

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name and Surname **ALFREDO CINIGLIO**  
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Nationality Italian  
Date of birth 27/04/1990

**WORK EXPERIENCE**

- Dates 04/2019 – in progress
- Name and address of employer Dept. of Information Engineering, University of Padova, Padova, Italy
- Type of business or sector University, Research, Human Movement Analysis
- Occupation or position held Research scholarship
- Main activities and responsibilities Human Movement and foot pressure data analysis.
  
- Dates 10/2019 – 01/2020
- Name and address of employer Dept. of Information Engineering, University of Padova, Padova, Italy
- Type of business or sector University, Research, Human Movement Analysis
- Occupation or position held Teaching Activity
- Main activities and responsibilities
  - Teaching Support;
  - Teaching ability of the use of Opensim;
  - Preparing and editing papers.
  
- Dates 06/2010 – 12/2010
- Name and address of employer Seggeco S.R.L., Napoli
- Type of business or sector Distribution of materials of the building field
- Occupation or position held Attache office sales
- Main activities and responsibilities
  - Handling of goods in warehouse;
  - Statistics on products;
  - Anagraphical files and coding.

## ISTRUZIONE E FORMAZIONE

- Dates 10/2018 – 04/2019
- Name and type of organization providing education and training Erasmus Traineeship  
KU Leuven, Leuven, Belgio
- Principal subjects/occupational skills covered
  - Finite elements modeling (Abaqus);
  - Data analysis and Statistics;
  - Research methodologies;
  - Musculoskeletal modeling and dynamic simulation (Opensim).
  
- Dates 11/2015 – 09/2018
- Name and type of organization providing education and training University of Padova, Padova, Italy
- Principal subjects/occupational skills covered
  - Biomechanics;
  - Human movement analysis;
  - Biological signal processing;
  - Fluid dynamics;
  - Thesis: Biomechanical Analysis of the lower limb in injury prevention: comparison between field and laboratory analysis.  
Rapporteur: Zimi Sawacha
- Title of qualification awarded Master in Bioengineering (89/110)
  
- Dates 09/2009 – 11/2015
- Name and type of organization providing education and training University of Napoli "Federico II"
- Principal subjects/occupational skills covered
  - Thesis: Innovative technologies and materials in dentistry.  
Rapporteur: Antonio Gloria. Rapporteur: Zimi Sawacha
- Title of qualification awarded Bachelor Degree in Biomedical Engineering (87/110)

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE ITALIAN

OTHER LANGUAGES

ENGLISH

- Reading skills GOOD
- Writing skills GOOD
- Verbal skills GOOD

## SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential*

- Teamwork;
- Good ability to adapt to multicultural and multidisciplinary environments, achieved thanks to experience abroad.

## ORGANISATIONAL SKILLS AND COMPETENCES

*Excellent management and coordination skills thanks to the project carried out at the University of Padova*

- Workflow organization;
- Recruiting participants (for studies and research);
- Aptitude in planning;
- Respect of project deadlines;
- Ability to work under stress.

## **TECHNICAL SKILLS AND COMPETENCES**

*Excellent technical skills and competences thanks to the thesis and work experiences carried out at the "Human Movement Bioengineering Laboratory", University of Padova*

IT:

- MatLab;
- Smart Capture, Smart Tracker, Smart Analyzer (BTS);
- Pedar X-Online;
- Pedar Steps;
- Emed Link;
- MOtoNMS;
- Opensim;
- EMG-Analyzer (BTS);
- Abaqus;
- Mokka;
- Microsoft Office;
- IBM SPSS Statistics;
- C++;
- Motorola 68000;
- Java.

TECHNICAL:

- Geometry and simulation (CAD e FEM);
- Human Movement acquisition data, using specific equipment;
- Processing data relating to kinematics and joint kinetics (static and dynamic);
- Plantar pressure data processing (static and dynamic).

SPECIFIC EQUIPMENT FOR MOTION ANALYSIS:

- Optoelectronic system: Smart BTS (6,8,12 cameras), Motion Analysis Corporation;
- Video Motion Capture: commercial cameras (GoProHero3, 3+);
- Force platforms: Bertec (FP4060);
- Plantar pressures: Novel e SensorMedica;
- Electromyographs: BTS (FreeEMG 1000).

