

- Islam, S., A. Bose, C. Jones, **M. Hossain** and C. Vahl. Developing an Automated Technique to Calibrate the AASHTOWare Pavement ME Design Software. In Transportation Research Record (TRR) No. 2674 (9); Journal of the Transportation Research Board (TRB), National Academy of Science (NAS), September 2020.
<https://doi.org/10.1177/0361198120932567>
- Islam, S., **Hossain, M.**, Barrett, R., and Velasquez Jr., N. Practical Issues in Implementation of Mechanistic Empirical Design for Concrete Pavements. ASCE Journal of Transportation Engineering, Part B, 145 (3), 04019020, 2019.
- Islam, S., **Hossain, M.**, Jones, C., Bose, A., Barrett, R., and Velasquez Jr., N. Implementation of AASHTOWare Pavement ME Design Software for Asphalt Pavements in Kansas. In Transportation Research Record (TRR) No. 2673 (4); Journal of the Transportation Research Board (TRB), National Academy of Science (NAS), March 2019. <https://doi.org/10.1177/0361198119835540>
- Islam, S., **Hossain, M.**, and Miller, R. Evaluation of Pavement Surface Texture at the Network Level. Journal of Nondestructive Testing and Evaluation, 34 (1), 2019.
- Tavakol, M., **Hossain, M.** and Heptig, B.M. Minimum Virgin Binder Content Needed in Recycled Superpave Mixtures to Resist Fatigue Cracking and Moisture Damage. ASCE Journal of Materials in Civil Engineering, Vol. 30 (7), July 2018.
- Islam, S., A. Sufian, **M. Hossain**, R. Miller, and C. Leibrock. Mechanistic Empirical Design for Perpetual Pavement. Journal of Road Materials and Pavement Design. 2018. Volume:
<https://doi.org/10.1080/14680629.2018.1546218>.
- Sabahfar, N., Ahmed, A., Aziz, S. and **Hossain, M.** Cracking Resistance Evaluation of Mixtures with High Percentages of Reclaimed Asphalt Pavement. ASCE Journal of Materials in Civil Engineering, 29(4):06016022, 2017.
- Islam, S., **M. Hossain, M.**, and R. Miller. Evaluation of Pavement Surface Texture at the Network Level. Journal of Nondestructive Testing and Evaluation. 2018. Volume:
<https://doi.org/10.1080/10589759.2018.1554067>
- Tavakol, M., **Hossain, M.** and Heptig, B.M. Minimum Virgin Binder Content Needed in Recycled Superpave Mixtures to Resist Fatigue Cracking and Moisture Damage. ASCE Journal of Materials in Civil Engineering, Vol. 30 (7), July.
- Sabahfar, N., Ahmed, A., Aziz, S and **Hossain, M.** Cracking Resistance Evaluation of Mixtures with High Percentages of Reclaimed Asphalt Pavement. ASCE Journal of Materials in Civil Engineering, 29(4):06016022.
- Islam, S., A. Sufian, **M. Hossain**, R. Miller, and C. Leibrock. Mechanistic Empirical Design for Perpetual Pavement. Journal of Road Materials and Pavement Design. Volume:
<https://doi.org/10.1080/14680629.2018.1546218>
- Islam, S., **M. Hossain, M.**, and R. Miller. Evaluation of Pavement Surface Texture at the Network Level. Journal of Nondestructive Testing and Evaluation. Volume:
<https://doi.org/10.1080/10589759.2018.1554067>
- Islam, S., A. Sufian, **M. Hossain**, N. Velasquez, and R. Barrett. “Practical Issues in Local Calibration and Implementation of AASHTOWARE Pavement ME Design Procedure for Concrete Pavements.” In the 97th Annual Meeting of Transportation Research Board, Washington, D.C, 2018.
- Islam, S., **M. Hossain**, R. Miller, and H. Zahir. “Pavement Surface Texture Characterization at the Network Level.” In the 97th Annual Meeting of Transportation Research Board, Washington, D.C, 2018.

