



2008 RESNA Awards Ceremony



Sunday
June 29, 2008





Agenda

- Student Design Competition Awards - *Mark Bresler*
- Student Scientific Paper Awards – *Susan Johnson Taylor, OTR/L*
- International Appropriate Technology Design Competition Awards - *Jon Pearlman*
- RESNA Awards - *Dave Jaffe*

Student Scientific Paper Competition



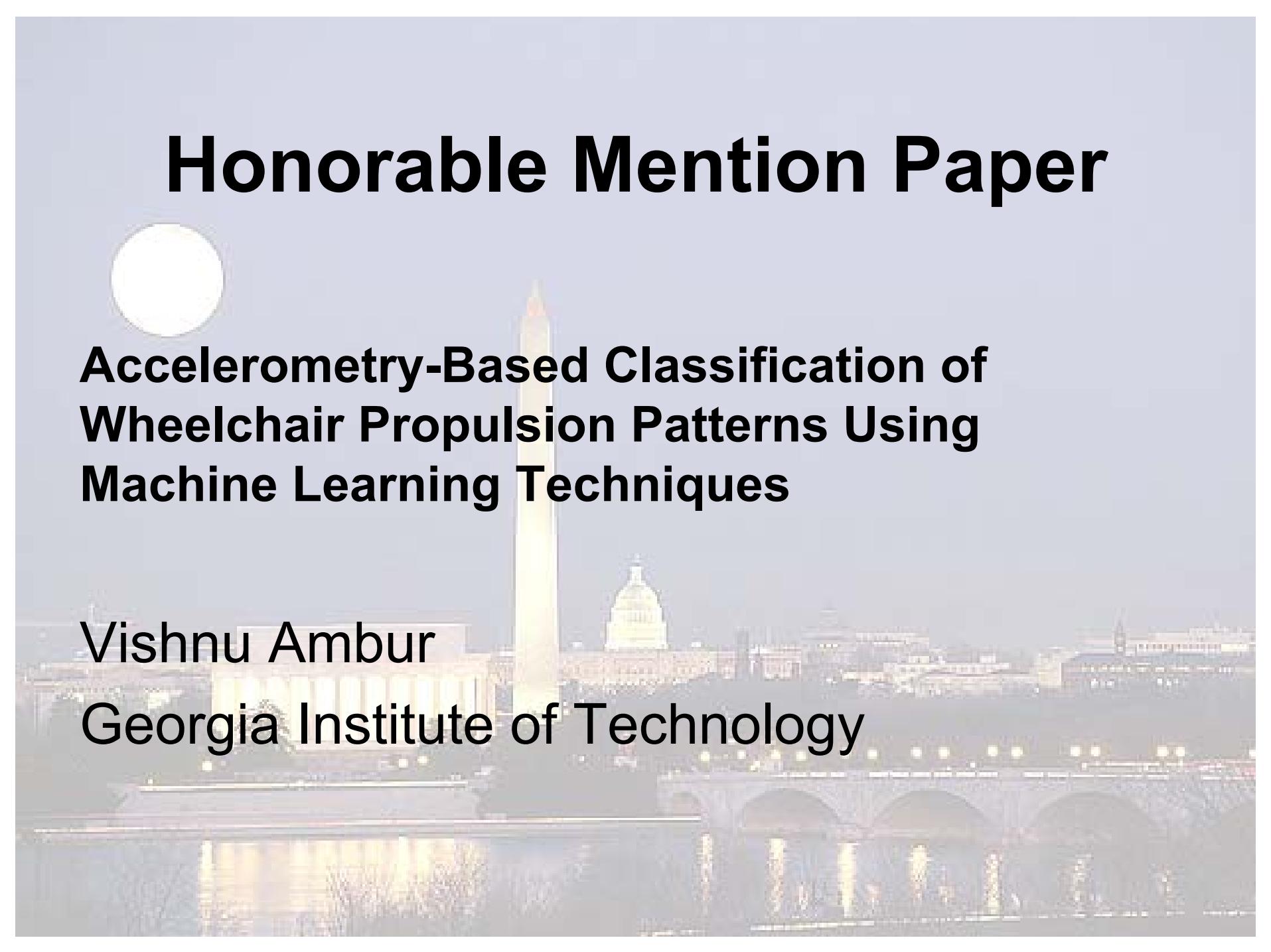
- Chair – [Lisa K. Simone, PhD](#)
- Host – Susan Johnson Taylor, OTR/L
- Thanks to all the reviewers!
- Special thanks to our generous sponsor –
Paralyzed Veterans of America



Judges

- *Gail Forrest, PhD*
- *Jane Huggins, PhD, ATP*
- *Mohsen Makhsoos, PhD*
- *Michael G. Paciello*
- *Lauren Rosen, PT, MPT, ATP*
- *Susan Johnson Taylor, OTR/L*
- *Seth Wolpert, PhD*

Honorable Mention Paper



A circular graphic element is positioned in the upper left corner, containing a white circle with a thin black outline.

