Curriculum Vitae

Bin Li, Ph.D.

Assistant Professor
Department of Mechanical Engineering
Wichita State University
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EDUCATION

- **Ph.D.**, **Mechanical Engineering**, Washington State University, Pullman, WA 08/2008 - 08/2012 *Advisor: Prof. Weihong (Katie) Zhong*
- **M.E.**, **Polymer Processing Engineering**, Sichuan University, China 09/2005 - 07/2008, *Advisors: Prof. Banghu Xie* and *Dr. Guan Gong*
- **B.E.**, **Polymer Science and Engineering**, Sichuan University, China 09/2001-07/2005 *Advisors: Prof. Banghu Xie and Dr. Guan Gong*

ACADEMIC APPOINTMENTS

- **Assistant Professor**, Wichita State University, KS, 08/2013-Present
- **Assistant Research Professor**, Washington State University, WA, 08/2012- 08/2013
- **Graduate Research Assistant**, Washington State University, Pullman, WA, 08/2008 - 08/2012
- **Graduate Teaching Assistant**, Materials Science (MSE 201), Washington state University, Pullman, WA, 01/2010- 05/2010
- **Graduate Research Assistant**, Sichuan University, China, 08/2005-07/2008

TEACHING

- **Instructor:** ME751C Advanced Electronic Materials, Wichita State University, Kansas, Fall 2014-Present.
- **Instructor**: ME 250 Materials Engineering, Wichita State University, Wichita, Kansas, Fall 2013-Present
- **Instructor:** MSE 404 Engineering Composites, Washington State University, Pullman, WA, Spring 2013
- **Instructor**: MSE 508, Polymer nanocomposites and Functionalities, Washington State University, Pullman, WA, Spring 2013.
- **Surrogate Lecturer:** Polymer Materials (MSE 402), for Prof. W. H. Zhong, Washington State University, Pullman, WA, Fall, 2011
- **Surrogate Lecturer:** Materials Science (MSE 201), for Prof. I. Dutta, Washington State University, Pullman, WA, Spring 2010

STUDENT SUPERVISING

- **Doctoral Dissertation Advising:**

- *Zhuoyuan Zheng*, Wichita State University, Wichita, KS, 08/2014-present
- *Neda Tehrani*, Wichita State University, Wichita, KS, 08/2014-present
- *McCord Cox*, Wichita State University, Wichita, KS, 06/2014- present

- **Master Thesis / Project Advising**:
  - Soheil Rashidi, Wichita State University, Wichita, KS, 10/2014- present.
  - Ransilu Pattiyage, Wichita State University, Wichita, KS, 11/2013- present
  - *Aasish Jaiswal*, Wichita State University, Wichita, KS, 11/2013- present
- **Senior Thesis supervising:**
  - *Veronica Perez*, Washington State University, Pullman, WA, 08/2012 – 05/2013
  - *Loren Baker, Anthony Perugini* and *Erik Olson*, with Prof. W.H. Zhong, Washington State University, Pullman, WA, 08/2008- Present
  - *Lu Dai, Jin He, Yaxin Zheng, Xiongwei Shu* and *Qingsong Zhang*, with Prof. B.H. Xie, Sichuan University, Chengdu, Sichuan, China, 02/2006-06/2008
  - ***1 paper published in "Polymer"***
- **REU student co-supervisor:**
  - *Michelle Tsui* from University of California, Berkeley, summer, 2012
  - *George Goering* from Washington State University, June- July, 2012
  - *Veronica Perez* from Washington State University, summer, 2013
  - ***1 paper is in preparation***

JOURNAL REFEREE

- Advanced Materials
- Chemical Communications
- RSC advances
- Small
- Journal of Materials Chemistry- A
- Journal of Materials Chemistry- C
- Materials
- Journal of Applied Polymer Science
- Journal of Intelligent Material Systems and Structures
- Journal of Sandwich Structures and Materials
- New Journal of Chemistry
- Science and Engineering of Composite Materials
- Journal of Materials Science
- Materials Chemistry and Physics
- Composite Science and Technology
- Surface and Coatings Technology
- Proceedings of the Institution of Mechanical Engineers, Part J, Journal of Engineering Tribology

