

**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 - 2(Oral Presentation)**

**Parallel Session – 1 – Wind Tunnel Instrumentation**

| S.NO | TIME          | PAPER No. | PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION   |
|------|---------------|-----------|--|
| 01.  | 14.45 –15.00  | P14       | Application of Global Regression Method for Calibration of Hinge Moment Balances<br><i>Gireesh Yanamashetti, N.Srinivasan, T.Arunkumar</i><br><i>CSIR-NAL, Bengaluru</i>   |
| 02.  | 15.00 – 15.15 | P19       | Design and Development of a Rig for Calibration of Balances with High Axial Load Capacity<br><i>Bharathkatta, GireeshYanamashetti, T.Arunkumar</i><br><i>CSIR-NAL, Bengaluru</i>                                     |
| 03.  | 15.15 –15.30  | P20       | Design of Support Systems for Full Scale Fin Model for Force and Moment Measurements in 1.2 m Wind Tunnel<br><i>Swapna L, D.Rameshraj Kumar, G.Rajeev, Arvind, Surenderkumar Meen,</i><br><i>CSIR-NAL, Bengaluru</i> |
| 04.  | 15.30 –15.45  | P25       | Model to Sting Annular Gap Estimation- An Experimental Investigation<br><i>L.Swapna, BharathKatta, G.Rajeev</i><br><i>CSIR-NAL, Bengaluru</i>  |

**Parallel Session – 2 – Industrial Aerodynamics**

| S.NO | TIME         | PAPER No. | PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION  |
|------|--------------|-----------|---|
| 01.  | 14.45 –15.00 | P55       | Effect of Wind Incidence Angle on Wind Pressure Distribution on Canopy Roofs<br><i>WasimSiddiqui, Ashok Kumar Ahuja</i><br><i>IIT-Roorkee</i> |
| 02.  | 15.00 –15.15 | P56       | Experimental Investigation of Wind Loads on High-Rise Buildings<br><i>BirhanuGebeyehu, Ashok Kumar Ahuja,</i><br><i>IIT-Roorkee</i>           |
| 03.  | 15.15 –15.30 | P57       | Wind Pressure Distribution on Industrial Building Roof<br><i>Gudetakonkone, Ashok Kumar Ahuja</i><br><i>IIT-Roorkee</i>                       |
| 04.  | 15.30 –15.45 | P58       | Effect of Roof Slope on Wind Pressure Distribution on Conical Roofs<br><i>V.Kranthi Kumar, Ashok Kumar Ahuja</i><br><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.***

**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 - 2(Oral Presentation)**

**Parallel Session – 3 – Low Speed Wind Tunnel Testing**

| S.NO | TIME         | PAPER No. | PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION   |
|------|--------------|-----------|--|
| 01.  | 14.45 -15.00 | P117      | Effect of Geometry of Cone on Drag and Flow Field of Bluff Body Model<br><i>V.Suresh<sup>1</sup>, M.Suresh Mohan<sup>2</sup>, P.S.Prem Kumar<sup>2</sup>, C.Senthilkumar<sup>1</sup>,</i><br><i>1-MIT, Chennai, 2-Kumaraguru College of Technology, Coimbatore</i> |
| 02.  | 15.00 15.15  | P22       | Experimental Investigation on Induced Drag Reduction on Aircraft Model with Winglet<br><i>N.Muthusamy<sup>1</sup>, C.Senthil kumar<sup>2</sup></i><br><i>1-Rajalakshmi Engineering College, 2- MIT, Chennai</i>  |
| 03.  | 15.15 -15.30 | P43       | Wind Tunnel Study of a Bio-Inspired Corrugated Wing<br><i>Y.D. Dwivedi<sup>1</sup>, Donepudi Jagadish<sup>2</sup>, PMV Rao<sup>1</sup></i><br><i>1- VFSTR University, Guntur, Andhra Pradesh, 2-Narasaraopeta Engineering College, Andhra Pradesh</i>              |
| 04.  | 15.30 -15.45 | P62       | Effect of Leading Edge Profile Over the Flow Phenomenon of Delta Wing<br><i>Ramakrishna Madhira<sup>1</sup>, C.Senthil Kumar<sup>2</sup></i><br><i>1-Tagore Engineering College , 2- MIT, Chennai</i>  |

**Parallel Session – 4 – High Speed Wind Tunnel Testing**

| S.NO | TIME         | PAPER No. | PAPER TITLE, AUTHORS & ORGANIZATION/ INSTITUTION  |
|------|--------------|-----------|---|
| 01.  | 14.45 -15.00 | P39       | Rudder Hinge Moment for Scaled Model of RLV-TD at Transonic Mach Number<br><i>M.Prasath<sup>1</sup>, V.R.Ganesan<sup>1</sup>, Buddhadeb Nath<sup>1</sup>, N.Karthik<sup>2</sup></i><br><i>1-VSSC, Thiruvananthapuram , 2-CSIR- NAL, Bengaluru</i>   |
| 02.  | 15.00 -15.15 | P53       | Qualification of Thermal Protection System Under Aerodynamic Shear and Heat Load<br><i>Amitava Mandal, R.Satheesh Chandran, Baby Ninan, B.Murugan</i><br><i>VSSC, Thiruvananthapuram</i>  |
| 03.  | 15.15 -15.30 | P59       | Experimental Investigation of Intake Flow Instability of a Combat Aircraft at Supersonic Speeds<br><i>Venugopal.B<sup>1</sup>, N. Om Prakashraj<sup>1</sup>, Pankaj Gandhi<sup>1</sup>, Koner.D<sup>1</sup>, Bikshapathi.M<sup>2</sup></i><br><i>1-ADA Bengaluru, 2-CSIR-NAL, Bengaluru</i> |
| 04.  | 15.30 -15.45 | P66       | Effect of Modified Nose Cone Shape on the Performance of a Generic Air Vehicle<br><i>Arvind Bobby Alphonse, K.VijayAnand, N.Balachandran</i><br><i>ADE, Bengaluru</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.**