**Accelerometry-Based Classification of
Wheelchair Propulsion Patterns Using
Machine Learning Techniques**

Vishnu Ambur
Georgia Institute of Technology

Honorable Mention Paper

**Development and Testing of a New Drop-Off
Detection System for Powered Wheelchairs**

**Edvier Cabassa-Miranda
University of Puerto Rico
Mayaguez Campus**

Honorable Mention Paper

**Estimating Temporal Parameters of
Wheelchair Propulsion Based on Hand
Acceleration**

**Shivayogi Hiremath, BS
University of Pittsburgh**

Honorable Mention Paper

Wheelchair Ingress/Egress Activities in Large Accessible Transit Vehicles

Sheryll Sison, BS
University of Louisville

Honorable Mention Paper

The Effect of Shoulder Position on Pushrim Forces during Overground Manual Wheelchair Propulsion

Michael Turkovich
University of Pittsburgh

Winning Paper

Do Stroke Characteristics Change During a High-Intensity 12-minutes Corridor Wheelchair Propulsion Test in Experienced Manual Wheelchair Users?

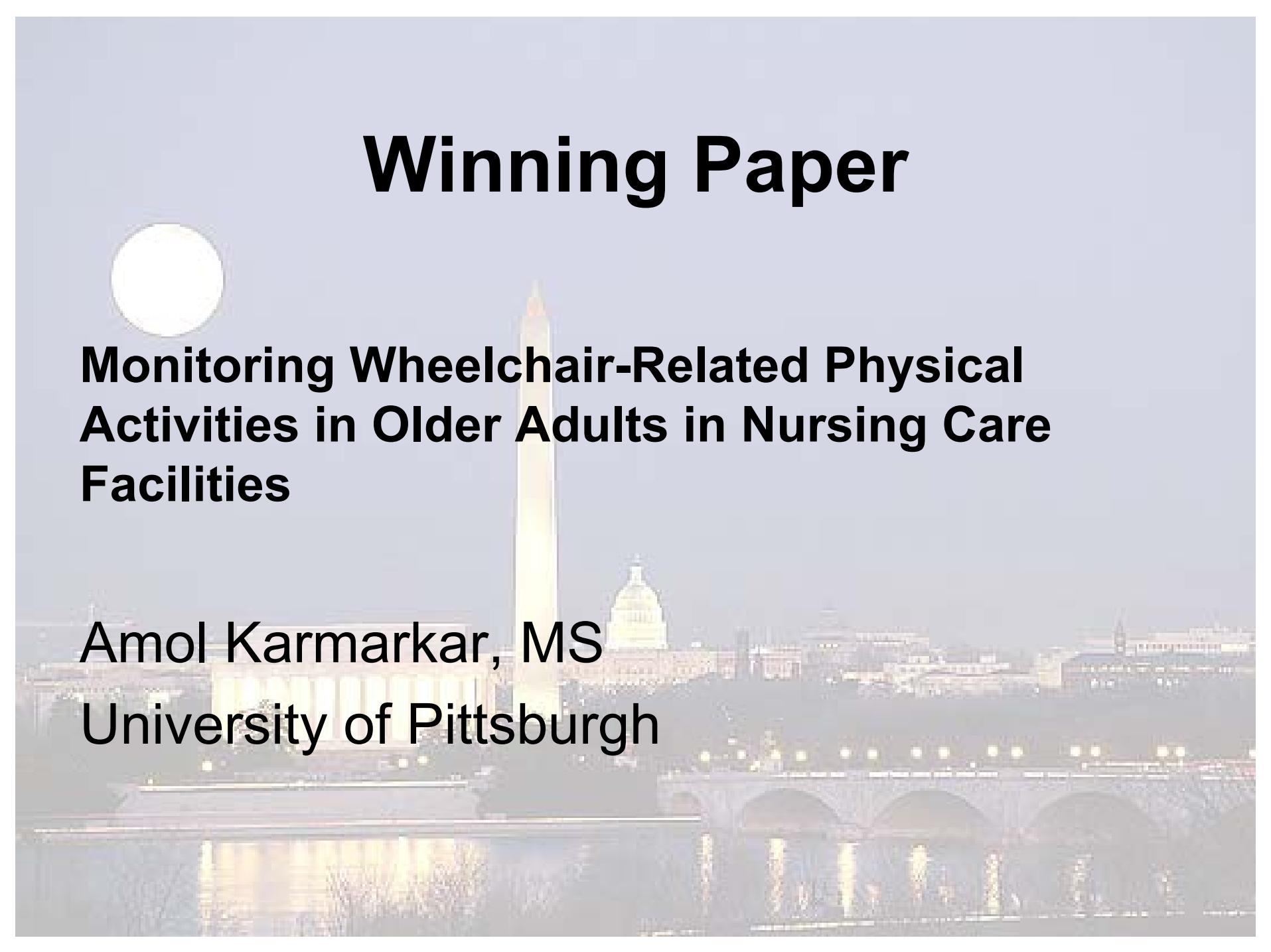
Dany Gagnon, PhD, PT
University of Pittsburgh