RESEARCH

Research Interests

- Polymers and polymer nanocomposites; manufacturing, non-destructive evaluation, and multi-functionalities: electrical, dielectric, damping, thermal, etc
- Structural materials for aerospace and automotive applications
- Sustainable energy materials

- Porous structural materials
- Nanomaterials and Nanostructures: manufacturing and functionalization

Funded Grant Proposal:

1. Kansas NSF EPSCoR, **PI: Bin Li** "New Solid Polymer Electrolyte Materials for Next Generation Lithium Batteries" June, 2014, $126,777

Research Projects as Primary Research Assistant

1. Boeing & SABIC-IP, "Multi-functional Polymeric Materials (MPM) for Reduced Weight of Airplane Interior Materials, Improved Fuel Efficiency and Decreased Fabrication Costs: Materials, Modeling and Processing", in collaboration with King Abdulla University of Science and Technology. PI: Prof. W.H. Zhong
2. Boeing Co., "Multifunctional Nanofoamed Thermoplastic Nanocomposites for Reduced Profusion of Airplane Interior Materials and Improved Fuel Efficiency", in collaboration with Boeing Co. and University of Washington. PI: Prof. W.H. Zhong
3. NSF GOALI, "Fabrication of Multifunctional Nanofoams from Polymer Nanocomposites", in collaboration with University of Washington and Boeing Co.. PI: Prof. W.H. Zhong
4. NSF NIRT, "Total Chemical Synthesis, Property and Modeling Studies of Nanoparticle/Polymer Hybrid Materials", in collaboration with North Dakota State University and University of Central Florida. Co-PI: W. H. Zhong

PATENT APPLICATION

- Flexible Solid-State Conductors, W. H. Zhong, J.Y. Ji, and **B. Li**, Patent No.:8,772,254 B2, May, 2014.
- Functionalized Porous Polymer Nanocomposites via Introducing Functional Components into Emulsion Systems W. H. Zhong, Y. Wang, and **B. Li**, submitted, 2013
- Gummy electrolytes with thermal protection capability, W. H. Zhong, Y. Wang, and **B. Li**, US-864369, 2013
- Highly Conductive and Damping Capable Polymer/Graphitic Carbon Nanofiller Composites Via a Novel Flexible Conjugative Copolymer Modification, W.H. Zhong and **B. Li**, # 61/424,155, WSU, December, 2010.
- Organic metamaterials, W. H. Zhong and **B. Li**, #61/163,144, WSU, March, 2009

PUBLICATIONS

Book and Book Chapters

Book 1: B. Li and W. H. Zhong: *Polymer Nanocomposites for Dielectrics*, (in writing, **9** chapters in total), Pan Stanford Publishing Pte. Ltd., to be submitted in Nov. 2014.

Book 2: as the lead author for 7 chapters of the 12-chapter book "*Nanoscience and Nanomaterials: Lab to Society*, DEStech publications, Inc., July, 2011. (ISBN: 978-1-60595-013-6)

B. Li, W. H. Zhong, Chapter 1 Introduction

B. Li, W. H. Zhong, Chapter 2 Vapor-Phase Synthesis

B. Li, W. H. Zhong, Chapter 3 Liquid-Phase synthesis

B. Li, W. H. Zhong, Chapter 4 Solid-Phase Synthesis

B. Li, W. H. Zhong, Chapter 5 Biological System-Assisted Synthesis

B. Li, W. H. Zhong, Chapter 6 Synthesis of Nanocarbon

B. Li. W. H. Zhong, Chapter 7 Nanoscale Processing and Nanopatterning Techniques

Peer-reviewed Journal Papers

Papers in preparation

1. M. Tsui, V. Perez, **B. Li**, M. Pierce, J. Y. Ji and W. H. Zhong, Static Dissipation Properties of Polycarbonate /Graphite Nanoplatelet Composites Modified by Soy Protein Isolate, Aug.,2013. *(As supervisor of Tsui and Perez.)*

