

## Papers Published

### Papers Published by Dr SK Maharana

**Cloud Computing Applied for Numerical Study of Thermal Characteristics of SIP**, *International Journal of Cloud Applications and Computing*(Accepted, 2011).

**An efficient and MATLAB based simulation technique to analyse thermal characteristics in SIP using Cloud**, *International Journal of Peer to Peer Networks* (Accepted,2011)

**A Study of Cloud Computing Architecture to facilitate thermal characteristics of chips in Stack**, *National Symposium on Instrumentation (NSI-35)*, January 7-9, 2011, Visvesvaraya Tech University , Karnataka, India

**Proof of Concept of a Cloud Computing Architecture to compute Thermal characteristics of a Multi-chip Module (MCM)**, *First National Conference on Computational Control Systems and Optimization*, CCSO 2011, 12 – 13 May 2011(Accepted).

**Cloud Computing Network Explored for the Computation of Thermal Characteristics of SIP** , *International Conference on Frontiers of Computer Science*, 7-9 Aug, 2011, J.N. Tata Convention Centre, IISc, Bangalore(Communicated).

**Numerical Prediction of Vorticity and Net Axial Drag of Flows over a Prismatic Building and a Sloping Roof structure in Tandem Arrangement**, *International Journal of Applied Mathematics and Mechanics*,6(16), 56 – 66, 2010

**A Numerical Investigation of Interference Effect of flows over a Sloping Roof Structure and a Prismatic Building in Tandem Arrangement** , *International Journal of Applied Engineering Research*, Vol 5, No.20, 3311-3321,2010

### Papers Published by Dr SK Maharana Contd.

**A Numerical Prediction of Interference Effect of flows over a Prismatic Building and a Sloping Roof Structure in side-by-side arrangements using LES technique**, *International Journal of Applied Mathematics & Engineering Sciences*, Vol. 4 No.2, 133-142,2010,

**A Numerical Investigation of Interference of a sloping Roof Structure on the flow around a Prismatic Building using LES Method**, *The Fifth Int. Symp. On Computational Wind Engineering(CWE2010)*, Chapel Hill , North Carolina, USA, May 23-27.

### Papers Published by A. Arokkia Swamy

**Studies on Rectangular Jets with Trapezoidal tabs-Paper** *10th Asian Symposium on Visualization an International Conference which will be held during March 2010(accepted).*

**Influence of Tab Geometry on the Development of a Rectangular Jet**, *Thirty Seventh National and Fourth International Conference on Fluid Mechanics and Fluid Power(accepted for publication).*

**Mixing Enhancements on Rectangular Jets with trapezoidal tabs**, *International Review of Aerospace Engineering (IREASE)(paper under review, 2010)*

## Grants

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### **Project:**

- Investigation of Effects and Hazards of Wind Flow on Buildings in Multiple Arrangements using CFD

### **Brief About Project:**

- The project is about Investigation of Wind effects and its hazards on cluster of buildings. It's a numerical simulation study using commercially available CFD software such as CATIA, ICEMCFD & FLUENT.
- This project is funded by Visveshvaraya Technological University, VTU, Belgaum, Karnataka

### **Faculty:**

- Dr S K Maharana, Professor & Head (PG), Principal Investigator, Department of Aeronautical Engineering.
- Janardhana K, Co-Investigator.

## *Projects*

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- Shakthi Prasad M has carried out a Research Project on “ANALYSIS OF RIVETED SPLICE JOINT IN FUSELAGE STRUCTURE” in Aircraft Industries Pvt Ltd, Bangalore.
- Syed Mohd. A. Aftab has carried out a Research Project on “NUMERICAL STUDIES OF EFFECT OF VORTEX GENERATOR ON PERFORMANCE OF AIRCRAFT WING” in Aeronautical development Establishment, Bangalore.
- Nagalingeswara.V has carried out a Research Project on “STUDIES ON STRENGTH EVALUATION OF FIBRE RE-INFORCED PLASTIC COMPONENTS” in CSIR, NAL, Bangalore.
- Rajeeva K T has carried out a Research Project on “INVESTIGATION OF LEADING EDGE TUBERCLES AS AN AUGMENTATION DEVICE FOR WIND TURBINE PERFORMANCE” in CSIR, NAL, Bangalore.

## *Student Achievements*

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### *Student Achievements*

- Students take active participation in Aero-modeling club and they have built a Remote control model.
- Some of our students represent VTU in inter-university sports & games events.

## *University Ranks*

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- The Management, Faculty and Students of MVJ College of Engineering Congratulate the following students for bagging University Ranks

### *M Tech 2009 Results*

- *Ragit Rajagopalan*      *1<sup>st</sup> Rank*
- *Deepa M S*              *2<sup>nd</sup> Rank*
- *Rohit S*                  *3<sup>d</sup> Rank*

### *M Tech 2010 Results*

- *Sesha Shayana A*      *1<sup>st</sup> Rank*
- *Nagalingeshwara V*    *2<sup>nd</sup> Rank*
- *Raveeva K T.*          *3<sup>d</sup> Rank*