sensing Satellite Projects in ISRO. As Project Director, led two teams to successfully launch and operationalize Oceansat & Resourcesat satellite Missions. Wide experience in system engineering as well as Project Management functions with excellent rapport and PR with colleagues and Senior Management of ISRO. Key areas – Electro-optical systems, Remote sensing, satellite technology, Project Management etc.,

CURRENT POSITION: Executive Member, PlanetAerospace, Bangalore (www.planetaerospace.in) and Free-lance Consultant on allied areas of satellite technology

Qualifications: M.Sc (Tech) Applied Physics with specialization in Applied optics , Andhra University, Visakhapatnam.

Date of Joining in ISAC/ISRO, Bangalore: April 1983

Date of Super Annuation: 30th April 2012

Areas of Specialization (specific): Applied optics, Project Management, Configuration Management, Budget control for space and ground segment elements, System engineering in Electro-optical sensors, Payloads and Satellite mainframe systems

Previous Experience prior to Joining in ISRO: Worked in a Private firm with hands-on experience in building Electro-optical systems

Various Positions Held in ISAC:

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| From 1983 to 1995: | Systems Engineer for Electro-optical Payloads / Sensors for IRS series of Satellites |
| From 1996 to 2003: | Deputy Project Director for IRS-1D and Resourcesat-1 Projects |
| From 1999 to 2004: | Head, IRS Programme Management Office |
| From 2004 to 2012: | Project Director, OCEANSAT-2, RESOURCESAT-2 |
| From 2012 to 2014: | Dr. Brahmprakash Scientist |

Awards:

1. Astronautical Society of India award for Space systems Management
2. Recipient of ISRO Team award for leading Oceansat-2 Project Team
3. Recipient of ISRO Merit award - 2011

Technical Papers/Publications:

1. Co-author with Dr.P.S.Goel and Dr.S. Chandra for a Paper titled 'AOCs specifications for a Remote sensing satellite' published in Intl. Journal of Remote sensing
2. An article on 'Future trends in Remote sensing' published in ISRS Journal, Ahmedabad Chapter
3. Presented a paper titled 'Oceansat-2 Mission and its Applications' at IGOOS conference at Phuket, Thailand
4. Presentation made on 'Resourcesat-2 Mission and its applications' at SPIE conference in Goa

Major Accomplishments/Achievements in ISRO:

1. End-to-end (from definition to realisation) execution of Remote sensing satellite Projects.
 2. Project management functions like Technical reviews, progress and schedule monitoring, Familiar with preparation of Project Reports, configuration Management activities
 3. Lead a Team engaged in building Remote sensing satellites
 4. Interaction with International Agencies – Italian Space Agency on ROSA payload flown in Oceansat-2 and with COMDEV, Canada on AIS payload flown in Resourcesat-2 Missions
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