Submitted Papers

2. A. Eyler, *Y. Wang*, **B. Li**, W. H. Zhong, Ion-induced Effective Control of Morphologies of Soy Protein Biocomposites, *Journal of Materials Science*, July, 2014

Published Papers

3. B. Geng, Y. Wang, **B. Li** and W. H. Zhong, Segregated polymeric nanocomposites with tunable three-dimensional network of nanoparticles by controlling the dispersion and distribution, *RSC Advances*, 2014, 4, 51872
4. Y. Wang; W.H. Katie Zhong, T. Schiff; A. Eyler; **B. Li**; Particle-controlled high performance gum-like electrolyte for safe and flexible energy storage devices, *Advanced Energy Materials*, http://dx.doi.org/10.1002/aenm.201400463, 2014
5. T. Liu, **B. Li**, B. Lively, A. Eyler and W. H. Zhong, Enhanced Wear Resistance of High-Density Polyethylene Composites Reinforced by Organosilane-Graphitic Nanoplatelets, *Wear*, 2014, 309, 43
6. Y. Wang, **B. Li**, J. Y. Ji and W. H. Zhong, Controlled Li+ conduction pathway to achieve enhanced ionic conductivity in polymer electrolytes, *Journal of Power Sources*, 2014, 247, 492
7. Y. Wang, **B. Li**, J. Y. Ji, A. Eyler and W. H. Zhong, A "Gummy" Electrolyte: Safety of a Solid, Performance of a Liquid, *Advanced Energy Materials*, 2013, 3, 1557.
8. **B. Li**, C. W. Tang, T. Liu and W. H. Zhong, Fabrication and Characterization of Flexible High Performance Thermoplastic Foam Derived from Rigid Polyetherketoneketone via a VOC- Free Foaming Technique, *Journal of Materials Science*, 2013, 48, 3517.
9. T. Liu, W. Wood, **B. Li**, B. Lively and W.H. Zhong, Effect of Reinforcement on Wear Debris of Carbon Nanofiber/High Density Polyethylene Composites: Morphological Study and Quantitative Analysis, *Wear*, 2012, 294-295, 326.
10. C. W. Tang, **B. Li**, L. L. Sun, B. Lively and W. H. Zhong, The Effects of Nanofillers, Stretching and Recrystallization on Microstructure, Phase Transformation, and Dielectric Properties in PVDF Nanocomposites, *European Polymer Journal*, 2012, 48, 1062.
11. J. Y. Ji, **B. Li**, W. H. Zhong, Effect of Soy Protein on the Crystallization and Dielectric Properties of PEG and PEG Copolymer, *Macromolecular Chemistry and Physics*, 2012,213,757
12. J. Y. Ji, **B. Li**, W. H. Zhong, An Ultra Elastic Poly(ethylene oxide)/Soy Protein Film with Fully Amorphous Structure, *Macromolecules*, 2012,45, 602.
13. E. Ten, D. Bahr, **B. Li**, L. Jiang and M. P. Wolcott, Effects of Celllulose Nanowhiskers on Mechanical, Dielectric, and Rheological Properties of Poly(3-hydroxybutyrate-co-3 hydroxyvalerate)/Cellulose Nanowhisker Compoistes, *Industrial & Engineering Chemistry Research*, 2012, 51, 2941
14. C.W. Tang, L. L. Sun, **B. Li**, and W.H. Zhong, Structurally Induced Dielectric Constant Promotion and Loss Suppression for Poly(vinylidene fluoride) Nanocomposites. *Macromolecular and Materials Engineering*, published online, 2012, 297, 420.

