

Short Bio-data

Name: Dr. Gireesh Yanamashetti

Designation: Chief Scientist

Division: NTAF

Area of Expertise: Aerodynamics

Specialization: Experimental Aerodynamics

Publications:

- 1 “Alleviation of SWBLI over the payload of a launch vehicle by change of nose shape”, Buddhadeb Nath, N Srinivasan, KN Murugan, T Arunkumar, **Gireesh Yanamashetti**, GK Suryanarayana, M Prasath, Aerospace Science and Technology, Volume 151, Pages 109265, Aug-2024,
- 2 “Visualization and analysis of accelerating transonic flow over typical launch vehicle model using image processing”, D B Singh, **Gireesh Yanamashetti**, GK Suryanarayana, G Jagadeesh, Journal of Flow Visualization and Image Processing 31(4), January 2024, DOI: 0.1615/JFlowVisImageProc.2024049573
- 3 “Effect of Wind Tunnel Model Blockage on Aerodynamic Characteristics at Transonic Speeds”, G K Suryanarayana, **Gireesh Yanamashetti** AIAA Journal of Spacecrafts and Rockets, USA, Sept-2021 Volume.59, No.5 pp 1-5 , <https://doi.org/10.2514/1.A35222>
- 4 “Effect of Aerospikes on Unsteady Transonic Flow over a Blunt Body”, **Gireesh Yanamashetti**, D B Singh, G K Suryanarayana, Rinku Mukherjee AIAA Journal of Spacecrafts and Rockets USA, Apr-2021 Volume 57, No.5, pp. 945-955
- 5 “Passive control of transonic flow over a blunt body using aerospikes”, **Gireesh Yanamashetti**, D B Singh, G K Suryanarayana, Rinku Mukherjee AIAA Journal of Spacecrafts and Rockets, USA, Apr-2020 Volume 57, No.5, pp. 945-955, doi/abs/10.2514/1.A34668
- 6 “Development of Flow Over Blunt-Nosed Slender Bodies at Transonic Mach Numbers”, **Gireesh Yanamashetti**, G K Suryanarayana, Rinku Mukherjee Journal of Physics Conference Series 822(1), April 2017, DOI: 10.1088/1742-6596/822/1/012071

Subject area willing to guide the student: Aerodynamics

