

5th National Conference on Wind Tunnel Testing (NCWT-05)
Madras Institute of Technology Campus, Anna University, Chennai-600044
16-17, March 2017
Day – 1(16.03.2017) – Technical Session – 1 (Oral Presentation)
Parallel Session – 1 – Wind Tunnel Instrumentation

S.NO	TIME	PAPER No.	PAPER TITLE, AUTHORS&ORGANIZATION/INSTITUTION
01.	11.45 – 12.00	P07	Design and Development of Compact Mass Flow Controller Device for Air Intake Studies in Trisonic Wind Tunnels <i>Vinaya Raya.P, D.B.Singh, G.K.Suryanarayana, BharathKatta</i> <i>CSIR-NAL, Bengaluru</i>
02.	12.00 – 12.15	P08	Automation of Load Application by Pneumatic/ Hydraulic Systems on Wind Tunnel Balance <i>VinayaRaya.P¹, Bharath Katta¹, Shivarudraia²</i> <i>1-CSIR-NAL, Bengaluru, 2- University Visvesvaraya College of Engineering, Bengaluru</i>
03.	12.15 –12.30	P13	Development of Cowl Actuation Mechanism of an Air-Intake Model <i>Leelashawani¹, ,Sudha.L², Suprabha¹, BuddadebNath¹, Rajeev.G¹, Ramesh Rajakumar¹, Tusharpanpate¹</i> <i>1-CSIR-NAL, Bengaluru, 2- Central Manufacturing Technology Institute, Bengaluru</i>
04.	12.30 –12.45	P29	Dynamic Measurements of Modal Deflection Using Image Processing <i>E.Narendran, RajanKurade</i> <i>CSIR-NAL, Bengaluru</i>

Parallel Session – 2 – Industrial Aerodynamics

S.NO	TIME	PAPER No.	PAPER TITLE, AUTHORS &ORGANIZATION/ INSTITUTION
01.	11.45 – 12.00	P44	Effect of Interference on Wind Loads on Rectangular Plan Tall Buildings <i>Bharat Singh Chauhan,Ashok Kumar Ahuja</i> <i>IIT-Roorkee</i>
02.	12.00 – 12.15	P48	Effect of Spacing on Wind Pressure Distribution on Flat Canopy Roof <i>Neelam Rani, Ashok Kumar Ahuja,</i> <i>IIT-Roorkee</i>
03.	12.15 –12.30	P51	Wind Pressure Distribution on Low Rise Buildings with Hip Roof <i>AsthaVerma¹, Ashok Kumar Ahuja²</i> <i>1-GBPUA&T, Pantnagar University, 2-IIT-Roorkee</i>
04.	12.30 –12.45	P54	Influence of Corner Configuration on Wind Loads on Tall Buildings <i>AdalMengeshaYimer, Ashok Kumar Ahuja</i> <i>IIT-Roorkee</i>

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.	11.45 – 12.00	P16	Investigation of Flow Over a Cone-Cylinder at High Angles of Attack at Subsonic Speed <i>S.Gaurav, S.Das,P.Kumar,</i> <i>BIT, Ranchi</i>
02.	12.00 – 12.15	P18	Anhedral Angle Effect on a 76/40 Degree Double Delta Wing at Subsonic Speed <i>D.Roy, S.Das, P.Kumar,</i> <i>BIT, Ranchi</i>
03.	12.15 –12.30	P10	Theoretical and Experimental Evaluation of Propeller Thrust with Respect to Freestream Velocity and RPM for a MAV <i>P.Manigandan¹,R.Kavitha², C.Senthilkumar³</i> <i>1-Bannari Amman Institute of Technology, Coimbatore, 2-Rolls-Royce India Pvt. Ltd, Bengaluru, 3-MIT- Chennai</i>
04.	12.30 – 12.45	P17	Base Drag Reduction Studies by Experiment and CFD at Low Speeds <i>S.Venkatramanan¹, SH GowthamGudimella², J.Anbarasi¹</i> <i>1-KCG college of Technology, Chennai , 2-DRDL, Hyderabad</i>

Parallel Session – 4 – High Speed Wind Tunnel Testing

S.NO	TIME	PAPER No.	PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION
01.	11.45 – 12.00	P01	Aerodynamic Characteristics of an Aerospace Vehicle with Side Mounted Air-Intake in Closed Condition at Subsonic and Supersonic Flow <i>Munish K Ralh, P K Sinha, P. Theerthamalai</i> <i>DRDL, Hyderabad</i>
02.	12.00 – 12.15	P15	Check Calibration Tests for Force and Moment Measurements in Wind Tunnels at NTAF <i>R.Suresh, H.Sundaramurthy</i> <i>CSIR-NAL, Bengaluru</i>
03.	12.15 –12.30	P27	Performance of Air-Intake at Off-Design Mach Number <i>Manojkumar, G.Kadamsunil, Prabhath Ranjan Behera, V.Shanmugam, G.Balu, P.Theerthamalai</i> <i>DRDL, Hyderabad</i>
04.	12.30 – 12.45	P52	Hypersonic Aerodynamic Characterization of a Winged Body Configuration at High Angle of Attack <i>Ankur Nagpal, Amitava Mandal, K.J.Francise, Satheesh Chandran, B.Murugan, D.S.Antuvan</i> <i>VSSC, Thiruvananthapuram</i>

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