Bingxu Wang

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CAREER FOCUS

Actively seeking a reviewer position in a journal

EDUCATION

Oakland University (01/ 2016-Present)
Ph.D, Mechanical Engineering GPA: 3.98 Rochester, MI
Oakland University (09/2012-12/2015)
B.S., Mechanical Engineering GPA: 3.91 Rochester, MI
Changchun University of Technology (09/2011-08/2012)
Bachelor, Mechanical Engineering & Automation Jilin, China

PROJECT/RESEARCH EXPERIENCES

PROJECT

1. Mat 057 Decoupled Project of FCA USA LLC - Study of Ausferrite Transformation Kinetics for Austempered Ductile Irons with and without Ni (11/2014-06/2015)
2. FCA USA LLC - Rolling Contact Fatigue Resistance of Austempered Ductile Iron Processed at Various Austempering Holding Times (01/2015-05/2016)
3. Lin2Line Coatings - Tribological Performance of New Polymer Coating for Engine Liner (01/2016-06/2016)
4. FCA USA LLC - Durability Testing of Room Temperature Vulcanizing Gasket Material (01/2017-07/2017)
5. FCA USA LLC - Enhancement Manifold Bolt Durability (05/2017-07/2017)
6. U.S. Automotive Materials Partnership LLC - Standard Reference Tensile Curve Database for Through Hardened Steel (funded by USCAR, 03/2017-Present)

ACADEMIC RESEARCH

1. Tribological Characteristics of Oil-Based ZnO Nanofluids Applied on Brass (05/2015-02/2016)
2. Characteristics of the Transformation of Retained Austenite in Tempered Austempered Ductile Iron(09/2015-08/2016)
3. Tribological Behavior of SnO2 Nanoparticles as an Oil Additive on Brass (02/2016-02/2017)
4. Characteristics of Tempering Responses of Austempered Ductile Iron (11/2016-03/2017)
5. Storage Battery Enclosure Design (09/2015-12/2015)
6. Automatic Pet Feeding Device and Water Dispenser (01/2013-05/2013)

WORKING EXPERIENCES

Oakland University (01/2016 -Present)
Graduate Research Assistant in Automotive Tribology Lab
Oakland University (05/2016-08/2016)
Graduate Teaching Assistant

TECHNICAL SKILLS

1. CATIA, SOLIDWORKS, ANSYS APDL, ANSYS Workbench, MATLAB
2. METALLURGICAL ANALYSIS FOR STEEL AND CAST IRON
3. MICROSOFT OFFICE (WORD, EXCEL, POWERPOINT)

PUBLICATIONS

1. Wang, B., Barber, G., He, M., Sun, X., Slattery, B. et.al, "Study of Ausferrite Transformation Kinetics for Austempered Ductile Irons with and without Ni," SAE Technical Paper 2016-01-0421, 2016, doi:10.4271/2016-01-0421
2. Wang, B., Barber, G., Sun, X., Shaw, M., Seaton, P., "Characteristics of the Transformation of Retained Austenite in Tempered Austempered Ductile Iron," Journal of Materials Engineering and Performance, 2017, https://doi.org/10.1007/s11665-017-2663-1
3. Wang, B., Barber, G., Tao, C., Sun, X., Xu, R., "Characteristics of Tempering Responses of Austempered Ductile Iron," Journal of Material Research and Technology, 2017
4. Wang, B., He, M., Barber, G., J.David, S., Tao, C., Sun, X., "Rolling Contact Fatigue Resistance of Austempered Ductile Iron Processed at Various Austempering Holding Times," Wear, 2017, DOI10.1016/j.wear.2017.11.022
5. Tao, C., Wang, B., Barber, G., J.David, S., Lan, H., "Tribological Behavior of SnO2 Nanoparticles as an Oil Additive on Brass," Lubrication Science, 2017 (Being Reviewed)

6. Wu, Z., Zhang, G., Wang, B., Shih, K., "Experimental Investigation on Solid State Resistance Spot Welding," ASME, 2017
7. Wang, B., Barber, G., Tao, C., Han, X., Sun, X., "Tribological Performance of of Austempered and Tempered Ductile Iron," Advanced Engineering Materials, 2017 (Being Reviewed)

ORGANIZATIONS/GROUPS

1. Tau Beta Pi Chapter-The Engineering Honor Society
2. Golden Key International Honor Society
3. SAE International Membership
4. CCUT-OU Alumni Association Director

AWARDS

1. Full Scholarship
2. Professional Development Award (2016)
3. Impressive Undergraduate Student (2015)

PERSONAL STATEMENT

I am so wishful and motivated for strengthening my ability and skills and enriching my experiences. I can adapt to a new environment soon.