

Dr. PINNAM LOVARAJU M.E.,Ph.d

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Education Qualifications:

Degree	Department / Specialization	College	University	Year of Passing
Ph.D	Aerospace	IIT,Kanpur	IIT,Kanpur	2008
M.E	Aerospace	MIT,chennai	Anna University	2002
B.Tech	Mechanical Engineering	Institution Of Engineers	Institution Of Engineers	1998-2000

Experience summary:

1. Appointed as In-charge Head of Aerospace Engineering Department, Lakireddy Balireddy College of Engineering, Mylavaram, on 8th May, 2012
2. Appointed as Head of Mechanical Engineering Department, Lakireddy Balireddy College of Engineering, Mylavaram, on 21st, Dec, 2010
3. Joined as Professor in Department of Mechanical Engineering, Lakireddy Balireddy College of Engineering, Mylavaram, on 11th September, 2009.
4. Promoted as Professor in the Department of Mechanical Engineering, Koneru Lakshmaih College of Engineering (KLCE), on November 2008
5. Joined as Assistant Professor in Department of Mechanical Engineering, Koneru Lakshmaih College of Engineering (KLCE), on November 12th 2007

WORKSHOPS/FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES:

S.NO	Name of the Work Shop	Place	Title	Month &Year
1	Faculty Development Program	LBRCE, Mylavaram`	Recent Advances in Mechanical Engineering	26 th to 8 th January 2015
2	Faculty Development Program	LBRCE, Mylavaram`	Recent Trends in Manufacturing Process	17/3/2014 to 23/3/2014
3	Faculty Development Program	LBRCE, Mylavaram`	Finite Element Analysis And Practices Through ANSYS	4/2/2013 to 10/2/2013

Journal Publications:

International Journals

1. T. Srinivasarao, P. Lovaraju and E. Rathakrishnan, "Characteristics of underexpanded co-flow jets", Applied Mechanics and Materials, *Trans Tech Publications, Switzerland*, Vol. 575, pp. 507-511, 2014
2. T. Srinivasarao, P. Lovaraju and E. Rathakrishnan, "Characteristics of co-flow jets from orifices" International Journal of Turbo and Jet Engines, Vol. 31, Issue 2, pp.141-148, June 2014, **Impact Factor 0.261**
3. T. Srinivasarao, P. Lovaraju and E. Rathakrishnan "Effect of Co-Flow on Near Field Shock Structure", J. Fluids Eng., *Transactions of ASME*, Vol. 134, 074501, 2012
4. Pinnam Lovaraju and E. Rathakrishnan "Experimental Studies on Co-flowing Subsonic and Sonic Jets" *Flow, Turbulence and Combustion*, Vol. 87, No. 1, pp. 115-132, 2011, **Impact Factor 1.211**
5. H. Sharma, A. Vashishtha, P. Lovaraju and E. Rathakrishnan "Experimental Study of Overexpanded Co-Flowing Jets" *The Aeronautical Journal*, Vol. 112, No. 1135, September 2008, pp. 537-546.
6. P. Lovaraju and E. Rathakrishnan "Shifted Cross-Wire for Jet Flow Control" *International Review of Aerospace Engineering (I.RE.AS.E)*, Vol. 1, No. 1, February 2008, pp. 61-68.
7. P. Lovaraju, Shibu Clement, and E. Rathakrishnan "Effect of Cross-Wire and Tabs on Sonic Jet Structure" *Shock Waves, An International Journal on Shock Waves, Detonations and Explosions*, Vol. 17, No. 1-2, August 2007, pp.71-83. **Impact Factor 0.907**
8. P. Lovaraju and E. Rathakrishnan "Effect of Cross-Wire Location on the Mixing of Underexpanded Sonic Jets" *Journal of Aerospace Engineering (ASCE)*, Vol. 20, No. 3, July 1, 2007, pp. 179-185.
9. P. Lovaraju and E. Rathakrishnan "Subsonic and Transonic Jet Control with Cross-Wire" *AIAA Journal*, Vol. 44, No. 11, November 2006, pp. 2700-2705.

Conferences:

