C S Prasad

Name	C S Prasad	
Designation	Visiting Faculty	
Date of Joining	14/11/2017	
Qualification	M.Tech in Thermal Sciences (IIT-Madras)	
Area of Specialization	Development of aircraft propulsion engines and automotive turbochargers	
Work Experience	Research (10years) , Teaching (9 years), Industry (31 years)	

PUBLICATIONS:

National: 07

International: 06

National Conferences:

1. C.S.Prasad,"A Preliminary Study of Flow through Centrifugal Blower Impeller", Paper presented at the Fourth National Conference on Fluid Mechanics & Fluid Power, IIT-Madras, December 21-22, 1973
2. C.S.Prasad, V.Ganesan, "Feed System Selection Criteria for Liquid Rocket Engines", Paper presented at the Sixth National Conference on Fluid Mechanics & Fluid Power, IIT-Kanpur, December 22-23, 1975
3. C.S.Prasad, B.K.Venkataramu, K.Anantha Ram, "Design of a Fast Acting, Extremely Leak-tight On/Off Valve", Paper presented at the Sixth All India Fluid Power Conference, Bangalore, 3-4 September, 1987
4. C.S.Prasad, G.N.Mohan Kumar, "Development of a Passive Propellant Tank for Spacecraft Propulsion", Paper presented at the NCABE-94 Conference of the National Committee for Air breathing Engines & Aerospace Propulsion, Trivandrum, 26-27 December 1994.
5. C.S.Prasad, H.S.Venkatesh, "Propellant Management in Spacecraft", Paper presented at the National Convention on Indian Space Programme held at Birla Institute of Technology, Ranchi, December 14-15, 1998.
6. C.S.Prasad, H.S.venkatesh, "Zero-g Test Requirements for the Design of Spacecraft Propellant Tanks", Paper presented at the National Convention on Indian Space Programme held at Birla Institute of Technology, Ranchi, December 14-15, 1998.
7. S. H. Adarsh, C. S. Prasad, Sk. J. Basha, "Correlation of FE Analysis results of SMA behaviour with experimental data and closed form solutions", Proceedings of National Conference on Advances in Mechanical Engineering, Shimoga, 23-24 September 2010.

International Conferences/Journals:

1. Gaston Netter, C.S.Prasad,"Use of Surface Tension Propellant Tanks in the Indian Satellite INSAT", Paper No. IAF-88-237 presented at the 39th International Astronautical Federation Conference, Bangalore, 8-15 October, 1988
2. C.S.Prasad,"Design and Development Testing of a Surface Tension type Hydrazine Tank for Spacecraft Propulsion", Paper presented at the International Conference on Spacecraft Propulsion conducted by CNES, Toulouse-Labege, France, 8-10 November, 1994
3. S. Shreyas, C.S.Prasad, P.Subba Rao, M.V.V.S. Murthy, "Design & Analysis of a modified Support Structure for Star Sensor of a Satellite", Paper No. KBEP51, SAMPE Europe Technical Conference & Exhibition, Leiden, Netherlands, Sept. 11-14, 2011
4. S. Shreyas, C.S.Prasad, P.Subba Rao, M.V.V.S. Murthy, "Design & Analysis of Support Structure with Struts and End Fittings for a Star Sensor of a Satellite", International Conference on Technology & Innovation (ICTI 2011), Chennai, July 6, 2011.
5. Manjunath Swamy H.M., J.R Nataraj, C.S.Prasad, "Design Optimization of Gating System by Fluid Flow and Solidification Simulation for Front Axle Housing", International Journal of Engineering Research and Development, Volume 4, Issue 6 (October 2012), PP. 83-88.
6. Bhadri Rajsai, Ravi Tej, Sindhu Srinath, C.S.Prasad, "Optimization of hull profile and thruster positioning in AUV", Paper presented at International Conference on Computational Methods and Simulation (ICCMS-2015).

SUMMARY:

- Served Vikram Sarabhai Space Center (VSSC), Thiruvananthapuram. as Propulsion Engineer from 1973-2004
- Involved in development of propulsion systems for the 2nd and 4th stages of Polar Satellite Launch Vehicle (PSLV) until 1980.
- Involved in the development ofpropulsion systems for attitude and orbit control of spacecraft at ISRO, Bangalore
- Was a DLR Fellow in Germany during 1987-'88 and worked on technology related to control of liquid fuels in low gravity space environment.
- Headed Liquid Propulsion Systems Centre, ISRO, Bangalore as its Chief General Manager to develop and deliver propulsion systems to Remote Sensing and Communication Satellites of ISRO
- Served Mechanical Engineering domain of Honeywell Aerospace as Director from 2004-2008
- At Honeywell, involved in the design and development of aircraft propulsion engines and automotive turbochargers
- Served Mechanical Engineering Department of R V College of Engineering as Visiting Faculty from 2009-'13
- Presently working as Visiting Faculty at Department of Aerospace Engineering, R V College of Engineering, Bangalore.

ACHIEVEMENTS:

1. Certified Six-Sigma Green Belt from Honeywell
2. Recipient of Business Excellence Award and Process Champion Award from Honeywell
3. Life member, Astronautical Society of India