

Mohammad Kamal Hossain, PhD, Associate Professor, Mechanical Engineering, Tuskegee University, Publications and Presentations (2008-2017)

Book

1. **Mohammad Kamal Hossain**, “Stress Corrosion Cracking and Hydrogen Embrittlement of Alloy EP-823.” Lambert Academic Publishing, Germany, ISBN: 978-3-8383-6016-4.

Book Chapter

1. **Mohammad Kamal Hossain** “Scanning Electron Microscopy Study of Fiber Reinforced Polymeric Nanocomposites.” **Book: Scanning Electron Microscopy edited by Viacheslav Kazmiruk**, InTech Publisher, ISBN 979-953-307-309-4.
2. **Mohammad Kamal Hossain**, Shamim Ara Begum, “Nanophased Cellulose-Based Structural Composite.” **Book: Cellulose and Cellulose Derivatives: Synthesis, Modification, Nanostructure and Applications edited by Dr. Ibrahim Mondal**. Nova Publishers, ISBN 978-1-63483-885-6.

Refereed Journal Publications

1. M. E. Hossain, **M. K. Hossain**, M. V. Hosur, and S. Jeelani, Effect of dispersion conditions on the thermal and mechanical properties of carbon nanofiber-polyester nanocomposites”, *Journal of Engineering Materials and Technology*, 137: 031005-9, **2015**.
2. **Hossain M.**, Chowdhury M. M. R., Salam M. B. A., Jahan N., Malone J., Hosur M. V., Jeelani S. and Bolden N. W., “Enhanced Mechanical Properties of Carbon Fiber/Epoxy Composites by incorporating XD-grade Carbon Nanotube”, *Journal of Composite Materials*, doi: 10.1177/0021998314545186, **2014**.
3. **Mohammad K Hossain**, Mohammad R. Karim, Md. Mahmudur R Chowdhury, Mohammad A Imam, Mahesh Hosur, ShaikJeelani, and Ramsis Farag, “Comparative Mechanical and Thermal Study of Chemically Treated and Untreated Single Sugarcane Fiber Bundle”, *Journal of Industrial Products and Crops*, 58: 78-90, **2014**.
4. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Mahmud B Salam, Johnathan Malone, Mahesh Hosur, Shaik Jeelani, and Nydeia W Bolden. “Improved Thermo-Mechanical Properties of Carbon Fiber Reinforced Epoxy Composite using Amino Functionalized XDCNT”, *Journal of Applied Polymer Science*, 131 (17): 8737-8748, **2014**.
5. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Kazi A Imran, Mahmud B Salam, Mahesh Hosur, and Shaik Jeelani, “Effect of Low Velocity Impact Responses on Durability of Conventional and Nanophased CFRP Composites Exposed to Seawater”, *Journal of Polymer Degradation and Stability*, 99:180-189, **2014**.
6. Mohammad W Dewan, **Mohammad K Hossain**, Mahesh Hosur, and Shaik Jeelani, “Thermo-Mechanical Properties of Alkali Treated Jute-Polyester/Nanoclay Biocomposites Fabricated by VARTM Process”, *Journal of Applied Polymer Science*, 128 (6): 4110-4123, **2013**.

7. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh Hosur, and Shaik Jeelani, “Low-Velocity Impact Behavior of CNF-Filled Glass Reinforced Polyester Composites”, *Journal of Composite Materials*, 48 (7): 879-896, **2013**.
8. **Mohammad K Hossain**, Muhammad E Hossain, Mohammad W. Dewan, Mahesh Hosur, and Shaik Jeelani, “Effects of Carbon Nanofiber (CNF) on Thermal and Interlaminar Shear Responses of E-Glass/Polyester Composites”, *Journal of Composites Part B*, 44: 313–320, **2012**.
9. **Mohammad K. Hossain**, Mohammad W. Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Effect of Surface Treatment and Nanoclay on Thermal and Mechanical Properties of Jute/Biopol Green Composites”, *Journal of Reinforced Plastics and Composites*, 30 (22): 1841-1856, **2011**.
10. **Mohammad K. Hossain**, Mohammad W. Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Mechanical Performances of Surface Modified Jute Fiber Reinforced Biopol Nanophased Green Composites”, *Journal of Composites Part B: Engineering*, 42 (6): 1701-1707, **2011**.
11. **Mohammad K Hossain**, Mohammad W Dewan, Mahesh Hosur, Shaik Jeelani, “Thermal and Mechanical Characterization of Jute-Biopol Nanophased Green Composites”, *Cambridge Journals Online*, DOI: 10.1557/opl.2011.169, **2011**.
12. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh V. Hosur, and Shaik Jeelani, “Study of Mechanical Responses and Thermal Expansion of CNF-modified Polyester Nanocomposites Processed by Different Mixing Systems”, *Cambridge Journals Online*, DOI:10.1557/opl.2011.111, **2011**.
13. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and Shaik Jeelani, “Effect of Seawater on Thermal Behavior of Conventional and Nanophased Carbon/Epoxy Composites”, *Cambridge Journals Online*, DOI:10.1557/opl.2011.498, **2011**.
14. **Mohammad K. Hossain**, Muhammad E. Hossain, Mahesh V. Hosur, and Shaik Jeelani, “Flexural and Compression Response of Woven E-Glass/Polyester–CNF Nanophased Composites”, *Journal of Composites Part A*, 42: 1774-1782, **2011**.
15. **Mohammad K. Hossain**, Mohammad W. Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Physical, Mechanical, and Degradability Properties of Chemically Treated Jute Fiber Reinforced Biodegradable Nanocomposites”, *Journal of Engineering Materials and Technology*, 133 (4): 041003-1-041003-7, **2011**.
16. Chinedu U. Okoro, **Mohammad K. Hossain**, Mahesh V. Hosur, and Shaik Jeelani, “Mechanical Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion Technique”, *Journal of Engineering Materials and Technology*, 133 (4): 041009-1-041009-4, **2011**.
17. **Mohammad K. Hossain**, Kazi. A. Imran, Mahesh V. Hosur, and Shaik Jeelani, “Degradation of Mechanical Properties of Conventional and Nanophased Carbon/Epoxy Composites in Seawater”, *Journal of Engineering Materials and Technology*, 133 (4): 041004-1-041004-6, **2011**.

Publications in National and International Conference Proceedings

1. **Mohammad K Hossain** and Mahmudur R Chowdhury, “Optimized Mechanical Performance of Carbon Fiber-Epoxy Composite using Amino-Functionalized Graphene Nanoplatelets” IMECE 2015, Paper Number: IMECE2015-51643, Houston, Texas, November 13-19, **2015**.

