

DR. RAM SUBHASH MAURYA, PhD IIT Madras

Department of Mechanical Engineering

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Personal

- Born on: 31-01-1967
- Stay at: Mira Road (East), Thane-401107

Education

- PhD in Thermo-Fluid from Indian Institute of Technology, Madras
- MTech in Thermal Engineering from National Institute of Technology, Bhopal
- Bachelor of Engineering (Mechanical) from National Institute of Technology, Bhopal

Professional Experience and Skills

18 years of academic experience in engineering education

7 years of research experience

(a) Academic

- Professor grade since July 2009 at SPCE, Mumbai.
- Associate professor grade, January 2006 to June 2009 at SPCE, Mumbai.
- Lecturer (Selection Grade), December 2003 to December 2005 at SPCE, Mumbai.
- Lecturer (Senior Grade), December 1998 to November 2003 at SPCE, Mumbai
- Lecturer, July 1992 to November 1998 at SPCE, Mumbai

(b) Administrative

- General administrative work such as admission, examination, accreditation etc.
- Organizing workshop and short term training program
- Development of laboratories
- Involved in MESA activities
- Gymkhana activities at Institute

(c) Skill

- Guided many under-graduates and post-graduates projects
- C Programming
- CFD Analyst

(d) Associated with

Indian Society for Technical Education – Life Member

Indian Society of Nondestructive Testing - Life member

Indian Society of Heat and Mass Transfer - Life member

- **Course Conducted**

1. Coordinated two week training program on “CFD Fundamentals and Software Training” organized by Mechanical Engineering Department, SPCE during 5-16 July, 2010.
2. Coordinated two day orientation program on “Computational Fluid Dynamics” organized by Mechanical Engineering Department, SPCE during 18-19 September 2009.

- **Research Interest**

Computational Fluid Dynamics and Heat Transfer, Two Phase Flow
Heat exchanger, Thermo-fluid system analysis

- **Research Publications**

International Journals

1. **R S Maurya**, T Sundararajan and S K Das, Development of a PLIC-VOF method for the dynamic simulation of entry region flow in a laminar falling film, *International Journal of computational fluid dynamics* Vol. 23, No. 5. 391-400, 2009.
2. **R S Maurya**, S V Diwakar, T Sundararajan and Sarit K Das, Numerical investigation of evaporation in the developing region of laminar falling film flow under constant wall heat flux conditions', *Numerical Heat Transfer, Part A: Applications*, Vol. 58, No. 1. 41-64, 2010.

International Conferences

1. **Maurya R. S.**, Sarit K. Das., T. Sundararajan, Numerical simulation of a laminar falling film in hydrodynamic entrance region using PLIC-VOF method, *Third International conference on fluid mechanics and fluid power*, December 7-9, 2006, IIT Bombay, Mumbai, India.
2. **Maurya R. S.**, Sarit K. Das., T. Sundararajan, Simulation of laminar falling film's hydrodynamic developing region under the influence of surface tension, *Third International on Thermal Engineering: Theory and applications*, May 21-23, 2007, Amman, Jordan.
3. Nityanand Pawar, **R S Maurya**, Vijay Mali, Numerical Investigation Of Multi-Channel Flow Maldistribution, *4th International Conference on Fluid Mechanics and Fluid Power*, December 16-18, 2010, IIT Madras, Chennai, India.
4. Nityanand Pawar and **R S Maurya**, Flow Maldistribution in a Simplified Plate Heat Exchanger Model-A Numerical Study, *International Conference on Mechanical and Aerospace Engineering*, March 21-23, 2011, New Delhi, India.
5. Sachin B. Ingle and **R S Maurya**, Experimental Investigation of Manifold Induced Flow Maldistribution in U- and Z-Turn Flow Configurations, *International Conference on Mechanical and Aerospace Engineering*, March 21-23, 2011, New Delhi, India.

Technical Articles

1. **R S Maurya**, Vortex Tube: A device for local cooling, *Cooling India*, Nov-Dec 2010, pp.106-112.