15. **B. Li**, E. Olson, A. Perugini and W. H. Zhong, Simultaneous Enhancement in Damping and Static Dissipation Capability of Polyetherimide Composites with Organosilane Surface Modified Graphene Nanoplatelets, *Polymer*, 2010, 52, 5606.
16. **B. Li**, T. Liu and W. H. Zhong, High Modulus Aliphatic Polyimide from 1, 3-Diaminopropane and Ethylenediaminetetraacetic Dianhydride: Water Soluble to Self-Patterning, *Polymer,* 2011, 52, 5186.
17. **B. Li**, T. Liu, C.W. Tang, J. Y. Ji and W. H. Zhong, Novel Hydration Induced Flexible Sulfonated Poly(etherketoneketone) Foam with Super Dielectric Characteristics, *Journal of Materials Chemistry*, 2011, 21, 13546. (**Highlighted by Health and Medicine Week,** September, 19th, 2011, Page 1792)
18. T. Liu, W. Wood, **B. Li**, B. Lively and W.H. Zhong, Electrical and Dielectric Sensitivity to Thermal Processes in Carbon Nanofiber/High-Density Polyethylene Composites, *Science and Engineering of Composie Materials*. 2011, 18, 51.
19. **B. Li** and W. H. Zhong, Review on Polymer/Graphite Nanoplatelet (GNP) Nanocomposites, *Journal of Materials Science*, 2011, 46, 5595. (**Invited anniversary review**)
20. B. Lively, S. Kumar, T. Liu, **B. Li**, W. H. Zhong, Mechanical, Thermal and Morphological Characterization of Polycarbonate / Oxidized Carbon Nanofiber Composites Produced with a Lean 2-Step Manufacturing Process, *Journal of Nanotechnology and Nanoscience*, 2010, 11, 1.
21. L. L. Sun, **B. Li**, Z. G. Zhang and W. H. Zhong, Achieving Very High Fraction of β-Crystal PVDF and PVDF/CNF Composites and Their Effect on AC Conductivity and Microstructure through a Stretching Process, *European Polymer Journal*, 2010, 46, 2112.
22. **B. Li** and W. H. Zhong, Effective Static Dissipation of Bi-layer Thermoplastic Composites with Low Carbon Nanofiber Loading. *Macromolecular and Materials Engineering,* 2010, 295, 1136.
23. J. Y. Ji, **B. Li** and W. H. Zhong, Simultaneously Enhancing Ionic Conductivity and Mechanical Properties of Solid Polymer Electrolytes via a Copolymer Multi-functional Filler, *Electrochimica Acta*, 2010, 55, 9075.
24. J. Y. Ji, **B. Li** and W. H. Zhong, Effects of a Block Copolymer as Multifunctional Fillers on Ionic Conductivity, Mechanical Properties and Dimensional Stability of Solid Polymer, *The Journal of Polymer Chemistry B,* 2010, 114, 13637.
25. S. Kumar, B. Lively, L. L. Sun, **B. Li** and W. H. Zhong, Highly dispersed and electrically conductive polycarbonate/oxidized carbon nanofiber composites for electrostatic dissipation applications, *Carbon*, 2010, 48, 3846.
26. L. L. Sun, **B. Li**, G. Mitchell, W. H. Zhong and Y. Zhao, Structure-induced High Dielectric Constant and Low Loss of CNF/PVDF Composites with Heterogeneous CNF Distribution, *Nanotechnology*, 2010, 10, 305702.
27. L. L. Sun, **B. Li**, Y. Zhao and W. H. Zhong, Suppression of AC Conductivity by Crystalline Transformation in Poly(vinylidene fluoride)/Carbon Nanofiber Composites, *Polymer*, 2010, 51, 3230.
28. **B. Li** and W.H. Zhong, Influence of Carbon Nanofiber Network Variability on the Pronounced AC Conductivity of the Polyetherimide Composite Films, *Macromolecules and Materials Engineering*, 2010, 295, 310.
29. **B. Li,** W. Wood, L. Baker, G. Sui, C. Leer and W. H. Zhong, Effectual Dispersion of Carbon Nanofibers in Polyetherimide Composites and Their Mechanical and Tribological Properties, *Polymer Engineering and Science*, 2010, 50, 1914. (**Featured on *SPE research online*, Society of Plastics Engineers, July 21st, 2010**)
30. W. Wood, **B. Li** and W. H. Zhong, Influence of Phase Morphology on the Sliding Wear of UHMWPE/HDPE Blends Filled with Carbon Nanofibers, *Polymer Engineering and Science*, 2010, 50, 613.
31. G. Gong, **B. Li**, B. H. Xie, W. Yang and M. B. Yang, Anomalous Melt Rheological Properties of Unimodal-MWD HDPE Blends, *Polymer-Plastics Technology and Engineering*, 2010, 49, 487.

