

5th National Conference on Wind Tunnel Testing (NCWT-05)
Madras Institute of Technology Campus, Anna University, Chennai-600044
16-17, March 2017

Day – 2(17.03.2017) – Technical Session - 5(Oral Presentation)
Parallel Session – 1 – Special Applications of Wind Tunnel Testing

S.No	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	11.00 –11.15	P80	Experimental Determination of Heat Transfer in the Wake Region of Reentry Capsule in Plasma Wind Tunnel Facility <i>N.Sreenivas, L.Aravindakshan Pillai, K.Krishnaraj, VinayUnnikrishnan</i> <i>VSSC, Thiruvananthapuram</i>
02.	11.15 –11.30	P77	Evolution of Payload Faring Nose Configuration for a Typical Space Vehicle <i>K.Hariharan¹, M.Prasath¹, V.R.Ganesan¹, M.M.Pattil¹, T.Arunkumar², K.N.Murugan²</i> <i>1-VSSC, Thiruvananthapuram,</i> <i>2- CSIR-NAL, Bengaluru</i>
03.	11.30-11.45	P30	Characterization of Dielectric Barrier Discharge Plasma Actuator for Wind Tunnel Application <i>D.B.Singh¹, G.K.Suryanarayana¹, G.Jagadeesh²</i> <i>1-CSIR-NAL, Bengaluru, 2- IISc., Bengaluru</i>
04.	11.45 –12.00	P41	Development of a New Ejector Facility in NTAf, CSIR, NAL <i>N.Srinivasan, Buddhaded Nath, G.K.Suryanarayana, M.Baskaran, N.Karthik, M.Bikshapathi, D.B.Singh, LeelaShawani,</i> <i>M.PannerSelvan, P.R.Gopinath</i> <i>CSIR-NAL, Bengaluru</i>

Parallel Session – 2 – High Speed Flows and Testing

S.No	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	11.00 -11.15	P106	Design of a Wind Tunnel Model for Measuring Base Drag in a Supersonic Flow <i>A.Anupriya¹, Manoj Kumar², R.Rajasekar¹, A.Kamalesh³</i> <i>1-Excel Engineering College Namakkal, 2-DRDL, Hyderabad, 3- RCI Hyderabad</i>
02.	11.15 -11.30	P21	Off-Design Analysis of a Turbo-Ramjet Diffuser <i>K.M.Parammasivam, V.Sriram, A.Karishma, C.Anand</i> <i>MIT, Chennai</i>
03.	11.30-11.45	P122	Calibration of Single component Accelerometer Forcebalance and vibrometer balance using short duration step load <i>P.Ramesh Babu, NIT, Meghalaya</i> <i>Vinayak N Kulakarni, S.K.Dwivedy, IIT, Guwahati</i>
04.	11.45 -12.00		

Note: The above tables indicates only a tentative Schedule for presentation of papers. Registration is a must for presentation in technical sessions. A maximum of only two presentations is allowed per registration.

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Parallel Session – 3 – Low Speed Wind Tunnel Testing

S.No	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	11.00 –11.15	P119	Aerodynamic Design of Flying Wing MAV with Moving Wings <i>K.Senthil Kumar, I.Praveen, Sai Lakshmi Narayanan, Surya Narayanan</i> <i>MIT, Chennai</i>
02.	11.15 –11.30	P33	Aerodynamic Characterization of a Typical Anti-Tank Guided Missile with High Aspect Ratio (Hi-AR) Wing Configuration <i>Shiladitya Bhowmick, Naveed Ali, D.N.Thakur</i> <i>DRDL, Hyderabad</i>
03.	11.30-11.45	P121	Design and Fabrication of Alpha-Beta Vane for Small UAV Application <i>Manabesh Panda, Hari Om Verma, N.K.Peyada, A.Gosh</i> <i>IIT, Kharagpur</i>
04.	11.45 –12.00	P123	Aerodynamic coefficients of a Model of a Curved Transitory Shelter Under Simulated Wind

Parallel Session – 4 – High Speed Wind Tunnel Testing

S.No	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	11.00 –11.15	P84	Conjugate Heat Transfer Analysis of Mach 8.0 Nozzle for Hypersonic Wind Tunnel <i>Srikanth, D.K.Yadav, A.Pradhap, Sandip Chattopadhyay</i> <i>DRDL, Hyderabad</i>
02.	11.15 –11.30	P88	Scramjet Combustion Experiments in 1m Shock Tunnel <i>Praveen Maurya, K.Srinivasan, Abhishek Kumar, R.Saravanan, NoorulAmeen, Binoy Mathew, B.Murugan, D.S.Antuvan, S.Pandian</i> <i>VSSC, Thiruvananthapuram</i>
03.	11.30-11.45	P100	Pressure and Heat Flux Estimation of Hypersonic Cruise Vehicle Using CFD and Shock Tunnel <i>B. Rajinikanth, Singh Prakash Rampratap, Priyanka Thapliyal, T.K.Ganesh Anavaradham, JJ Geetha, G.Balu,</i> <i>DRDL, Hyderabad</i>
04.	11.45 –12.00	P101	Force Measurement on Heat Shield Panels during Separation at Hypersonic Mach Number <i>B. Rajinikanth¹, T.K.Ganesh Anavaradham¹, G. Balu¹, R.K.Sharma¹, Kashyap Kumar, B.Vasudevan²,</i> <i>1-DRDL, Hyderabad, 2-IISc., Bengaluru</i>

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