Curriculum Vitae

Personal information

First name / Surname **Eleni GRIMPAMPI**

E-mail eleni.grimpampi@gmail.com

Personal website http://grimpampi.eu

Nationality Hellenic (Greek)

Date of birth 20.09.1978

Gender Female

Professional experience

Dates March 2018 - today

Position held **Research & Development Engineer**

Main activities and responsibilities Working in a research team conducting biomechanical evaluation of sportswear products through research, development and testing.

Name of employer Movement Sciences, Decathlon SportsLab, Decathlon SE, France

Dates June 2015 – January 2017

Position held **Research Associate**

Main activities and responsibilities Working in an interdisciplinary research team and conducting running studies focusing in biomechanical analysis. Collaborating with non-academic team (industrial research evaluation)

Name of employer Laboratory of Biomechanics, Institut Des Sciences Du Mouvement Etienne Jules Marey, Aix-Marseille University, Marseille, France

Dates January 2013 – January 2016

Position held **Adjunct Professor**

Main activities and responsibilities Adjunct professor, course of “Physics in Sports Science”, degree in “Scienze delle attività Motorie e Sportive”

Name of employer University of Rome “San Raffaele”, via di Val Cannuta 247, Rome, Italy

Dates October 2010 – February 2015

Position held **Research Associate**

Main activities and responsibilities Working in a research team carrying out biomechanical analysis in the field of normal and pathological gait analysis

Name of employer	Interuniversity Centre of Bioengineering of The Human Neuromusculoskeletal System, University of Rome "Foro Italico", Piazza Lauro de Bosis 6, 00194, Rome, Italy
Dates	August 2009 – February 2010
Position held	**R&D Postdoctoral Researcher**
Main activities and responsibilities	Working in ADIDAS research team carrying out biomechanical evaluation of running shoes (concept and product evaluation)
Name of employer	ADIDAS AG, adidas innovation team (ait.), Adi-Dassler-Straße 24-26, 91443 Scheinfeld, Germany
Dates	A.Y. 2007-2008, A.Y. 2008-2009
Position held	**Teaching Assistant**
Main activities and responsibilities	Teaching Assistant, course of "Biomechanics of Adaptive Sports", degree in "Scienze e Tecniche delle Attività Motorie Preventive e Adattate"
Name of employer	School of Medicine and Surgery, University of Rome "Tor Vergata", Via Montpellier 1 00133 Rome, Italy
Dates	A.Y. 2005-2006
Position held	**Adjunct Professor**
Main activities and responsibilities	Adjunct professor, course of "Mathematics" (foundation course for Physics and Biomechanics), degree in "Scienza e Tecnica dello Sport"
Name of employer	School of Medicine and Surgery, University of Rome "Tor Vergata", Via Montpellier 1 00133 Rome, Italy
Dates	A.Y. 2005-2006, A.Y. 2006-2007, A.Y. 2007-2008
Position held	**Honorary Fellow (*Cultore della materia*) in Sports Biomechanics**
Main activities and responsibilities	Honorary Fellow, course "Sports Biomechanics", degree in "Scienza e Tecnica dello Sport"
Name of employer	School of Medicine and Surgery, University of Rome "Tor Vergata", Via Montpellier 1 00133 Rome, Italy
Dates	A.Y. 2004-2005, A.Y. 2005-2006
Position held	**Teaching Assistant**
Main activities and responsibilities	Teaching Assistant, course of "Sports Biomechanics I", degree in "Scienza e Tecnica dello Sport"
Name of employer	School of Medicine and Surgery, University of Rome "Tor Vergata", Via Montpellier 1 00133 Rome, Italy

Education and training

Dates	2005-2009
Title of qualification awarded	**Doctor of Philosophy (PhD) in Sports Biomechanics**
Principal subjects/occupational skills covered	Thesis Title: "An integrated approach to whole-body vibration". Determine and quantify the effects of whole-body vibration to the human body in terms of energy expenditure by means of the variation in superficial temperature, the relative displacement of the muscles and the oxygen uptake. Professor Tutor: Prof. Attilio Sacripanti
Name and type of organization providing education and training	University of Rome "Tor Vergata" - School of Medicine and Surgery in collaboration with ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), Italy
Dates	2003-2004
Title of qualification awarded	**Masters Degree in Sport Sciences and Techniques (*Laurea Specialistica in Scienza e Tecnica dello Sport*)**
Principal subjects/occupational skills covered	Thesis Title: "Heat transfer in Biomechanics - recent software applications and experimental evaluation" (Biomeccanica dello Scambio Termico - moderne applicazioni software e valutazioni sperimentali). Final grade: 105 / 110