32. S. Kumar, L. L. Sun, S. Caceres, **B. Li**, W. Wood , A. Perugini, R. G. Maguire and W. H. Zhong, Dynamic Synergy of Graphitic Nanoplatelets and Multi-walled Carbon Nanotubes in Polyetherimide Nanocomposites, *Nanotechnology*, 2010, 21, 105702.
33. **B. Li**, G. Sui and W. H. Zhong, Single Negative Metamaterials in Unstructured Polymer Nanocomposites toward Selectable and Controllable Negative Permittivity, *Advanced Materials*, 2009, 21, 4176. (**Featured as "Advances in Advance")**
34. G. Sui, **B. Li**, W. H. Zhong, G. Bratzel and X. P. Yang, Carbon Nanofiber/Polyetherimide Composite Membranes with Special Dielectric Properties, *Soft Matter*, 2009, 5, 3593.
35. S. Kumar, **B. Li**, S. Caceres and W. H. Zhong, Dispersion and Dramatic Property Enhancement in Polyetherimide/Functionalized Multiwall Carbon Nanotube Composites via Facile Solution Processing Method, *Nanotechnology,* 2009, 20, 465708.
36. **B. Li**, G. Gong, B. H. Xie, W. Yang and M. B. Yang, Influence of Molecular Weight on Impact Fracture Behaviour of High Density Polyethylene: Scanning Electron Micrograph Observations, *Journal of Applied Polymer Science*, 2008, 109, 1161.
37. B. R. Sheng, **B. Li**, B. H. Xie, W. Yang, J. M. Feng and M. B. Yang, Influences of Molecular Weight and Crystalline Structure on Fracture Behavior of Controlled-Rheology-Polypropylene Prepared by Reactive Extrusion, *Polymer Degradation and Stability*, 2008, 93, 225.
38. **B. Li**, G. Gong, B. H. Xie, W. Yang, M. B. Yang and S. M. Lai, Fracture Behaviour of Polypropylene Sheets Filled with Epoxidized Natural Rubber (ENR)-Treated Coal Gangue Powder, *Journal of Materials Science*, 2007, 42, 3856.

Conference Papers / Presentations (Speaker underlined)

1. **B. Li**, Multifunctional Nanocomposites: Development, Assessment and Sustainability, 2014 , SAMPE Wichita Chapter, April 22nd
2. **B. Li** and W. H. Zhong, Flexible Sulfonated Poly (etherketoneketone) for Energy Efficient Applications, *2011 World Materials Summit*, October 8th-12th, Washington D.C.. (Poster presetation)
3. **B. Li** and W. H. Zhong, Porous Sulfonated Poly(etherketoneketone) with Extremely High Dielectric Constant and Low Loss, *ANTEC conference 2011,* May 1st, Boston, MA. (Poster Presentation)
4. E. Olson, **B. Li** and W. H. Zhong, Study on Damping Properties and Static Dissipation Properties of Polyetherimide/Graphite Nanoplatelets Nanocomposites, *ANTEC conference 2011,* May 1st, Boston, MA. (Poster Presentation, tutor of E. Olson)
5. E. Olson, **B. Li**, and W.H. Zhong, Effect of Surface Treatment of Graphite Nanoplatelet on Damping Properties of Polyetherimide Nanocomposites, *161st Meeting of the Acoustical Society of America,* May 23rd, 2011, Seattle, WA. (**Invited talk**, tutor of E. Olson)
6. **B. Li**, and W. H. Zhong, Bi-layer Thermoplastic Nanocomposites with High Static Dissipation Efficiency, *2010 NSF CMMI Grantee Conference*, January 4th -7th, Atlanta, GA. (**Full paper** and poster presentation)
7. **B. Li**, G. Sui and W. H. Zhong, Investigation on Mechanisms of Negative Permittivity in Polyetherimide/Carbon Nanofiber Composites, *SAMPE conference 2010,* May 17th-20th, Seattle, WA. (**Full paper**)
8. **B. Li**, W. Wood, G. Sui, L. Baker and W. H. Zhong, Flexural and Tribological Properties of Carbon Nanofiber Reinforced Polyetherimide Composites, *SAMPE conference 2010,* May 17-20, 2010, Seattle, WA. (**Full paper**)
9. B. Lively, S. Kumar, **B. Li,** C. Ren, W. H. Zhong, Relationship of Mixing Method-Dispersion-Property of Oxidized Carbon Nanofiber/Graphite Nanoplatelet Composites, *SAMPE conference 2010,* May 17th-20th, Seattle, WA. (**Full paper**)

