

KANAN PUJARA

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Arlington, TX, 76013
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EDUCATION:

M.S. Mechanical Engineering, University of Texas at Arlington G.P.A: 3.8
Expected graduation: Fall'15
B.E. Mechatronics Engineering, S.P. University, GCET College, India G.P.A: 3.2

RESEARCH INTERN:

IBM, Poughkeepsie, NY (March'15-May'15)

The objective of the research is to determine the corrosion rates of copper & silver under the effect of temperature and relative humidity and gaseous contaminations within the ASHRAE guidelines to determine the IT equipment reliability to prevent premature failures.

Highlights:

- To carry out the specimen preparation that includes cleaning and polishing the sample, fixing thermocouples, bonding the specimen, soldering wires, microscopic analysis of specimen
- Annealing the sample and columetric reduction test
- Calculation for thin film resistance, thermal coefficient of resistance and thickness in various test conditions
- Setting up the experiment, trouble-shooting and data-interpretation and post-processing the results
- Documentation and reports

WORK EXPERIENCE:

CAE/CFD Analyst* **Larsen and Toubro (L&T) Ltd., Bangalore, India (Nov'08 – July'12)**
Design development, flow optimization and thermal management of industrial products and medical devices
Expertise in basic fluid flow and heat transfer problems (steady and unsteady), pure natural convection & mixed convection problems, cooling air supply systems and pipes, heat sink modeling and selection, rotational flows (moving reference frames) and porous modeling

FEA Design Engineer and Operations & Business Development **L&T, Baroda, India (July'12-July'13)**
Finite element meshing of complex assemblies like trucks, motors, engines and pumps.
Business development roles included work like looking for companies who outsources the work done by L&T, preparing capability slides and make business proposals and making cold calls to other companies

SUMMARY:

- Hands on experience with ANSYS Fluent, ANSYS Icepak, Flotherm, Altair HyperMesh, SolidWorks, Creo, Catia, Unigraphics and AutoCAD
- Languages: Matlab, LabVIEW
- Knowledge of MS Excel, PowerPoint and Word
- Strong foundation in Thermal and structures
- Highly developed learning and thinking ability with excellent written and verbal communication skills
- Ability to work diligently alone and even in a group with strong organizational and analytical skills
- Project management, problem solving and sound decision making capabilities, action orientation; creativity, multitasking and manage priorities to meet deadlines; workflow and integrity coupled with excellent communication, interpersonal and teamwork skills

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NATIONAL PUBLICATIONS:

1. Kanan Pujara and Jayaveera Pandian, Characterization and Performance Enhancement of Composite Filtration System, ANSYS-FLUENT User Conference, 2010
2. Prabjit Singh, Levente Klein, Dereje Agonafer, Kanan Pujara, Jimil M. Shah, Effect of Relative Humidity, Temperature and Gaseous and Particulate Contaminations on IT Equipment Reliability, InterPACK Technical Paper Publication, 2015
3. Tejeshkumar Bagul, Kanan Pujara, Dereje Agonafer, Jimil M. Shah, Oluwaseun Awe, Computational Study Of Behavior Of Gas Absorption In Data Center Equipment And Its Effects On The Rate Of Corrosion/Contamination, InterPACK Technical Paper Publication, 2015
4. Upcoming- Kanan Pujara, Prabjit Singh, Dereje Agonafer "Effect of Temperature and Relative Humidity on the corrosion rate of Copper and Silver in the presence of Gaseous Contamination" , ASHRAE Conference, 2015

*Significant Project details showcased in extended CV- available on request