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Computational Engineering and Experimenting  
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## SHORT BIO:

Specialist in Motion Analysis and Rehabilitation Engineering

*M.Sc. Ana Moreno Hernández* is a distinguished specialist in Motion Analysis and Rehabilitation Engineering with more than 20 years of experience in biomechanics, assistive technology, and clinical rehabilitation research.

She earned her Bachelor's degree in Biomedical Engineering from Universidad Iberoamericana, Santa Fe Campus in Mexico City, and a Master of Science in Human Kinetics from the University of British Columbia in Vancouver, Canada. She is a member of the International Society of Wheelchair Professionals (ISWP) and a founding member of the Mexican Society of Motion Analysis (SOAMM).

Throughout her career, Ana Moreno Hernández has served as principal investigator on federally funded research projects (CONACyT) focused on assistive technology, particularly customized wheelchairs, positioning systems, rehabilitation technology, user satisfaction, and motion analysis in populations with neuromusculoskeletal disabilities.

She worked for more than 12 years at Mexico's leading orthopedic and rehabilitation institution, the Instituto Nacional de Rehabilitación Luis Guillermo Ibarra Ibarra, as a Biomedical Research Engineer in the Human Motion Analysis and Rehabilitation Engineering Laboratory. During this time, she developed extensive expertise in patient-centered care, project management, assistive technology implementation, custom wheelchair prescription, research, and teaching.

Her academic contributions include directing and advising theses in the specialties of Physical Activity and Sports Medicine, as well as Physical Medicine and Rehabilitation. She has participated as a speaker and contributor in numerous national and international scientific meetings, conferences, and congresses, and has authored several international scientific publications.

Currently, she serves as Coordinator of the Biomedical Engineering undergraduate program at Universidad Iberoamericana Puebla, where she continues to promote interdisciplinary education, research, and innovation in rehabilitation engineering.