



**Christopher Moore, PhD, MS**  
**Engineer**  
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## **Professional Profile**

Chris Moore is an Engineer at JFAssociates, Inc. based in the Washington, DC area. Dr. Moore has a Doctorate in Occupational Safety and Health and a Master's Degree in Industrial Hygiene from West Virginia University in Morgantown, WV. Dr. Moore began working with JFAssociates, Inc. in 2017 on a part-time basis, and moved to a full time position in 2019. His responsibilities include data collection, statistical data analysis, data modeling, and reporting. His areas of specialty include safety & health, time and motion studies, process improvement, and ergonomic evaluations. He has co-authored 8 peer-reviewed journal publications and conducted research in human factors and ergonomics, and has presented his work at several Human Factors/Ergonomics and Industrial Engineering conferences.

## **Credentials and Professional Honors**

PhD, Occupational Safety and Health, West Virginia University, 2019  
MS, Industrial Hygiene, West Virginia University, 2012  
BS, Exercise Physiology, West Virginia University, 2007

OSHA-30 Certified

## **Selected Relevant Experience**

Consulting experience includes the following industrial sectors:

- Call centers
- Department stores
- Financial institutions
- Food processing
- Foundry
- Retail stores
- Transportation
- U.S. Government
- Warehouse

## **Journal Publications**

Sun, Y., Moore, C., Nimbarte, A.D. (2011) Musculoskeletal loading during dynamic two-wheeled cart pushing and pulling. In IIE Annual Conference. Proceedings, p. 1.

Moore, C., Nimbarte, A.D.; Rajulu, S., Aghazadeh, F. (2012) A study of the kinematics of ingress and egress of upright and recumbent seats. In Work 41 (Supplement 1), pp. 1316–1322.

Moore, C., Nimbarte, A.D., Rajulu, S., Ning, X., Guffey, S.E. (2013) Effect of seat orientation on ingress/egress joint kinematics and reach envelope. In Occupational Ergonomics 11 (4), pp. 137–151.

Moore, C., Nimbarte, A.D., Sun, Y. (2013) Kinematics of cart pushing and pulling under different loads and surface gradient conditions. In Occupational Ergonomics 11 (2, 3), pp. 75–84.

Nimbarte, A.D., Zreiqat, M., Moore, C., Ning, X. (2013) Flexion-relaxation response induced by neck extensor muscle fatigue. In IIE Annual Conference. Proceedings, p. 1949.

Moore, C., Nimbarte, A.D., Rajulu, S. (2014) Kinematic compatibility between the body and a mock spacesuit during basic upper body motions. In International Journal of Industrial Ergonomics 44 (5), pp. 739–746.

Eddy, M., Moore, C., Nimbarte, A.D. (2016) Evaluation of shoulder strain during multi-directional forceful arm exertions. In Occupational Ergonomics 13 (3-4), pp. 131-138.

Nimbarte, A.D., Chowdhury, S.K.; Moore, C. (2017) Effects of a lift-assist device on trunk and shoulder kinematics. In International Journal of Occupational Safety and Health 5 (1), pp. 1-6.

## **Conference Proceedings**

Sun, Y., Moore, C., Nimbarte, A.D. (2011) Musculoskeletal loading during dynamic two-wheeled cart pushing and pulling. Proceedings of the Institute of Industrial Engineers Annual Conference, Reno, Nevada, USA May 21-25, 2011.

Moore, C., Nimbarte, A.D., Rajulu, S., Guffey, S. (2012) A study of kinematics during ingress and egress of vertical and horizontal seats. Proceedings of the XXIVth Annual International Occupational Ergonomics and Safety Conference, Fort Lauderdale, Florida, USA June 7-8, 2012.

Moore, C., Nimbarte, A.D., Rajulu, S. (2012) Study of suited kinematics using an optical motion analysis system. Proceedings of the XXIVth Annual International Occupational Ergonomics and Safety Conference, Fort Lauderdale, Florida, USA June 7- 8, 2012.

Nimbarte, A.D., Zreiqat, M., Moore, C., Ning, X. (2013) Flexion-relaxation response induced by neck extensor muscle fatigue. Proceedings of the Industrial Systems Engineering Research Conference, San Juan, Puerto Rico, USA, May 18-22, 2013.

Cutlip, K., Nimbarte, A.D., Moore, C. (2013) Stability of the shoulder complex during manual exertions. Proceedings of the XXV Annual Occupational Ergonomics and Safety Conference, Atlanta, GA, USA June 6-7, 2013.

Moore, C., Nimbarte, A.D., Rajulu, S. (2013) Effect of display position and direction of motion on the ingress/egress kinematics. Proceedings of the XXV Annual Occupational Ergonomics and Safety Conference, Atlanta, GA, USA June 6-7, 2013.

Moore, C., Stewart, B., Nimbarte, A.D., Jones, J. (2013) Development of a model to study low back kinematics of working dogs. Proceedings of the XXV Annual Occupational Ergonomics and Safety Conference, Atlanta, GA, USA June 6-7, 2013.

Chowdhury, S., Moore, C., Nimbarte, A.D. (2017) Evaluation of a construction block lift-assist device. Proceedings of the Institute of Industrial Engineers Annual Conference, Pittsburgh, Pennsylvania, USA May 20-23, 2017.