Winning Paper

**Shoulder Joint Loading for Three Types of
Lateral Wheelchair Transfers**

Padmaja Kankipati, MS
University of Pittsburgh

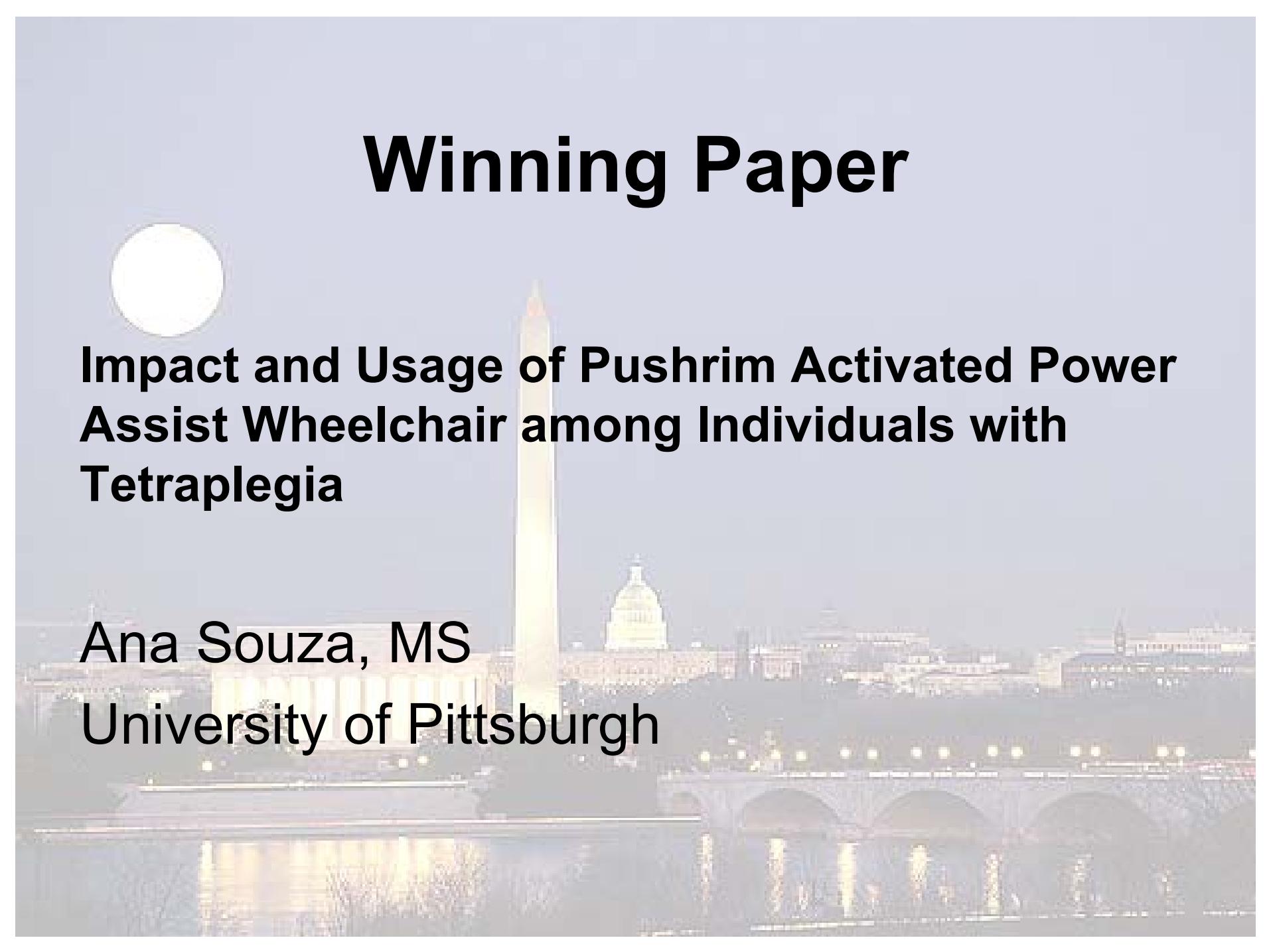
Winning Paper



Monitoring Wheelchair-Related Physical Activities in Older Adults in Nursing Care Facilities