- Islam, S., **M. Hossain**, and H. Zahir. “Road Surface Texture Evaluation with 3-D Laser Data.” Proceedings of the International Society for Asphalt Pavement Conference, Fortaleza, Brazil, 2018.
- Islam, S., A. Ahmed, and **M. Hossain**. “Flexible Pavement Design with RAP Mixture.” Proceedings of the International Society for Asphalt Pavement Conference, Fortaleza, Brazil, 2018.
- Islam, S., Sufian, A., and **Hossain, M.** “Local Calibration of AASHTOWare Pavement ME Design Software for Flexible Pavements in Kansas.” Proceedings of the Advances in Materials and Pavement Performance Prediction (AM3P) conference. Doha, Qatar, 2018.
- Gao, Y., S. Islam, and **M. Hossain**. “Investigation of Cracking Resistance of Recycled Superpave Mixtures.” Proceedings of the Advances in Materials and Pavement Performance Prediction (AM3P) conference, Doha, Qatar, 2018.
- Islam, S., H. Zahir, **M. Hossain**, and D. Meggers. “Evaluation of High Friction Surface Treatment.” Proceedings of the International Conference on Pavements and Computational Approaches, New Delhi, India, 2018.
- Tavakol, **M. Hossain**, M. and S. Tucker-Kulesza. “Effects of Fly Ash and Low-Quality Recycled Concrete Aggregate for HMA Subgrade Soil Stabilization.” Proceedings of the International Conference on Pavements and Computational Approaches, New Delhi, India, 2018.
- **Hossain, M.**, Heptig, B. and R. Barezenisky. “How to Improve Performance of Flexible Pavements – Experience of a State from the United States.” Proceedings of the International Conference on Pavements and Computational Approaches, New Delhi, India, 2018.

Recent peer-reviewed proceedings

- Gao, Y., X. Wu, and **M. Hossain**. “Evaluation of Coal Combustion Products in Hot-Mix Asphalt Mixture.” Proc. Of the International Airfield and Highway Pavements Conference, ASCE, 2021.
- Wu, X., S. Islam, **M. Hossain**, and G. Schieber. “Mechanistic-Empirical Design of Chemical Stabilized Full-Depth Reclaimed Pavement.” Proc. Of the 100th Annual Meeting of TRB, NAS, Washington, D.C, 2021.
- Gao, Y., X. Wu, S. Islam and **M. Hossain**. “Evaluation of Carbon Char in Hot-Mix Asphalt Mixture.” Proc. Of the International Airfield and Highway Pavements Conference, ASCE, 2019.
- Islam, S., A. Sufian, **M. Hossain**, N. Velasquez, and R. Barrett. “Practical Issues in Local Calibration and Implementation of AASHTOWARE Pavement ME Design Procedure for Concrete Pavements.” Proc. Of the 97th Annual Meeting of TRB, NAS, Washington, D.C, 2018.
- Islam, S., A. Sufian, **M. Hossain**, N. Velasquez, and R. Barrett. “Practical Issues in Local Calibration and Implementation of AASHTOWARE Pavement ME Design Procedure for Concrete Pavements.” Proc. Of the 97th Annual Meeting of TRB, NAS, Washington, D.C, 2018.
- Islam, S., **M. Hossain**, R. Miller, and H. Zahir. “Pavement Surface Texture Characterization at the Network Level.” Proc. Of the 97th Annual Meeting of TRB, NAS, Washington, D.C, 2018.
- Islam, S., **M. Hossain**, and H. Zahir. “Road Surface Texture Evaluation with 3-D Laser Data.” Proc. of the International Society for Asphalt Pavement Conference, Fortaleza, Brazil, 2018.
- Islam, S., A. Ahmed, and **M. Hossain**. “Flexible Pavement Design with RAP Mixture.” Proc. of the International Society for Asphalt Pavement Conference, Fortaleza, Brazil, 2018.
- Gao, Y., S. Islam, and **M. Hossain**. “Investigation of Cracking Resistance of Recycled Superpave Mixtures.” Proc. of the Advances in Materials and Pavement Performance Prediction conference, Doha, Qatar, 2018.
- Islam, S., H. Zahir, **M. Hossain**, and D. Meggers. “Evaluation of High Friction Surface Treatment.” Proc. of the Intl. Conf. on Pavements and Computational Approaches, New Delhi, India, 2018.