10. H. Han, **B. Li**, Q. Yao, W.H. Zhong, Y. Qiang, Negative Permittivity and Permeability Metamaterials of Polymer- Based Nanocomposite, *Bulletin of the American Physical Society, APS March Meeting*, 2010, V55, No. 2. (**Full paper and oral presentation**)
11. **B. Li**, W. H. Zhong, Negative Permittivity in Polymer Nanocomposites: Influences of Size Distribution of Carbon Nanofiber Networks, *139th TMS Annual Meeting & Exhibition,* February 14th-18th, 2010, Seattle, WA. (**Invited talk, full Paper**)
12. A. Perugini, **B. Li** and W. H. Zhong, Study on Damping Properties of Polyetherimide/Graphite Nano-Platelet Composites, 139th TMS Annual Meeting & Exhibition, February 14th -18th, 2010, Seattle, WA. (**Invited talk**, tutor of A. Perugini)
13. L. L. Sun, **B. Li**, W.H. Zhong and Y. Zhao, Study on AC Conductivity Affected by Crystallization and CNFs for PVDF/CNF Thin Films, *139th TMS Annual Meeting & Exhibition*, February 14th -18th, 2010, Seattle, WA.
14. N. J. Vaccaro, W. Li, **B. Li** and W. H. Zhong, Nanofoamed High Performance Polymer Nanocomposites, *37th North American Manufacturing Research Conference*, May 19th -22th, 2009, Greenville, SC. (**Full paper**)
15. **B. Li** and W. H. Zhong, A Resonance-invigorated Negative Permittivity Polymeric Nanocomposite with Greatly Enhanced AC/DC Conductivity Ratio, *2009 NSF CMMI Grantee Conference*, June 22th-25th, Honolulu, HI. (**Full paper** and poster)
16. **B. Li** and W. H. Zhong, Mechanical and Physical Properties of Polyetherimide/CNF Composites Fabricated by Different Method, *17th annual International Conference on Composites /Nano Engineering (ICCE -17)*, July 26th - August 1st, 2009, Honolulu, HI. (**Expanded abstract**, Speaker: Weston Wood)
17. W. Li, N. J. Vaccaro, W. H. Zhong and **B. Li,** Nanofoamed High Performance Polymer Nanocomposites, *2009 NSF CMMI Grantee Conference*, June 22th-25th, Honolulu, HI. (**Full paper** and poster)
18. N. J. Vaccaro, W. Li, **B. Li** and W. H. Zhong, The Effects of Mixing and Loading of Carbon Nanofiber on Mechanical Properties of Polyetherimide Nanofoams, *38th North American Manufacturing Research Conference*, May 25th-28th, 2010, Kingston, Ontario, Canada. (**Full paper**)
19. **B. Li**, B. H. Xie, W. Yang and M. B. Yang, Essential Work of Fracture of Compression Molded Polyethylene Materials, *2007 National Polymer Conference of China*, October 9th – 13th , Chengdu, China. (Post Presentation)

