**MU QIAO**

Physical Education Building East (PEBE), #172
551 East Orange Street
Arizona State University
Tempe, AZ, 85287
mqiao1@asu.edu
(480)252-5374

**education**

2007.8 - **DEPARTMENT OF KINESIOLOGY** **ARIZONA STATE UNIVERSITY**
**CENTER FOR ADAPTIVE NEURAL SYSTEMS (ANS)**
Graduate teaching associate on Kinesiology Lab.
**Supervisor:** Dr. Devin L. Jindrich

2004.9 – 2007.5 **SCHOOL OF AERONAUTIC SCIENCE AND ENGINEERING** **Beijing Univ. of Aeronautics & Astronautics**
Graduate student.
**Supervisor:** Prof. Xiu-gan Yuan

2000.9 – 2004.6 **DEPARTMENT OF FLIGHT VEHICLE DESIGN & APPLIED MECHANICS**
Bachelor of Engineering in Human Machine and Environment Engineering.

**experience**

2007.8 - **DEPARTMENT OF KINESIOLOGY** **Researching Associate** **ASU**
- Research work on the stability of human running.
- Spinal Cord injury rehabilitation.
- Inverted spring-mass model simulation.

2005 - 2007 **SCHOOL OF AERONAUTIC SCIENCE AND ENGINEERING** **Research Assistant** **BUAA**
- Human motion calculation based on multiple body dynamics.
- Human motion simulation in weightless environment

2000 - 2004 **DEPARTMENT OF FLYING VEHICLE DESIGN AND APPLIED MECHANICS**
- Graduation project: 2-D temperature distribution on airfoils in the icing condition.

**affiliation**

2009.5 - **AMERICAN SOCIETY FOR NEUROSCIENCE**
2009.4 - **AMERICAN SOCIETY OF BIOMECHANICS**
2006.1 - 2008.10 **CHINA SOCIETY OF SPORTS BIOMECHANICS**

**awards**

2008.5 - ‘Douglas L. Conley Memorial Scholarship’, **Department of Kinesiology, ASU**
2003.11 - ‘Rolls-Royce Scholarship’, **BUAA**

**internship**

summer 2003 **XI'AN AIRCRAFT INDUSTRY (GROUP) COMPANY LTD.** **XI’AN, SHANXI**
Analyzing the performance of Circle Heat-exchanger for Aircraft ECS

**publication**

- X. Yuan, and C. Yang. ‘The Application of Kane Equation in the Impact Prediction of Human Motion’, 2007, Digital Human Modeling, 4561, 179-188.
- D. L. Jindrich, and **M. Qiao**, ‘Maneuvers During Legged Locomotion’, 2009, Chaos, 2009, 19, issue 2,
- **M. Qiao** and D. L. Jindrich, ‘How do humans stabilize running?’ , 2009, Neuroscience 2009, Chicago.

**invited**

**presentations**

- **M. Qiao** and D. L. Jindrich, 'DO HUMANS STABILIZE RUNNING LIKE ROBOTS?', Annual meeting of American Society of Biomechanics. (College Station, PA. 29 August 2009).

**personal**

Long-distance running. Beijing International Marathon in 2005, 2006

Updated 2009-08-31