International Conference Proceedings

1. P. Lovaraju, Shajahan, P. Mrudula, V. Sahithi, G. Siva Rani, E. Rathakrishnan "Flow Characteristics of Circular Arc Configurations" 10th Asian Symposium on Visualization, March 1-5, 2010, SRM university, Chennai, India, Paper No. 118
2. P. Lovaraju, G. Pavan Krishna, S.S.N.Agnimitra and E. Rathakrishnan "FLOW OVER FORWARD AND BACKWARD FACING STEPS" 10th Asian Symposium on Visualization, March 1-5, 2010, SRM university, Chennai, India, Paper No. 78
3. Lovaraju P and Rathakrishnan E "Experimental Studies on Subsonic and Sonic Rectangular Jets" *FLUCOME 2007*, Ninth International Symposium on Fluid Control, Measurement and Visualization, September 16-19, 2007, Tallahassee, Florida, Paper No. 81.
4. V.N. Sukumar, T. Sundaravadivelu, P. Lovaraju and E. Rathakrishnan "Effect of Co-flow on Near-field Shock Structure of Underexpanded Central Jets (An Experimental Study)" 9th Asian Symposium on Visualization, Hong Kong, 4-9 June, 2007, Paper ID. No. ASV0031-001.
5. P. Lovaraju, R. Mohan Murali and E. Rathakrishnan, "Experimental Studies on Unventilated Twin Unventilated Sonic Free Jets" 9th Asian Symposium on Visualization, Hong Kong, 4-9 June, 2007, Paper ID. No. ASV0031-002.

6. Shibu Clement, P. Lovaraju, E. Rathakrishnan., “Passive Controls for Sonic Jets”, *25th International Symposium on Shock Waves*, IISc Bangalore. 2005.
7. Lovaraju P and Rathakrishnan. E., “Subsonic and Transonic Jet Control with Cross-Wire” **41st AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit**, 10-13 July 2005, Tucson, Arizona, AIAA Paper No. 3504(2005).
8. P. Lovaraju, Vijay Agrawal, E. Rathakrishnan., “Mixing Enhancement of Subsonic and Transonic Jets with Cross-Wire”, *8th Asian Symposium on Visualization*, Chiangamai, Thailand, Paper No. 18, 23-27 May, 2005.
9. P. Lovaraju, E. Rathakrishnan., “Innovative Passive Control for Axis-symmetric Jet”, *8th Asian Symposium on Visualization*, Chiangamai, Thailand, Paper No. 16, 23-27 May, 2005.

National Conference

1. Hemant Sharma, Ashish Vashishtha, P. Lovaraju, E. Rathakrishnan “Effect of a Co-axial Jet on the Supersonic Core of a Mach 2 Jet”, *Fluid Mechanics and Fluid Power*, Birla Institute of Technology and Science Ranchi, December 10-12, 2007, Paper number P-131.
2. Saumya Jain, Sumeet Kumar, MGR Sandeep, Ashish Vashishtha, P. Lovaraju and E. Rathakrishnan “Experimental Studies on High-Speed Co-flow Jets” *Fluid Mechanics and Fluid Power*, Birla Institute of Technology and Science Ranchi, December 10-12, 2007, Paper number P-118.

Conferences Represented

1. The 10th Asian Symposium on Visualization, March 1-5, 2010, SRM University, Chennai, India
2. 2nd International Conference on Recent Advances in Experimental Fluid Mechanics (2nd RAEFM), March 3-6, 2008, K.L College of Engineering, Vijayawada
3. 9th Asian Symposium on Visualization, 4-8 June, Hong Kong, 2007.
4. 25th International Symposium on Shock Waves, July 17-22, IISc. Bangalore. 2005.
5. 41st AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit, 10-13 July 2005, Tucson, Arizona, USA.
6. 8th Asian Symposium on Visualization, 23-27 May, Chiangamai, Thailand, 2005.

Short-Term Courses Organized

1. **Course Co-ordinator-** Short Term Course on **INSTRUMENTATION, MEASUREMENTS AND EXPERIMENTS IN FLUIDS (IMEF)** (for Engineering Faculty, Scientists and Students) **12th -14th December, 2009**, Department of Mechanical Engineering, Lakireddy Balireddy College of Engineering, Mylavaram, on 11th September, 2009.

Work Shops conducted

1. **Conference Secretary and Co-Editor of the Conference Proceedings:**
The 10th Asian Symposium on Visualization, March 1-5, 2010, SRM University, Chennai, India –
2. **Program Co-ordinator:** 2nd International Conference on Recent Advances in Experimental Fluid Mechanics (2nd RAEFM), March 3-6, 2008, K.L College of Engineering, Vijayawada

Research Area: Experimental Aerodynamics

Achievements:

- Cash awards for papers published in AIAA Journal and Journal of Aerospace Engineering (ASCE), awarded by Dean of Resource Planning and Generation, IIT Kanpur.

Number of Ph.D Scholars:

Guided

1. Mr. T. Srinivasa Rao, “Characteristics of High speed Co-Flow Jets” Faculty of Mechanical Engineering, JNTUK-Kakinada, May 2015,

Pursuing

1. Mr. K.B.V.Satya Prakash, Faculty of Mechanical Engineering, JNTUK-Kakinada
2. Mr. V. Mani Kumar, Faculty of Mechanical Engineering, JNTUK-Kakinada
3. Mr. Kedarath Mahapatro, Faculty of Mechanical Engineering, JNTUK-Kakinada