## **CERTIFICATES**

Pulmonary resuscitation course

University of Padova and "Padova fa battere il cuore" Association

- Recognition of cardiac arrest;
- Rescue alert;
- Performing heart massage;
- Use of the semiautomatic defibrillator.

Opensim Workshop

KU Leuven

- Uses and applications;
- Scaling, Inverse Kinematics, Inverse Dynamics and Static Optimization;
- Computed Muscle Control;
- Joint Reaction Analysis.

Attendance of a Course of English in London

Frances King. School of English

- Level D – Upper Intermediate 1 (CEFR B2)

## **DRIVING LICENSE**

License B

- INTERNATIONAL CONGRESS Annamaria Guiotto, Tiago Malaquias, **Alfredo Ciniglio**, Marco Acquaviva, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha. "Multiscale Modeling in Diabetic Foot Prevention: A Muscle Forces Driven Approach". Book of Abstract International Society of Biomechanics (ISB), 31<sup>st</sup> July 2019 to 4<sup>th</sup> August 2019, Calgary (CA) - Poster
- Annamaria Guiotto, Tiago Malaquias, **Alfredo Ciniglio**, Marco Acquaviva, Hoa Hoang, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha. "Foot intrinsic muscle forces impact on internal stresses and strain on diabetic foot subjects". European Society for Movement Analysis in Adults and Children (ESMAC), 23<sup>rd</sup> to 28<sup>th</sup> September 2019, Amsterdam (NL) - Oral
- Alfredo Ciniglio**, Federica Cibir, Davide Pavan, Annamaria Guiotto, Fabiola Spalor, Zimi Sawacha. "Comparison between field and laboratory analysis in ACL injuries prevention: a pilot study". European Society for Movement Analysis in Adults and Children (ESMAC), 23<sup>rd</sup> to 28<sup>th</sup> September 2019, Amsterdam (NL) - Poster
- Annamaria Guiotto, Tiago Malaquias, **Alfredo Ciniglio**, Marco Acquaviva, Hoa Hoang, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha. "Foot intrinsic muscle forces impact on internal stresses and strain on diabetic foot subjects". Italian Chapter of the European Society of Biomechanics (ESB-ITA), 30<sup>th</sup> September 2019 to 1<sup>st</sup> October 2019, Bologna (IT) - Oral
- Alfredo Ciniglio**, Federica Cibir, Davide Pavan, Annamaria Guiotto, Fabiola Spalor, Marco Iozzino, Enrico Furlan, Zimi Sawacha, "*Can laboratory based ACL screening efficiently portray on the field knee loading? A pilot study*". Società Italiana di Analisi del Movimento in Clinica (SIAMOC), 9<sup>th</sup> to 12<sup>nd</sup> October 2019, Bologna (IT) - Oral
- Annamaria Guiotto, Tiago Malaquias, **Alfredo Ciniglio**, Marco Acquaviva, Hoa Hoang, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha, "*The diabetic foot prevention: how model-based assessment of plantar tissues internal stresses can inform clinical practice*". Società Italiana di Analisi del Movimento in Clinica (SIAMOC), 9<sup>th</sup> to 12<sup>nd</sup> October 2019, Bologna (IT) – Poster
- Alfredo Ciniglio**, Annamaria Guiotto, Zimi Saacha, "Plantar pressure sensors configurations to meet different applications". International Foot and Ankle Biomechanics i-FAB, 5<sup>th</sup> to 8<sup>th</sup> 2020, San Paulo (Br) – Oral
- Annamaria Guiotto, Tiago Malaquias, **Alfredo Ciniglio**, Marco Acquaviva, Hoa Hoang, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha, "The diabetic foot prevention: how model-based assessment of plantar tissues internal stresses can inform clinical practice". International Foot and Ankle Biomechanics i-FAB, 5<sup>th</sup> to 8<sup>th</sup> 2020, San Paulo (Br) – Oral
- Alfredo Ciniglio**, Marco Acquaviva, Annamaria Guiotto, Tiago Malaquias, Hoa Hoang, Gabriella Guarneri, Angelo Avogaro, Ilse Jonkers, Zimi Sawacha, "Importance of measuring foot intrinsic and extrinsic muscle forces in diabetic subjects". International Foot and Ankle Biomechanics i-FAB, 5<sup>th</sup> to 8<sup>th</sup> 2020, San Paulo (Br) – Oral

**ADDITIONAL INFORMATION** Italian Clinical Movement Analysis Company (SIAMOC) member.

## ANNEXES