2. **Mohammad K Hossain** and Mahmudur R Chowdhury, “Enhanced Properties of Epoxy Composite Reinforced with Amino-Functionalized Graphene Nanoplatelets”, IMECE 2015, Paper Number: IMECE2015-51483, Houston, Texas, November 13-19, **2015**.
3. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Mahmud B Salam, Johnathan Malone, Mahesh Hosur, Shaik Jeelani, Nydeia W Bolden, “Thermo-Mechanical and ILSS Properties of Woven Carbon/Epoxy-XD-CNT Nanophased Composites”, 2014 MRS Spring Meeting Proceedings, San Francisco, CA, April 21-25, **2014**.
4. **Mohammad Kamal Hossain**, Jonathan Rocha, Shawn Jackson, Robert Carson, Md Mahmudur Chowdhury, Chris Jensenius, “Design of a Small and Low Cost Thermal Cycling Chamber for Testing Thermostats”, **Paper ID#58**, 2014 ASEE Southeast Section Conference, Mercer University, Macon, GA, March 30-April 01, **2014**.
5. **Mohammad Kamal Hossain**, Mark Black, Thomas Wilder, Chris Elmore, Pradosh K. Ray, “Design of a Portable Assisted Mobility Device-A Sustainable Urban Transport”, **Paper ID#1569839057**, The IEEE International Conference on Connected Vehicles & Expo (ICCVE 2013), Las Vegas, Nevada, USA, December 2-6, **2013**.
6. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Kazi A Imran, Mahmud B Salam, Mahesh Hosur and Shaik Jeelani, “Durability study of low velocity impact responses of conventional and nanophased CFRP composites exposed to seawater”, **Paper ID#IMECE2013-65671**, 2013 ASME International Mechanical Engineering Congress and Exposition (IMECE2013), San Diego, USA, November 15-21, **2013**.
7. **Mohammad K Hossain**, Mohammad R. Karim, Md. Mahmudur R Chowdhury, Mohammad A Imam, Mahesh Hosur, Shaik Jeelani, Ramsis Farag, “Tensile properties evaluation of chemically treated/untreated single sugarcane fiber”, **Paper ID#IMECE2013-65664**, 2013 ASME International Mechanical Engineering Congress and Exposition, (IMECE2013), San Diego, USA, November 15-21, **2013**.
8. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Mahmud B Salam, Mahesh Hosur, Shaik Jeelani, Nydeia Wright Bolden, "Tensile and Flexural Properties of Woven Carbon/Epoxy-XD-CNT Nanophased Composites", **Paper ID#3758**, *SAMPE Tech 2013*, Wichita, KS, USA, October 21-24, **2013**.
9. **Mohammad K Hossain**, Kwanju Kim, Stacy Benjamin, Ing. Manuel Löwer, Pradosh K. Ray, “Student Team Formation, Management, and Collaboration in PACE Global SUT Project”, **Paper ID#8270**, International Forum, 120th ASEE Annual Conference and Exposition, Atlanta, GA, USA, June 21-26, **2013**.
10. **Mohammad K Hossain**, Derrick Pettaway, “Design and Analyze the Frame for the Global Sustainable Urban Transport (SUT) Vehicle”, **Paper ID#7719**, 120th ASEE Annual Conference and Exposition, Atlanta, GA, USA, June 23-26, **2013**.
11. **M. K. Hossain**, C. U. Okoro, M. V. Hosur, and S. Jeelani, “Mechanical Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion Technique”, **Paper ID#547**, 2011 NSTI-Nanotech Conference, Boston, MA, June 13-16, **2011**.
12. **M.K. Hossain**, M.W. Dewan, M. Hosur, and S. Jeelani, “Durability Study of Nanophased Jute-Based Green Composites”, **Paper ID#540**, 2011 NSTI-Nanotech Conference, Boston, MA, June 13-16, **2011**.
13. C. U. Okoro, **M. K. Hossain**, M. V. Hosur, S. Jeelani, “Mechanical and Thermal Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion Technique”, **Paper ID#1404**, *SAMPE 2011*, Long Beach, CA, USA, May 23-26, **2011**.

14. **M.K. Hossain**, M. W. Dewan, R. Carver, M. Hosur, S. Jeelani, “Thermal and Mechanical Performance of Jute-Polyester Nanophased Biocomposites”, **Paper ID#1402**, *SAMPE 2011*, Long Beach, CA, USA, May 23-26, **2011**.
15. **M.K. Hossain**, K.A. Imran, M. Hosur, and S. Jeelani, “Effect of Seawater on Mechanical Behavior of Conventional and Nanophased Carbon/Epoxy Composites”, **Paper ID#1405**, *SAMPE 2011*, Long Beach, CA, USA, May 23-26, **2011**.
16. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and Shaik Jeelani, “Effect of Seawater on Thermal Behavior of Conventional and Nanophased Carbon/Epoxy Composites”, **Paper ID#918339**, *2010 Materials Research Society (MRS) Fall Meeting*, Boston, Massachusetts, November 29- December 03, **2010**.
17. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Thermal and Mechanical Characterization of Jute-Biopol Nanophased Green Composites”, **Paper ID#918313**, *2010 Materials Research Society (MRS) Fall Meeting*, Boston, Massachusetts, November 29- December 03, **2010**.
18. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh V. Hosur, and Shaik Jeelani, “Study of Mechanical Responses and Thermal Expansion of CNF-modified Polyester Nanocomposites using Different Mixing Systems”, **Paper ID#910495**, *2010 Materials Research Society (MRS) Fall Meeting*, Boston, Massachusetts, November 29- December 03, **2010**.
19. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh V. Hosur, and Shaik Jeelani, “Investigation of Carbon Nanofibers (CNFs) Effects on the Flexural and Thermal Behavior of E-Glass/Polyester Composites”, *ASME 2010 International Mechanical Engineering Congress and Exposition*, **Paper ID#IMECE2010-39336**, British Columbia, Canada, November 12-18, **2010**.
20. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Interfacial Improvement of Nanopahsed Jute-Based Green Composite by Surface Modification”, *ASME 2010 International Mechanical Engineering Congress and Exposition*, **Paper ID#IMECE2010-39365**, Vancouver, British Columbia, Canada, November 12-18, **2010**.
21. **Mohammad K. Hossain**, Muhammad E. Hossain, Mahesh V. Hosur, and Shaik Jeelan, “Comparison of High Strain Rate Compressive Responses of Conventional and CNF-Filled Nanophased E-Glass/Polyester Composites”, **Paper ID#0893**, *MS&T 2010 Conference*, Houston, Texas, October 17-21, **2010**.
22. **Mohammad K. Hossain**, Muhammad E. Hossain, Mahesh V. Hosur, and Shaik Jeelan, “Effects of CNF on Compression and Thermal Responses of E- Glass/Polyester Nanocomposite”, **Paper ID#1112**, *ASC 25th Annual Technical Conference*, Dayton, Ohio, September 20-22, **2010**.
23. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Mechanical and Thermal Characterization of Modified Jute/Biopol Nanophased Green Composite”, **Paper ID#1121**, *ASC 25th Annual Technical Conference*, Dayton, Ohio, September 20-22, **2010**.
24. **M.K. Hossain**, M. W. Dewan, M. Hosur, S. Jeelani V. Rangari, “Surface Modification and Performance Analysis of Jute Based Nanophased Green Composite”, **Paper ID#1712**, *2010 NSTI-Nanotech Conference*, Anaheim, California, USA, June 21-25, **2010**.
25. **M.K. Hossain**, M.E. Hossain, M. Hosur, and S. Jeelani, “High Strain Rate Compression Behavior of Conventional and CNF-Filled Nanophased Glass/Polyester Composites”, **Paper ID#1024**, *2010 NSTI-Nanotech Conference*, Anaheim, California, USA, June 21-25, **2010**.
26. **M.K. Hossain**, M.E. Hossain, M. Hosur, and S. Jeelan, “Fabrication and Thermo-Mechanical Characterization of CNF-Filled Polyester and E-glass/Polyester Nanophased Composites”, **Paper ID#1690**, *2010 NSTI-Nanotech Conference*, Anaheim, California, USA, June 21-25, **2010**.

27. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Dynamic Characterization of CNF-Filled E-Glass/Polyester Nanophased Composite”, **Paper ID#275**, *SAMPE Conference and Exhibition 2010*, Seattle, WA, May 17-20, **2010**.
28. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Mechanical and Thermal Characterization of CNF-Filled Polyester Nanophased Composite”, **Paper ID#ICME09-AM-12**, *ICME 2009*, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, December 26-28, **2009**.
29. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Comparison of Low-Velocity Impact Behavior of Conventional and CNF-Filled Glass-Polyester Nanophased Composites”, **Paper ID#106**, *The 24th Annual American Society of Composites and the Canadian Association for Composite Structures and Materials*, The University of Delaware, September 15-17, **2009**.
30. **M. K. Hossain**, Q. Liu, and B. J. O'Toole, “Evaluation of Functionally Graded Foam Crushability in Confinement under Moderate Strain Rate Using a Drop-Weight Machine”, *SAMPE 2008 Symposium*, Long Beach, CA, May 18-22, **2008**.

Presentation at National and International Conferences

1. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Mahmud B Salam, Johnathan Malone, Mahesh Hosur, Shaik Jeelani, Nydeia W Bolden, “Thermo-Mechanical and ILSS Properties of Woven Carbon/Epoxy-XD-CNT Nanophased Composites”, 2014 MRS Spring Meeting Proceedings, San Francisco, CA, April 21-25, **2014**.
2. **Mohammad Kamal Hossain**, Jonathan Rocha, Shawn Jackson, Robert Carson, Md Mahmudur Chowdhury, Chris Jensenius, “Design of a Small and Low Cost Thermal Cycling Chamber for Testing Thermostats”, **Paper ID#58**, 2014 ASEE Southeast Section Conference, Mercer University, Macon, GA, March 30-April 01, **2014**.
3. **Mohammad Kamal Hossain**, Mark Black, Thomas Wilder, Chris Elmore, Pradosh K. Ray, “Design of a Portable Assisted Mobility Device (PAMD)-A Sustainable Urban Transport”, IEEE 2013 International Conference on Connected Vehicles and Expo, Las Vegas, NV, USA, December 2-6, **2013**.
4. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Kazi A Imran, Mahmud B Salam, Mahesh Hosur and Shaik Jeelani, “Durability study of low velocity impact responses of conventional and nanophased CFRP composites exposed to seawater”, 2013 ASME International Mechanical Engineering Congress and Exposition, IMECE2013-65671, San Diego, USA, November 15-21, **2013**.
5. **Mohammad K Hossain**, Mohammad R Karim, Mahmudur R Chowdhury, Muhammad A Imam, Mahesh Hosur, Shaik Jeelani, Ramsis Farag, “Tensile properties evaluation of chemically treated/untreated single sugarcane fiber”, 2013 ASME International Mechanical Engineering Congress and Exposition, IMECE2013-65664, San Diego, USA, November 15-21, **2013**.
6. **Mohammad K Hossain**, Kwanju Kim, Stacy Benjamin, Ing. Manuel Löwer, Pradosh K. Ray, “Student Team Formation, Management, and Collaboration in PACE Global SUT Project”, International Forum, 120th ASEE Annual Conference and Exposition, Atlanta, GA, USA, June 21-26, **2013**.