Amol Karmarkar, MS
University of Pittsburgh

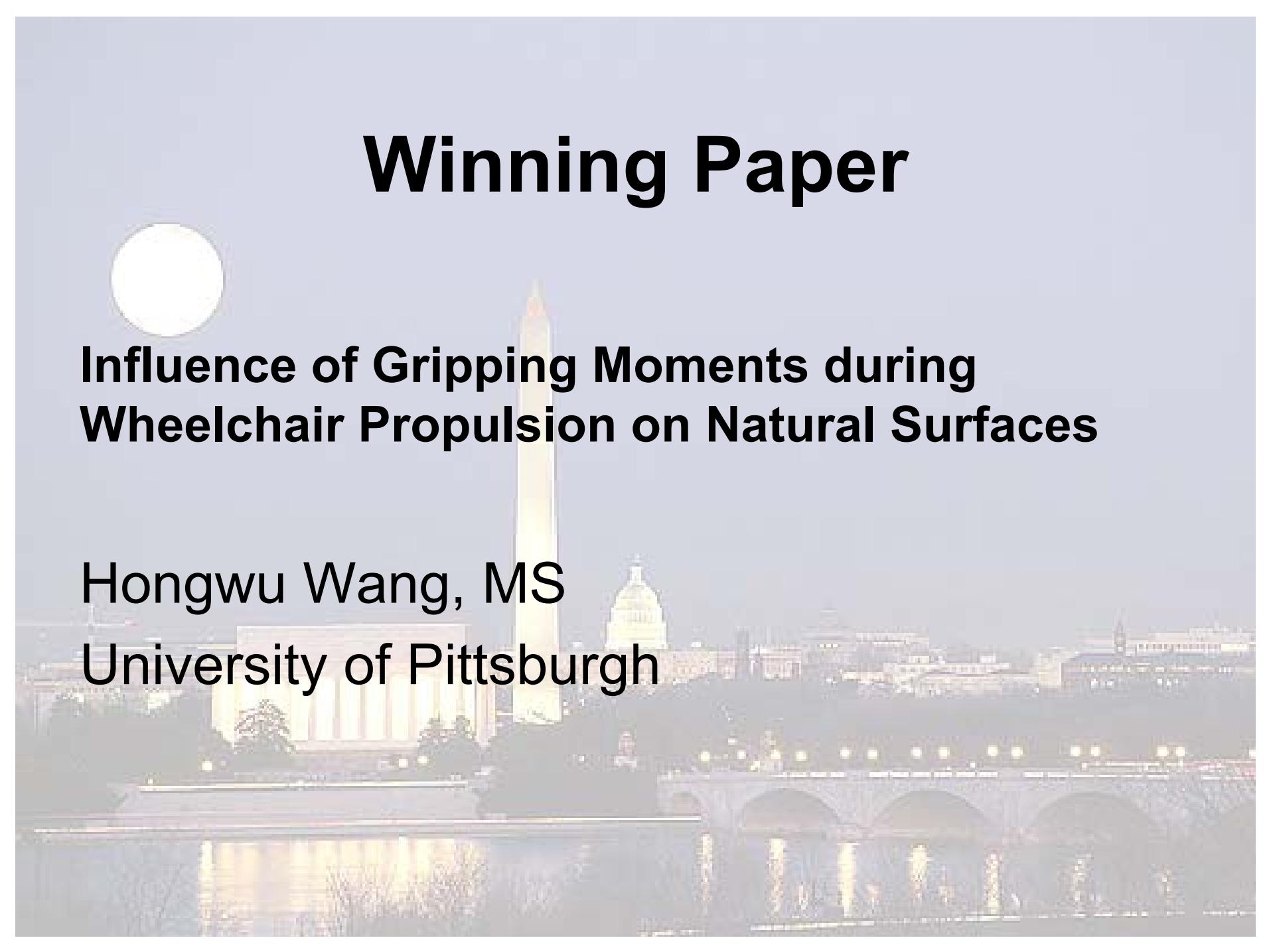
Winning Paper



Impact and Usage of Pushrim Activated Power Assist Wheelchair among Individuals with Tetraplegia

Ana Souza, MS
University of Pittsburgh

Winning Paper

A faint, grayscale background image of a bridge with arches and buildings, possibly the Washington Monument, at night. A bright light source on the left creates a lens flare effect.

**Influence of Gripping Moments during
Wheelchair Propulsion on Natural Surfaces**

Hongwu Wang, MS
University of Pittsburgh