

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 – 4(Oral Presentation)
Parallel Session – 1 – Wind Tunnel Instrumentation

S.NO	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	09.45 -10.00	P26	LabVIEW Based Data Reduction Program for Dynamic Derivative Measurements using Free Oscillation Technique <i>Anjusharma, S.Divya, H.Sundaramurthy, K.Prasada Rao</i> CSIR-NAL, Bengaluru
02.	10.00 -10.15	P60	Development and Evaluation of Co-axial Thermocouples for Heat Flux Measurements <i>Abhishek Kumar, Saravanan.R, SatheeshChandran.R and Varghese Jacob</i> VSSC, Thiruvananthapuram
03.	10.15 -10.30	P89	Experimental Investigation of Clap and Fling Type Flapping Mechanism with Two Wings and Four Wings <i>Parag Deshpande¹, Tejas Alva², Michael Fenelon²</i> 1-CSIR-NAL, Bengaluru , 2-NALTECH, Bengaluru
04.	10.30 -10.45	P91	Validation of Complimentary Filter Algorithm for Angle of Attack Estimation using wind tunnel Measurements <i>L.Sankaralingam¹,S.Prem¹, C. Ramprasad¹, Parag Deshpande², Tejas Alva³, Ravi Dodamani²</i> 1-SASTRA University, 2-CSIR-NAL,Bengaluru, 3- NALTECH, Bengaluru

Parallel Session – 2 – Industrial Aerodynamics

S.NO	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	09.45 -10.00	P113	Hydrodynamic Testing of Different Parachutes in Tow Tunnel for Performance Characterization <i>Ravi Krishna,Vipin K. Verma, SudhakarPrasad,S.P.Singh,Debashish Chakraborty</i> ADRDE, Agra
02.	10.00 -10.15	P114	Wind Tunnel Test results of Parachutes Configured with Reefing Line <i>Ravi Krishna¹,Vipin K.Verma¹,Swadesh Kumar¹, Chaturi Singh¹,S.P.Singh², Sanjay Mittal²</i> 1-ADRDE, Agra,2- IIT Kanpur
03.	10.15 -10.30	P115	Wind Tunnel Pressure Measurement Studies on a Model of Photovoltaic Panel with Reflectors <i>M.Keerthana,P.Hari Krishna, G.RameshBabu and A.Abraham</i> CSIR-SERC, Chennai
04.	10.30 -10.45	P120	Wind Pressure Coefficient of Curved Roof Structures: a Comparison Between Wind Tunnel Experiments and Numerical Simulations <i>A.Abraham, P. Harikrishna, G.M. Samuel Knight and N. Raj Kumar</i> CSIR-SERC, Chennai

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.	09.45 -10.00	P82	Experimental and Computational Estimation of an Aerodynamic Characteristic of a Missile Configuration <i>U.Vamsi Krishna, JayantaSinha</i> <i>Amity University, Uttar Pradesh</i>
02.	10.00 -10.15	P86	Aerodynamic Study on Randle Structure Mounted on Top of a Surveillance Aircraft <i>S.Ilavarasu¹, Ramanjaneyulu¹, P.A.Aswatha Narayana²</i> <i>1-CABS, DRDO, Bengaluru, 2- IIAEM, Bengaluru</i>
03.	10.15 -10.30	P90	Experimental Investigation of a Powered on Full Scale Fixed Wing MAV at MART Facility and Validation Through Flight Tests <i>ParagDeshpande, Aswathy S. Raj, Ravi Dodamani, Suraj, C.S</i> <i>CSIR-NAL, Bengaluru</i>
04.	10.30 -10.45	P116	Effect of Wind Tunnel Wall Blockage, Interference Effect and Local Flow Angle Change on Rudder Hinge Moment Characteristics <i>M.Vijaya Kumar, B.Saravanan, A.Vadivelan, K.Vikas, A.Parthiban, R.Lavanya</i> <i>ADE, Bengaluru</i>

Parallel Session – 4 – High Speed Wind Tunnel Testing

S.No	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	09.45 -10.00	P78	Alleviation of Core Nozzle Loads for a Booster Assisted Launch Vehicles <i>K.Hariharan¹, P.Balasubramanian¹, Vinay Kumar Srivastava², V.R.Ganesan¹, M.M.Patil¹, Gireesh Yanamashetti³,</i> <i>1- VSSC, Thiruvananthapuram, 2-SCL, Department of Space, Punjab, 3- CSIR-NAL, Bengaluru</i>
02.	10.00 -10.15	P69	Development of Overexpanded Jets Through a Linear Cluster Plug Nozzle <i>KiranChutkey, M.Viji, S.B.Verma</i> <i>CSIR-NAL, Bengaluru</i>
03.	10.15-10.30	P73	Novel Method for Aerodynamic Shear Simulation on a Subscale Tank Filled with Cryo Fluid <i>R.Manoj, UdayBhaskar.N., John G Geo, B.Deependran</i> <i>VSSC, Thiruvananthapuram</i>
04.	10.30-10.45	P83	Aero-Acoustic Distribution on a Typical Launch Vehicle Stringers at Mach 2 <i>R.Saravanan, S.Subramanian, J.ATennyson, S.L.N Desikan, M.M.Patil</i> <i>VSSC, Thiruvananthapuram</i>

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