



**INSTITUTION**

Nike, Inc

**EDUCATION**

University of California,  
Davis  
Cornell University

**ALISON SHEETS-SINGER**

Alison Sheets-Singer leads a Biomechanics Team in the Nike Sport Research Lab focused on creating products and services that amplify the performance of athletes of all abilities. Prior to joining Nike, Dr. Sheets-Singer was an Assistant Professor at The Ohio State University in the Department of Mechanical and Aerospace Engineering. She received her B.S. in Mechanical Engineering from Cornell University, Ph.D. in Mechanical Engineering from the University of CA, Davis, and was Postdoctoral Researcher at Stanford University. In these roles, Dr. Sheets-Singer used experimental approaches and computer simulation, modeling, and optimization to research topics including: optimal gymnastics performance, landing dynamics, tennis serve technique, dynamics of throwing with a lacrosse stick, and quantifying human and animal motion using markerless tracking techniques.

Dr. Sheets-Singer is a recipient of the Andrzej Komor New Investigator Award from the International Society of Biomechanics, Technical Group on Computer Simulation for her work related to optimizing gymnastics performance. Additionally, Dr. Sheets-Singer was an invited speaker at the 2012 Japan America Frontiers of Engineering Symposium sponsored by the National Academy of Engineering.