

RAGHAVENDRA PRASAD PALLE

Room no. D10, International House, 3701 chestnut, Philadelphia, PA 19104, M: (215)-429-9337 email: pallepr@seas.upenn.edu

EDUCATION

University of Pennsylvania, School of Engineering and Applied Sciences, PA

December'14

Candidate for Masters in Mechanical Engineering

Indian Institute of Technology, Guwahati, India

July'04 – May'08

Bachelor of Technology, Guwahati, India

PROJECTS

Climate Modeling

- Worked as a research assistant during this summer and currently pursuing a thesis project on "Climate modeling, analysis and a case study of southern ocean"

Sustainability Analysis

- Completed an independent study on sustainability analysis of thermal desalination processes

Spring'13

Heat Recovery & Energy

- Fabricated a heat pipe and conducted experiments on "Design of a waste heat recovery system for 3-wheeler auto engine using heat pipes" as my B. Tech term project.

July'07 – April'08

- Conducted experiments on Fluidized bed drier using the samples like Paddy, Saw and bamboo dust etc.

- Assisted in a project dealing with Moisture transfer in building envelopes at IIT Delhi.

Summer'07

Computational Fluid Mechanics

Summer'06

- Developed own codes for computational analysis for 2-Dimensional shock waves formed along a ramp in a channel and 1-Dimensional shock wave analysis in a tube.

WORK EXPERIENCE

Indian Oil Corporation Limited, Panipat, India

July'08 – July'12

Senior Mechanical Engineer

- Assisted commissioning activities of an entire 235.5 MW captive power plant which includes 30MW steam turbines, 25MW gas turbines, 405 T/hr Utility boilers and all the steam, air and water networks.
- Supervised Maintenance activities of the above Power plant and utilities after commissioning.
- Participated in various functions trainings on steam turbines at M/s BHEL, Reciprocating compressors at M/s BPCL, Vibration analysis at M/s Vibrotech and system 1 at M/s GE.

SKILLS & PROFICIENCIES

- Computer languages:** C, C++
- Software:** MATLAB, Ferret, CAMSOL, ANSYS, SAP, Solid edge, CAD, Lab view, Microsoft office, Adobe Photoshop.

AWARDS & RECOGNITION

- Rated as an outstanding performer (top 25%) at Indian Oil Corporation Limited, Panipat for the year 2011.
- Improved the performance of vertical pumps by 50% by proposing material modification for bearing bracket bushes at IOCL.
- Won Pratibha award from the state government of Andhra Pradesh for academic excellence.

LEADERSHIP AND SERVICES

- Residence advisor of International House Philadelphia for the year 2013-'14
- Teaching assistant of MEAM 354 (mechanics of solids, junior level), University of Pennsylvania for the spring-'14 semester.
- Deputy Vice Chair of Student Life committee of GAPSA (Graduate and Professional Student Assembly) for the academic year 2012-'13. Representative of Engineering School in GAPSA for the present and previous academic year.
- Board member of GSEG (Graduate Student Engineering Group) at University of Pennsylvania for the present and previous academic year.
- Member of Penn cricket team at University of Pennsylvania for the year 2012-'13.

OTHER INTERESTS

- English literature, novels and magazines.
- Sports: cricket, volleyball and table tennis.
- Latin American dances: Salsa, Zumba.

References

1. Irina Marinov,
Asst. Professor,
Earth and Environmental Sciences,
University of Pennsylvania,
Philadelphia, PA, 19104,
Email: imarinov@sas.upenn.edu
Phone: 6172309923
2. John Bassani,
Professor,
Mechanical Engineering and Applied Mechanics,
University of Pennsylvania,
Philadelphia, PA, 19104,
Email: bassani@seas.upenn.edu
Phone: 6103570387
3. Michael Beachem,
Associate Director of Resident Life,
International House Philadelphia,
Philadelphia, PA, 19104,
Email: MichaelB@ihphilly.org
Phone: 2158956536