Name and type of organization providing education and training	University of Rome “Tor Vergata” - School of Medicine and Surgery, Italy
Dates	2002-2003
Title of qualification awarded	**Masters Degree in Sport Science and Fitness, specialization in Functional Evaluation (*Master di 2° Livello in Scienze delle Attività Sportive e del Fitness, specializzazione in valutazione funzionale*)**
Principal subjects/occupational skills covered	Thesis Title: “Comparison between isometric, isokinetic and isotonic methods for the functional evaluation” (La valutazione funzionale attraverso il confronto tra le metodiche isometriche, isocinetiche ed isotoniche). Final grade: 100 / 110
Name and type of organisation providing education and training	University of Rome “Tor Vergata” - School of Medicine and Surgery, Italy
Dates	1997-2001
Title of qualification awarded	**4 years Degree in Physical Education and Sport Science**
Principal subjects/occupational skills covered	Specialization in Alpine Skiing. Final grade: 6.50/10
Name and type of organisation providing education and training	National and Capodistrian University of Athens - Faculty of Physical Education and Sport Science, Greece

Scholarships

Dates	2007
	PhD Scholarship from the Italian Ministry of Foreign Affairs. Duration: 6 months
Dates	2007
	PhD Scholarship from Alexander S. Onassis Public Benefit Foundation. Duration: 15 months

Personal skills and competences

Mother tongue **Greek**

Other languages

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
Italian	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
German	B2 Independent User	B2 Independent User	B2 Independent User	B2 Independent User	B2 Independent User
French	B1 Basic User	B1 Basic User	B1 Basic User	B1 Basic User	B1 Basic User

(*) *Common European Framework of Reference for Languages*

Language Degrees	1995 Cambridge First Certificate in English 2000 Certificazione Celi 3 in italiano – Università di Perugia per gli stranieri 2019 Bright Certificate langue française B1
Language courses	2007 German A1.1-1.2, Goethe Institut Rome 2008 German B1.1, Goethe Institut Berlin 2009 German B2.2, Goethe Institut Rome 2010 German C1 Goethe Institut Rome 2011 German C2, Goethe Institut Rome 2012 German C3, Goethe Institut Rome

Computer skills and competences	Expert user of 3D Motion Capture Systems (Vicon Nexus, Qualisys, BTS Smart-D, SIMI Motion) Expert user of Inertial Measurements Units Systems Advanced user of MS Office suite (Excel, Word, PowerPoint, Visio) Advanced programmer (Matlab)
Driving licence	Category B

Additional information

FURTHER WORK EXPERIENCE
Dates: 2000 – 2004
Ski Instructor with the Klaoudatos Ski School at the Kalavruta and Parnassos Ski Centres
http://www.klaoudatos.gr/ski_school_en.htm

REVIEWER OF INTERNATIONAL SCIENTIFIC JOURNALS
Journal of Clinical Biomechanics
Journal of NeuroEngineering and Rehabilitation
PLoS ONE Journal

MEMBERSHIPS
Member of the European Society of Biomechanics (ESB, www.esbiomech.org)
Member of the Italian Society of Clinical Movement (SIAMOC, http://www.siamoc.it/)

PERSONAL INTERESTS
I enjoy reading, computing and socializing with friends
My hobbies include Pilates machines, crochet, and travelling

Annex A: Publications

International Journals

Grimpampi E, Willy RW, Jacques A, Berton E, Rao G. Biomechanical adaptations in outdoor graded running and trunk accelerometry as a viable surrogate of assessing biomechanical features related to injury risks. Journal of Sports Sciences (under review)

Grimpampi E, Masci I, Pesce C, Vannozzi G. Quantitative assessment of developmental levels in overarm throwing using wearable inertial sensing technology. Journal of Sports Sciences, vol.28, pp. 1-7, 2016

Grimpampi E, Oesen S, Halper B, Hofmann M, Wessner B, and Mazzà C. Reliability of gait variability assessment in older individuals during a six-minute walk test. Journal of Biomechanics, vol.48(15), pp.4185-9. doi: 10.1016/j.jbiomech.2015.10.008, 2015

Riva F, Grimpampi E, Mazzà C, and Stagni R. Are gait variability and stability measures influenced by directional changes? BioMedical Engineering OnLine, vol.13(56), doi:10.1186/1475-925X-13-56, 2014

