

## Reza Osqueizadeh, M.Sc., B.Sc.

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### Interests

Design Thinking  
Ergonomics

Assistive Technology  
Anthropometrics

### Education

10/05-10/06

#### **M.Sc. in Ergonomics**

Loughborough University, UK

Thesis Title: Development of a Portable, Usable, and Reliable Anthropometry Kit.

10/97-10/01

#### **B.Sc. in Prosthetics & Orthotics**

Iran University of Medical Sciences, Iran

Thesis Title: Plantar Pressure Distribution Pattern during Gait in Patients with Pronated Feet.

### Academic Experience

06/08-Current

#### **Lecturer**

University of Social Welfare & Rehabilitation Sciences, Iran

- Teaching weekly undergraduate and postgraduate seminars.
- Setting varied seminar content with innovative teaching methods.
- Setting non-assessed essays and contributing to assessed question papers.
- Guiding students on strategic approaches to exam preparation.
- Offering individual and group feedback in written and verbal forms.

03/09-Current

**Member of Industrial Relations Research Committee**

University of Social Welfare & Rehabilitation Sciences, Iran

- Identifying related research priorities in industrial environments.
- Generating research ideas of common interest to industry and University's research potentials.
- Drawing up contracts with industrial partners.
- Holding regular workshops, allowing stakeholders to comment on completed projects and suggest areas of future work.

**Student Projects Co-Supervised**

- Participatory Ergonomics Approach to Redesign Industrial Chairs (*In progress*).
  - Performing anthropometric measurements on selected industrial workers
  - Carrying out Repertory Grid Technique to assess usability preferences.
- Persian Font Usability (*Completed 10/13*).
  - Studying the effect of Persian font typography on reading performance.
- The Effect of Menu Position on Persian Websites' Usability (*Completed 08/13*).
  - Tracking eye movements while browsing webpages with different layouts.
  - Investigating how menu position can affect visual performance.
- Anthropometric Study of Wheelchair Users in Tehran (*Completed 04/12*).
  - Considering static and dynamic anthropometry of the most popular wheelchairs.
  - Defining the optimal wheelchair dimensions to fit a sample of Iranian users.
- Physical Simulation of Arthritic Hand's Dysfunctions (*Completed 06/11*).
  - Thoroughly studied the hand symptoms of Rheumatoid Arthritis.
  - Designed and prototyped a glove to simulate the signs of an arthritic hand.

**Grants**

- Real-Time Visual feedback to Improve Trans-Tibial Amputee Gait (PI)
  - 2012 Deputy of Research & Technology's Grant: University of Social Welfare & Rehabilitation Sciences, Tehran, Iran, 2012 (*IRR 50,000,000*)
- Ergonomic Study to Enhance Library Furniture Usability (PI)
  - 2011 Deputy of Research & Technology's Grant: University of Social Welfare & Rehabilitation Sciences, Tehran, Iran, 2011 (*IRR 30,000,000*)
- Ergonomic Study to Enhance Workstation Design (PI)
  - Kaveh Industrial Group, Tehran, Iran, 2011 (*IRR 600,000*)

- Ergonomic Study to Enhance Workstation Design (PI)
  - Hadid Mobtakeran Company, Tehran, Iran, 2010 (IRR 800,000)
- Job-Site Analysis to Increase Productivity (PI)
  - MAPNA Industrial Group, Tehran, Iran, 2009 (IRR 15,000,000)

### Publications

- R Osquei-Zadeh, M Rousta-Nezhad: Novel Design of a Usable and Accurate Anthropometric Caliper, *International Journal of Occupational and Environmental Medicine*, 3(3), 126-35, 2012.
- R Osquei-Zadeh, J Ghamari, M Abedi, H Shiri: Ergonomic and Anthropometric Consideration for Library Furniture in an Iranian Public University, *International Journal of Occupational and Environmental Medicine*, 3(1), 19-26, 2012.

