




ITA		
Name: Hoda	Specialty /Ph.D. : Biomedical Engineering, Biomechanics	
Surname: Nabavi		
Title/Degree: M. Sc.	Department of : Ergonomics	
Research Interests: Sport biomechanics Gait analysis Human movement analysis Orthopedic Biomechanics Ergonomics and Occupational Biomechanics Rehabilitation		
Google Scholar Profile: https://scholar.google.com/citations?hl=en&user=-fYarm4AAAAJ&view_op=list_works		Updated: 2016/6/13
Personal Information		Nationality: Iranian
Office address: Department of Ergonomics University of Social Welfare & Rehabilitation Sciences Kudakyar St.,Daneshjo Blvd.,Evin,Tehran,Iran Tel: (21)22180119 Fax: (21)22180119	E-mail: ho.nabavi@uswr.ac.ir nabavi@aut.ac.ir University URL: http://www.uswr.ac.ir	
Education		

Date	Degree	Duration	Institution	Country/City	Major
2012	M.Sc.	2 years	Amirkabir University of Technology (AUT)	Iran/Tehran	Biomedical Engineering Sports Engineering
2008	B.Sc.	4 years	Amirkabir University of Technology (AUT)	Iran/Tehran	Biomedical Engineering biomechanics
Faculty member					
Year	Position	Duration	Institution/Course	Location	
2008	Lab engineer	8 years	University of Social Welfare and Rehabilitation sciences (USWR)	Tehran/Iran	
Field of Specialization					
Biomechanical engineering					
Sport biomechanics					
Rehabilitation biomechanics					
Biological Signal Processing					
Biological systems modeling					
Gait analysis					
Language Ability					
- Persian					
- English					
Teaching Experience					
Biomechanics lab course					
Symposia/Programs/Workshops					
Year	Position	Duration	Institution/Course	Location	

Feb 2014	Instructor	2 days	University of Social Welfare and Rehabilitation sciences (USWR)/motion analysis	Tehran/Iran
Oct 2013	participant	32 hours	University of Social Welfare and Rehabilitation sciences (USWR)/Matlab	Tehran/Iran
July 2011	participant	1 day	International Society of Biomechanics(ISB)/OpenSim	Leuven/ Belgium
Sep 2011	Instructor	1 day	University of Social Welfare and Rehabilitation sciences (USWR)/motion analysis	Tehran/Iran
Nov 2011	Instructor	1 day	University of Social Welfare and Rehabilitation sciences (USWR)/motion analysis	Tehran/Iran
May 2010	participant	40 hours	University of Social Welfare and Rehabilitation sciences (USWR)/Macro Ergonomics	Tehran/Iran
Sep 2008	participant	1 day	University of Social Welfare and Rehabilitation sciences (USWR)/Project design and management	Tehran/Iran
Sep 2008	participant	120 hours	Amirkabir University of Technology (AUT) /Medical equipment maintenance	Tehran/Iran
Administrative Responsibilities				
Year	Position	Institution/Event		Location
Since 2008	Biomechanics lab engineer	University of Social Welfare and Rehabilitation sciences (USWR)		Iran/Tehran

Academic and Scientific Responsibilities

Year	Responsibility
2015	Ms thesis advisor M. naseri, “The assessment of prosthetic socket fitting on kinematic and spatiotemporal gait parameters in people with below knee amputation.”, University of Social Welfare and Rehabilitation Sciences
2014	Ms thesis advisor A. gordehani, “assessment the immediate effect of forefoot rocker on kinematics and spatio_temporal gait parameters in patients with diabetic type 2.”, University of Social Welfare and Rehabilitation Sciences
2014	Ms thesis advisor N. Tohidi, “Analyzing the effect of socket fit on kinetic parameters of gait in below knee amputees.”, University of Social Welfare and Rehabilitation Sciences
2013	Ms thesis advisor A. Daryabor, “The effect of standard heel, beveled heel and positive posterior heel flare in the orthopedic shoes on ground reaction force during walking in healthy subjects.”, Tehran University of Medical Sciences

Publications

1. Journals

Year	Journal name	Article title	Vol. & Page
2015	Prosthetics and orthotics international	Influence of heel design in an orthopedic shoe on ground reaction forces during walking	0309364615 596065
2015	Journal of Sport Biomechanics	Trans-Tibial Amputee Gait Correction through Real-Time Visual Feedback	Vol 2, Issue 3
2015	Journal of Bodywork and Movement Therapies	Reliability of ultrasound thickness measurement of the abdominal muscles during clinical isometric endurance tests.	Vol 19, Issue 3
2015	Journal of Sports Sciences	An alternative approach to describing agility in sports through establishment of a	Vol 33, Issue 13

		relationship between velocity and radius of curvature	
2013	Journal of Rehabilitation (In Persian)	The effect of standard and beveled heels of orthopedic shoe on vertical ground reaction forces during walking in healthy subjects	Vol 14, Number3
2013	Iranian Journal of War and Public Health (In Persian)	The effect of standard heel and positive posterior heel flare of orthopedic shoe on vertical ground reaction forces during walking.	Vol 5, Number 4
2013	Prosthetics and orthotics international	The effect of patellofemoral bracing on walking in individuals with patellofemoral pain syndrome.	0309364613 476535
2012	International Journal of Occupational & Environmental Medicine	The Effect of Shoe Sole Tread Groove Depth on the Gait Parameters during Walking on Dry and Slippery Surface	Vol 4, Number 1

2. Books

Year	Book title	Publisher	Location
2013	Motion Analysis System (Application & Data processing)	Hatmi Publication	Iran/Tehran

Research Paper Presented in Conferences / Seminars

Year	Conference/Seminar	Paper title	Location
2014	OTWorld congress	Trans-tibial amputee gait pattern correction through real-time visual feedback: a pilot study	Leipzig/ Germany
2012	2nd National Congress on Rehabilitation Engineering	Virtual Reality in Telemedicine and Telehealth. (in Persian)	Tehran/ Iran
2011	16 th Annual Congress of the European college of sport (ECSS)	Measuring local dynamic stability of athlete in agility drill using Lyapunov Exponent	Liverpool/ UK

2011	International Society of Biomechanics(ISB)	Qualitative analysis of an agility drill using different state spaces: a dynamical system approach	Leuven/ Belgium
2010	6th World Congress of Biomechanics (WCB)	Comparison of single and double inverted pendulum models in determining cerebral palsy trunk muscles in sitting position: A subject specific approach	Singapore
2010	23 rd European Society of Biomechanics (ESB)	Comparison of Ankle Dynamic Stability in Beginner and Sub Elite Sprinters during Takeoff in Vertical Jumps	Tampere/ Finland
2009	Iranian conference on biomedical engineering (ICBME)	Biomechanical analysis of gait kinematical variables of athlete with functional ankle instability (In Persian)	Tehran/ Iran