Internal presentations/seminars at WSU (Speaker underlined)

1. **B. Li**, Successful Investiture of Nanofiller Dispersion in Nanocomposites, MME Symposia, Washington State University, Feb.24th, 2011.(by **invitation**)
2. **B. Li**, Successful Investiture of Nanofiller Dispersion in Nanocomposites, Materials Science and Engineering Program Colloquia, Washington State University, Feb. 4th, 2011. **(Invited seminar, first of two doctoral students honored to give a talk to date**)
3. **B. Li**, W. H. Zhong, Bi-layer Thermoplastic Nanocomposites with High Static Dissipation Efficiency, Wiley Exposition of Graduate and Professional Studies, Washington State University, November, 2010.
4. **B. Li**, W. H. Zhong, A Novel Approach to Study the Dispersion of Polymer Nanocomposites via AC/DC Conductivity Ratio, Wiley Exposition of Graduate and Professional Studies, Washington State University, November. 2010.
5. J. Y. Ji, **B. Li**, W. H. Zhong, A Solid Polymer Electrolyte for Lithium Ion Battery Application, Wiley Exposition of Graduate and Professional Studies, Washington State university, November, 2010.

6. **B. Li** and W. H. Zhong, Strong Influence of Carbon Nanofiber Network Variability on the Pronounced Permittivity and AC Conductivity of PEI Composite Films, Wiley Exposition of Graduate and Professional Studies Washington State University, November, 2009.
7. **B. Li** and W. H. Zhong, Novel Polymer Nanocomposites with Negative Permittivity, Wiley Exposition of Graduate and Professional Studies, Washington State University, November, 2008.

PROFESSIONAL MEMBERSHIP

- **Member**, Society of Plastics Engineers, 2011- Present
- **Member**, The Minerals, Metals & Materials Society (TMS), 2010- Present
- **Member**, Society for the Advancement of Material and Process Engineering (SAMPE), 2010-Present
- **Member**, American Chemical Society (ACS), 2010- Present
- **Member**, Materials Research Society (MRS), 2010-Present

SERVICES

- **ME Undergraduate Curriculum Committee**, Wichita State University, KS, 10/2014- present
- **ME Chair Search Committee**, Wichita State University, KS, 08/2013-07/2014
- **Co-chair**, SAMPE conference 2010, "Nanocomposites I" session, Seattle, WA, May 17th, 2010
- **Co-chair,** 13^{9th} TMS annual meeting & exhibition, "Polymer Nanocompsosites: CNF and CNT" session, Seattle, WA, February 1^{7th}, 2010
- **Co-chair,** 139th TMS annual meeting & exhibition, "Polymer Nanocomposites: Metals and Other Nanoparticles" session, Seattle, WA, February 17th, 2010
- **Associate Consultant** for Boeing Scholars Senior Design Project Team: Dylan Fate (Electrical Engineering Major) and Kelly Ann Fitzgerald (Chemical Engineering Major), Washington State University, October, 2011

HONORS AND AWARDS

- **2011 World Materials Summit Student Congress**, Material Research Society, Washington D.C., October 8-12, 2011
- **2nd place, Boeing Flightglobal Achievement Awards: Boeing Engineering Student of the Year,** 2010
- **WSU Graduate School Doctoral Scholarship**, Washington State University, 2010
- **Highest rating in TA evaluation (among 5 levels)**, Washington State University, School of Mechanical and Materials Engineering, Spring, 2010
- **Outstanding PhD Student Researcher Award** 2009-2010, Washington State University, School of Mechanical and Materials Engineering, 2010
- **Grfdaduate School Travel Grant Award**, Washington State University, 2009
- **Excellent Graduate (Master) Student Award**, Sichuan University, 2008
- **Annual Award of Excellent Graduate Student, First (Highest) Grade**, Sichuan University, 2007
- **Annual "General Electric" (China) Scholarship**, Sichuan University, 2006
- **Annual Award of Excellent Students**, Sichuan University, 2004
- **Annual Award of Excellent Students**, Sichuan University, 2002