

Mohammad Borumand

Education

- 08/18–Present **PhD Student Mechanical Engineering**, Wichita State University, Wichita, KS
 - o Advisor : G. Hwang, GPA: 3.92
- 09/14–09/17 **M.Sc Mechanical Engineering** , University of Tehran, Tehran, Iran
- 09/08–09/13 **B.Sc Mechanical Engineering**, Persian Gulf University, Bushehr, Iran

Teaching Experience

- o Teaching Assistant - ME325 - Spring 2021, Fall 2020, Spring 2020, Fall 2019 - Wichita State University.
- o Teaching Assistant - ME533L, ME398 - Spring 2019 - Wichita State University.
- o Teaching Assistant - ME522 - Summer 2019 - Wichita State University.
- o Teaching Assistant - ME730 - Fall 2018 - Wichita State University.
- o Teaching Assistant - Fluid Mechanics I, Thermodynamics II - Spring 2012 - Persian Gulf University.
- o Teaching Assistant - Mathematics I, Physics I - Fall 2010 - Persian Gulf University

English Test Scores

- o TOEFL IBT : **108/120**
- o GRE : **311/340**

Computer Skills

- o Fortran, Matlab
- o Ansys Fluent, COMSOL
- o \LaTeX , Microsoft Office
- o SolidWorks, AutoCAD

Publications and Presentations

- o M. Borumand, S. Esfandiarpour B., M. Ausherman, G. Madiraddy, S. Nannapaneni, M. Sealy, G. Hwang, "Process Mapping of Additively-Manufactured Metallic Wicks using Bayesian Approach" Graduate Research and Scholarly Projects (GRASP) Symposium, Wichita State University, 04/2021.
- o M. Borumand and G. Hwang, "Enhanced Pool Boiling Critical Heat Flux on Tilted Heating Surfaces using Columnar-Post Wicks" , The ASME 2021 International Mechanical Engineering Congress and Exposition, IMECE 2021, Virtual Conference, 11/2021 (Submitted).
- o M. Borumand, S. Esfandiarpour B., M. Ausherman, G. Madiraddy, S. Nannapaneni, M. Sealy, G. Hwang, "Process Mapping of Additively-Manufactured Metallic Wicks using Bayesian Approach" , The ASME 2021 International Mechanical Engineering Congress and Exposition, IMECE 2021, Virtual Conference, 11/2021 (Submitted).
- o M. Borumand, T. Lee, G. Hwang, "Enhanced Wickability of Thin Non-uniform Sintered Particle Wicks using Lattice Boltzmann Method", The ASME 2020 International Mechanical Engineering Congress and Exposition, IMECE 2020, Virtual Conference, 11/2020.
- o M. Borumand, G. Hwang, "High Heat Flux Two-phase Thermal Control System using Non-uniform Capillary Evaporator" The 49th International Conference on Environmental Systems, ICES-2019, Boston, MA, USA, 07/2019.
- o M. Borumand and G. Hwang, "Enhanced Critical Heat Flux of Flow Boiling Using Columnar-Post Wick", Poster Presentation at the Graduate Research and Scholarly Projects (GRASP) Symposium, Wichita State University, 04/2019.