

Robert Smith

Assistant Researcher III

PERSONAL STATEMENT

Able to learn new technologies quickly, work in an agile environment and juggle multiple deliverables. Assist with taking notes during user study sessions.

WORK EXPERIENCE

Assistant Researcher III

ABC Corporation - September 2013 - March 2015

Responsibilities:

- Created a thermal network to predict the temperature rise and power loss of double-row tapered roller bearing, which was validated by experiment.
- Optimized structural design to lower temperature through exploring heat generation and transfer mechanism.
- Coordinate and assist research team in data collection procedures.
- Provide technical and organizational expertise for various research related problems and data.
- Participate in the development of grant applications and preparation of progress reports.
- Incorporated nano particles, aided in doe and data analysis, utilized machine shop such a lathe, drill press, and water jet, wrote reports.
- Generated a solution for the synthesis of ethanol using the theoretical nanoscale properties.

Assistant Researcher

Delta Corporation - 2009 - 2013

Responsibilities:

- Analysis of the Effect of Inlet Oil Supply Time on Elastohydrodynamic Lubrication Performance of Bearng - Established the relationship between oil layer thickness on surface and supply time through oil layer measurement experiment on an oil-air generator.
- Studied point-contact starved lubrication model and film thickness decay model and found the optimal oil supply time and oil supply interval for establishment of effective lubrication.
- Ai S., Wang W., Zhao Z., "Analysis of the effect of inlet oil supply time on elastohydrodynamic lubrication performance under oil-air condition", Tribology, China, 2015, 35(1)17.
- Link
http://www.tribology.com.cn/ch/reader/view_abstract.aspxfile_no=20150101&flag=1 Skills Used - Literature Review, Modeling and Simulation, Academic Research and Experiment.
- Lubrication, Numerical Calculation, Tribology and Materials.
- FORTRAN, Origin, FEA, Office.
- Presentation, Technical Writing, Communication, Teamwork, Self-Motivated.

CONTACT DETAILS

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Alabama
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www.qwikresume.com

SKILLS

Mechanical Design,
Manufacturing, Thermal
Analysis, C.

LANGUAGES

English (Native)
French (Professional)
Spanish (Professional)

INTERESTS

Climbing
Snowboarding
Cooking
Reading

REFERENCES

Reference - 1 (Company
Name)
Reference - 2 (Company
Name)

Education

M.S. in Mechanical Engineering - (Beijing Institute of Technology)