Grimpampi E, Camomilla V, Cereatti A, del Leva P, and Cappozzo A. Metrics for Describing Soft Tissue Artefact and Its Effect on Pose, Size and Shape of Marker Clusters. IEEE Transactions on Biomedical Engineering, vol. 61(2), pp. 362-7, 2014

Grimpampi E, Bonnet V, Taviani A, Mazzà C. Estimate of lower trunk angles in pathological gaits using gyroscope data. Gait & Posture, vol. 38(3), pp. 523-527, 2013

McCamley J, Donati M, Grimpampi E, and Mazzà C. An enhanced estimate of initial contact and final contact instants of time using lower trunk inertial sensor data. Gait & Posture, vol. 36(2), pp. 316-318, 2012

Grimpampi E. Snow sports researches: state of art and recent developments. Coaching & Sport Science Journal, vol. 3(1), 2008

International conference proceedings on Refereed International Journals

Grimpampi E, Oesen S, Halper B, Hofmann M, Wessner B, and Mazzà C. Analysis of gait variability during a 6-minute walk test in older adults. 22nd Annual Meeting of the European Society for Movement Analysis in Adults and Children, ESMAC 2013, Glasgow, Scotland, September 2-7, 2013, Gait & Posture, vol. 39 (Suppl. 1), pp S14, 2014

McCamley J, Mazzà C, Donati M, Grimpampi E, and Cappozzo A. Measuring spatio-temporal features of level walking using a single waist mounted inertial sensor. XII Congresso Nazionale Società Italiana di Analisi del Movimento in Clinica (SIAMOC), Bosisio Parini, September 28-October 1, 2011, Gait & Posture, vol. 35 (Suppl. 1), pp. S20-S21, 2012

Grimpampi E, Camomilla V, Cereatti A, and Cappozzo. A. Quantitative assessment of soft tissue artefact propagation to the marker cluster level. 18th Congress of the European Society of Biomechanics, ESB 2012, Instituto Superior Tecnico, Lisbon, Portugal, July 1-4, 2012, Journal of Biomechanics, vol. 45 (Suppl. 1), pp. S296, 2012

International conference proceedings

Grimpampi E, Oesen S, Halper B, Hofmann M, Wessner B, and Mazzà C. Gait Variability in Older Healthy Women as Assessed During a 6-Minute Walk Test. 19th Congress of the European Society of Biomechanics, ESB 2013, University of Patras, Patras, Greece, August 25-28, 2013

Grimpampi E, Camomilla V, Cereatti A, and Cappozzo A. Considerations on Marker Soft Tissue Artefact Propagation to Bone Pose Estimates. XXIV Congress of the Internatinal Society of Biomechanics, ISB 2013, Natal, Rio Grande do Norte, Brazil, August 4-9, 2013

Riva F, Grimpampi E, Mazzà C, and Stagni R. Le misure di variabilità e stabilità sono influenzate dai cambi direzionali? XIV Congresso Nazionale Società Italiana di Analisi del Movimento in Clinica, SIAMOC 2013, Pisa, September 26-28, 2013

McCamley J, Mazzà C, Grimpampi E, Taviani A, Nesi B, and Cappozzo A. Using a single waist mounted inertial measurement unit for the estimation of gait event timing. Terzo Congresso del Gruppo Nazionale di Bioingegneria, GNB 2012, Rome, Italy, June 26-29, 2012

Grimpampi E, Bonnet V, Taviani A, and Mazzà C. Estimate of lower trunk angles using gyroscope data in pathological gait. International Conference on NeuroRehabilitation (ICNR), Toledo, Spain, November 14-16, 2012

Mazzà C, McCamley J, Grimpampi E, Taviani A, Nesi B, and Cappozzo A. Estimating gait event timing for pathological subjects using a single inertial measurement unit. 20th Congress of International Society for Posture and Gait Research (ISPGR), Trondheim, Norway, June 24-28, 2012

Grimpampi E, Sacripanti A. Advances in the biomechanical approach to standing human body vibration. Movement Biomechanics and Sport European Society of Biomechanics Workshop, ESB 2009, ETH Zurich, Switzerland, June 7-9, 2009

Grimpampi E, Pasculli A, and Sacripanti A. Computational Biomechanics, Stochastic Motion and Team Sports. Proceedings of the Sixth International Conference on Engineering Computational Technology, Athens, Greece, September 2-5, 2008