7. **Mohammad K Hossain**, Derrick Pettaway, “Design and Analyze the Frame for the Global Sustainable Urban Transport (SUT) Vehicle”, 120th ASEE Annual Conference and Exposition, Atlanta, GA, USA, June 21-26, **2013**.
8. **Mohammad K Hossain**, “Effects of Carbon Nanofiber (CNF) on Mechanical and Thermal Behavior of Polyester and E-glass/Polyester Composites”, Summer Lecture Series, Newport Undersea Warfare Center (NUWC), Newport, RI, June 10, **2013**.
9. **Mohammad K Hossain**, Emory Head, Mahesh Hosur, Shaik Jeelani, “Fabrication and Characterization of Untreated, Alkali Treated, and POSS Treated Jute Fiber Reinforced-Polylactic Acid Composites”, *IMECE 2012*, Houston, Texas, November 9-14, **2012**.
10. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Mechanical Properties of Alkali Treated Jute Fabric Reinforced Polyester Nanocomposites Manufactured by VARTM Process”, *IMECE 2011*, Denver, Colorado, November 11-17, **2011**.
11. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and Shaik Jeelani, “Seawater Conditioning Effect on the Mechanical Properties of Conventional and Nanophased Carbon/Epoxy Composites”, *IMECE 2011*, Denver, Colorado, November 11-17, **2011**.
12. **Mohammad K Hossain**, “Manufacturing of Sustainable Urban Transport (SUT)”, *2011 PACE Global Forum*, Vancouver, Canada, July 25-30, **2011**.
13. **M. K. Hossain**, C. U. Okoro, M. V. Hosur, and S. Jeelani, “Mechanical and Thermal Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion Technique”, *SAMPE 2011*, Long Beach, CA, USA, May **2011**.
14. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Thermal and Mechanical Performance of Jute-Polyester Nanophased Biocomposites”, *SAMPE 2011*, Long Beach, CA, USA, May **2011**.
15. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and Shaik Jeelani, “Effect of Seawater on Mechanical Behavior of Conventional and Nanophased Carbon/Epoxy Composites”, *SAMPE 2011*, Long Beach, CA, USA, May **2011**.
16. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Thermal and Mechanical Characterization of Jute-Biopol Nanophased Green Composites”, *MRS Fall Meeting 2010*, Boston, MA, November 29-December 03, **2010**.
17. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Study of Mechanical Responses and Thermal Expansion of CNF-modified Polyester Nanocomposites Processed by Different Mixing Systems”, *MRS Fall Meeting 2010*, Boston, MA, November 29-December 03, **2010**.
18. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Interfacial Improvement of Nanophased Jute-Based Green Composite by Surface Modification”, *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
19. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Investigation of Carbon Nanofibers (CNFs) Effects on the Flexural and Thermal Behavior of E-Glass/Polyester Composites”, *ASME International Mechanical Engineering Congress and Exposition 2010*, British Columbia, Canada, November 12-18, **2010**.
20. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, “Comparison of High Strain Rate Compressive Responses of Conventional and CNF-Filled Nanophased E-Glass/Polyester Composites”, *Materials Science & Technology 2010 Conference & Exhibition*, Houston, TX, October 17-21, **2010**.

21. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, "Effects of CNF on Compression and Thermal Responses of E- Glass/Polyester Nanocomposite", *The American Society for Composites 25th Annual Technical Conference/14th U.S.-Japan Conference on Composites Materials*, Dayton, Ohio, September 20-22, **2010**.
22. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, "Surface Modification and Performance Analysis of Jute Based Nanophased Green Composite", *2010 NSTI-Nanotech Conference*, Anaheim, California, U.S.A, June 21-25, **2010**.
23. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, "Mechanical and Thermal Characterization of CNF-Filled Polyester Nanophased Composite", *ICME 2009*, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, December 26-28, **2009**.
24. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, "Comparison of Static and Dynamic Behavior of Nanophased Glass Polyester Composite", *ASME International Mechanical Engineering Congress and Exposition 2009*, Lake Buena Vista, Florida. 13-19, **2009**.
25. **Mohammad K. Hossain**, Muhammad E. Hossain, M. Hosur, and S. Jeelani, "Comparison of Low Velocity Impact Behavior of Conventional and CNF-Filled Glass Polyester Nanophased Composites", *ASC 24th Annual Technical Conference (The 1st Joint Canadian-American International Conference)*, University of Delaware, September 15-17, **2009**.

Poster Presentation at National and International Conferences

1. **M. K. Hossain**, S. Stewart, S. Taylor, D. Dixon, N. Pinon, J. Pittman, M. Smith, C. Farmer, and Pradosh K. Ray, "Design and Analysis of a Reconfigurable Shared-Use Mobility System for Urban Commuters", 2015 Partners for the Advancement of Collaborative Engineering Education (PACE) Annual Global Forum, University of Sao Paulo, Brazil, July 26-31, **2015**.
2. **Mohammad Kamal Hossain**, William Bush, Christopher Cannon, Kerry Hardy, Benjamin Walker, Nicole Allen, Jacoby Golden, Stephen Hamilton, Tynechia Marshall, and Pradosh K. Ray, "Design and Analysis of a Personal Assisted Mobility Device (PAMD) - An Efficient Mobility Transport", *2014 Partners for the Advancement of Collaborative Engineering Education (PACE) Global Forum*, Turin, Italy, July 28-August 01, **2014**.
3. **Mohammad Kamal Hossain**, Mark Black, Thomas Wilder, Chris Elmore, Pradosh K. Ray, "Design and Analysis of a Portable Assisted Mobility Device (PAMD) for Future Urban Transport", *2013 Partners for the Advancement of Collaborative Engineering Education (PACE) Global Forum*, Art Center College of Design, Pasadena, California, USA, July 21-26, **2013**.
4. **Mohammad K. Hossain**, Derrick Pettaway, Kori Benson, Destini Buckner, & Jasmine McCloud, "Design and Analysis of Frame and Propulsion System of an Affordable Sustainable Urban Transport (SUT)", *2012 PACE Global Forum*, Shanghai, China, July 17-27, **2012**.
5. **M. K. Hossain**, Royce Carver, Douglas Jenkins, Ashley Matthews, and P K. Ray, "Conceptual Design of an Affordable Sustainable Urban Transport Sustainable Urban Transport (SUT)", *2011 PACE Global Forum*, Vancouver, Canada, July 25-30, **2011**.
6. **M. K. Hossain**, C. U. Okoro, M. V. Hosur, and S. Jeelani, "Mechanical Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion Technique", *2011 NSTI-Nanotech Conference*, Boston, MA, June 13-16, **2011**.

7. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Durability Study of Nanophased Jute-Based Green Composites”, *2011 NSTI-Nanotech Conference*, Boston, MA, June 13-16, **2011**.
8. **M. K. Hossain**, C. U. Okoro, M. V. Hosur, and S. Jeelani, “Thermal and Mechanical Characterization of XD-Grade Carbon Nanotubes/Epon 862 Processed by Dual Phase Dispersion Method”, *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
9. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and Shaik Jeelani, “Seawater Effect on Conventional and Nanophased Carbon/Epoxy Composites”, *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
10. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani, “Interfacial Improvement of Nanophased Jute-Based Green Composites by Surface Modification”, *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
11. **Mohammad K. Hossain**, Jan Helge Bøhn, and Pradosh Ray, “Conceptual Design of an Emission Control Subsystem”, *2010 PACE Global Forum*, Seoul, Korea, July 19-23, **2010**.
12. **Mohammad K. Hossain**, “Engineering Education for Minority Students”, *Minority Faculty Development Workshop 2010*, MIT, Cambridge, Massachusetts, March 21-24, **2010**.