




PERSONAL INFORMATION **Ladan Arab Yaghoubi**

 Hafez 20,zaheda, Iran  
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Sex Female | Date of birth 24/ 06/1986 | Nationality Iranian

## WORK EXPERIENCE

12 November 2017-  
30 July 2018

**Visitor Researcher**

Department of Information Engineering, University of Padova/Padova/Italy

[www.dei.unipd.it](http://www.dei.unipd.it)

Studying on Parkinson patient

- Collaborates with colleagues to share experience and knowledge

8 April 2016 – 31 May 2017

**Treatment of the patient**

Orthotic and prosthetic center, Nabi Akram hospital, Zahedan, Iran

<https://www.dr.saina.ir>

- Making orthotics and prosthesis for neuromuscular and skeletal and congenital patients

## EDUCATION AND TRAINING

23 Sep 2002 – 14 Jul 2006

**High school program in Applied and experimental Science**

Zahedan Farzanegan High School / Zahedan / Iran

29 sep 2007 - 23 jun 2011

**Bachelor of Orthotics and prosthetics**Isfahan University Of Medical Sciences / Isfahan / Iran <https://mui.ac.ir>

23 Sep 2011 – 23 sep 2015

**Master of Orthotics and prosthetics(clinical Biomechanics)**Isfahan University Of Medical Sciences / Isfahan / Iran <https://mui.ac.ir>

## PERSONAL SKILLS

Mother tongue(s)

**Persian**

Other language(s)

**English**

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
<b>B2</b>	<b>B2</b>	<b>B2</b>	<b>B2</b>	<b>B2</b>

Communication skills

**Speaks persuasively and articulately****Listens carefully and accurately**

Teamwork Skills

**Ability to work effectively in a team setting****Able to motivate team members to greater success**

Technical

**Proficient in:**

- Qualysis motion capture (QTM software)
- Human motion analysis(Track manager)
- Microsoft Office
- Adobe Photoshop
- AUTOCAD
- Visual 3D
- SPSS
- General Software

## Projects

**Study on Orthotics and Biomechanics**

- – During Bachelor program Study on  
The effect of different heel heights in static balance and movement pattern of lower limbs using Qualysis motion capture (QTM) – During Master program
- Study on The neurorehabilitation device Equistasi® impacts positively on the gait of Parkinson's disease  
Subjects-during visiting researcher
- Study on Effect of the Equistasi® device treatment in gait parameters of patient with Parkinson's disease- during visiting researcher

## Reference

**Professor Zimi Sawacha**

Assistant Professor,  
Department of Information Engineering, University of  
Padova Professor of Biomechanics  
Department of Medicine, University of Padova  
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**Professor Ebrahim Sadeghi-Demneh**

Associate Professor, Research Coordinator  
Prosthetics and Orthotics Department / Management Musculoskeletal  
Research Center Isfahan University of Medical Sciences, Esfahan, Iran.  
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**Professor Mohammad Karimi**

(PhD in Bioengineering, Bioengineering Unit, University of Strathclyde, Glasgow, UK)  
Associate Professor of Rehabilitation Faculty, Shiraz University of  
Medical Sciences, Shiraz, Iran.  
PhD candidate of Structural Mechanics, Bauhaus-Universität Weimar, Germany  
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E-mail: [MT\\_karimi@sums.ac.ir](mailto:MT_karimi@sums.ac.ir)

**Memberships**

- **Member of Iranian Researchers Club of Neurosciences**
- **Member of Iranian association of Orthotics and Prosthetics**
- **Member of International association of Orthotics and Prosthetic**

**Research interest**

- **Modelling of musculoskeletal systems**
- **disorders**
- **Gait, stability and energy consumption analysis (QTM)**
- **Evaluating the performance of the subjects with various musculoskeletal diseases**

**Gifts and honors**

- **invention a new protective knee brace for athletes**
- **deserving student in national artistic festival of medical universities**

## Publication and Presentation:

1. F. Spolaor<sup>1</sup>, A. Guiotto<sup>1</sup>, D. Pavan<sup>1</sup>, L. Arab Yaghoubi<sup>1</sup>, A. Peppe<sup>3</sup>, P. Paone<sup>3</sup>, Z. Sawacha, D. Volpe  
"the neurorehabilitation device Equistasi® impacts positively on the gait of Parkinson's disease Subjects"  
.ESMAC 27th Annual Meeting held in Prague, Czech Republic, 24. - 29. 9. 2018.
2. F. Spolaor<sup>1</sup>, A. Guiotto<sup>1</sup>, D. Pavan<sup>1</sup>, L. Arab Yaghoubi<sup>1</sup>, A. Peppe<sup>3</sup>, P. Paone<sup>3</sup>, Z. Sawacha, D. Volpe  
"the analysis gait of Parkinson's disease Subjects" 19th SIAMOC Annual Meeting held in Florence,  
Italy, 3-6.10. 2018
3. Sadeghi E, Arab Yaghoubi L,. The Effect Of Heel Height On Postural Stability In Healthy Young Females.  
JRRS Journal: 2015 Sep
4. Salari Moghadam F, Tahmasebi T, Arab Yaghoub L. Comparing functional electrical stimulation and ankle-foot orthosis and its role on the quality of gait in patients with drop foot caused by stroke: a review of literature. J Shahrekord Univ Med Sci. 2015; 17 (1) :97-104  
URL: <http://journal.skums.ac.ir/article-1-1900-fa.htm>
5. Arab Yaghoub L, Karimi MT. "The rehabilitation effect of Bionic glove (new orthotics) on neuromuscular patient (literature review)" International IANR VIII 8 12th GCNN congress(2016), .Iran. Poster Presentation
6. Arab Yaghoub L, Sadeghi E. "The effect of load carriage on the gait of girls with adolescent idiopathic scoliosis (literature review)". The 3th basic and clinical neuroscience congress(2016),, Iran. Poster Presentation
7. Arab Yaghoub L, Karimi MT. "The effect of Carig Scott Orthotics on spinal injury patients(literature review)". 5th symposium of world federation of neurosurgical societies(2016), .Iran. Poster Presentation
8. Arab Yaghoub L, Sadeghi E. "The Effect Of Different Heel Heights In Static Balance And Movement Pattern Of Lower limbs On Obstacle Crossing daily In Healthy Young Females(18-30olds)". 12th Iranian congress of orthotics and prosthesis(2016), , Iran. Oral Presentation
9. Arab Yaghoub L, Karimi MT. "Investing development models of IRGO orthotics compared with primary models of IRGO in spinal injury patients(literature review)" (2016),, 17th Congress of Iranian Society of Physical Medicine, Rehabilitation & Electro diagnosis. Iran. Oral Presentation