### Presentations

- R Osqueizadeh, H Nabavi, M Mobinali: Trans-Tibial Amputee Gait Pattern Correction through Real-Time Visual Feedback, *International Congress on Prosthetics & Orthotics*. Leipzig, Germany, May 2014.
- R Osqueizadeh, M Zamani: Ergonomics Design of Visual Tasks for Pre-School Children, *The 1<sup>st</sup> National Seminar on Pre-School Education and Health (Poster Presentation)*. Tehran, Iran, May 2012.
- R Osqueizadeh, M Roustanezhad: Amputee's Psychomotor Training in Virtual Environments, *The 10<sup>th</sup> National Congress on Prosthetics and Orthotics*. Tehran, Iran, May 2012.
- R Osqueizadeh, H Shiri: Ergonomic Design for Paraplegics, *The 1<sup>st</sup> International Seminar on Spinal Injuries*, Tehran, Iran, Nov 2010.
- R Osqueizadeh: Ergonomics and the Evaluation of Seat Comfort, *The 2<sup>nd</sup> International Conference on Furniture and Decoration*, Tehran, Iran, Oct 2010.
- J Ghamari, M Abedi, R Osqueizadeh: Increasing Accessibility through Inclusive Design Principles, *The 3<sup>rd</sup> National Seminar on Impairment Prevention (Poster Presentation)*, Tehran, Iran, Mar 2010.
- R Osqueizadeh: Ergonomic Design of Prostheses and Orthoses, *The 8<sup>th</sup> National Congress on Prosthetics and Orthotics*. Tehran, Iran, Nov 2008.

### **Non-Academic Experience**

- 05/09-Current      **Rehabilitation Ergonomist**  
Pro-Spine Prosthetics and Orthotics Center, Iran
- Performing ergonomic assessment on clients' home, workplace, and fitted assistive devices.
  - Proactive monitoring of return to work cases.
- 01/11-Current      **External Ergonomics Consultant**  
Spinal Injuries Research Center, Veterans' Affairs Foundation, Iran
- Holding group discussions with experts and delivering essential ergonomics information.
  - Developing project proposals with the focus on wheelchair usability.
- 11/02-02/05      **Prosthetist**  
Method Rehabilitation Center, Iran
- Designed and fitted several upper and lower limb prostheses.
  - Attended technical workshops on prosthetics.
  - Acted as the center delegate in a committee studying amputees' interaction with assistive technology.

### **Continuing Education and Recent Trainings**

#### ***Teaching Effectiveness***

- Tehran University of Medical Sciences, Tehran. 25/05/2013

#### ***Emotional Quotient***

- Tehran University of Medical Sciences, Tehran. 22/04/2013

#### ***Research in Education***

- University of Social Welfare & Rehabilitation Sciences, Tehran. 19/07/2012

#### ***Qualitative & Quantitative Research***

- University of Social Welfare & Rehabilitation Sciences, Tehran. 30-31/05/2011

#### ***Principles of Technology***

- Deputy of Research & Technology, Ministry of Health, Tehran. 19/05/2010

#### ***Rehabilitation in Visual Perception***

- Pediatric Neuro-Rehabilitation Research Center, Tehran. 24/10/2009

## Skills Profile

### ***Project Management***

- Completed all assigned projects within time and budget frames.

### ***Communication***

- Good written communication skills gained through production of project reports and other work commitments.
- Strong verbal communicator and presenter, evidenced through work with students, as well as conference presentations.

### ***Team Work***

- Developed great professional relationships with colleagues and project partners.

### ***Software***

- CATIA
  - *Ergonomics Design & Analysis*
  - *Conceptual Design*
- SolidWorks
  - *Parametric Modeling*
- Revit
  - *Layout and Workstation Design*

## Intellectual Properties

- Ergonomic Spinal Orthosis

Inventors: R Osqueizadeh, M Roustazehad

University of Social Welfare & Rehabilitation Sciences, Tehran, Iran

IRI Patent 79119

Issued: 14-02-2013

Filed: 08-04-2013

Published: 11-06-2013

## Academic and Professional Societies

- Iranian Scientific Association for Orthotics & Prosthetics

## Other Interests

- Skydiving
- Paragliding
- Swimming