

PERSONAL INFORMATION

Giulia Pascoletti

EDUCATION AND TRAINING

2017-now	DOCTORATE IN INDUSTRIAL AND INFORMATION ENGINEERING University of PERUGIA - Department of Engineering
2015-2017	DEGREE IN MECHANICAL ENGINEERING University of PERUGIA - Department of Engineering 2nd level degree - Master
2010-2015	DEGREE IN MECHANICAL ENGINEERING University of PERUGIA - Department of Engineering 1st level degree - Degree/Bachelor

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2 Independent	B2 Independent	B2 Independent	B2 Independent	B2 Independent
English: University of Cambridge, ESOL Examinations – First Certificate in English, European level: B2					
Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages					

Digital competences Good competences gained through the participation as doctorate student at international conferences and Ph. D. schools.

Digital Competences **Basic digital competence:** Operating systems (Good), Programming languages (Good), Word processing (Good), Electronic spreadsheet (Good), Data base administrators (Fair), CAD skills (Good), Internet skills (Good), Multimedia (Good), **Programming languages known:** (Fortan Matlab)
Software applications: (Matlab Ansys Adams Solidworks Autocad)

Driving licence • B

ADDITIONAL INFORMATION

- Journal articles
- "A new generation of bio-composite thermoplastic filaments for a more sustainable design of parts manufactured by FDM"; Cali, M., Pascoletti, G., Gaeta, M., Milazzo, G., Ambu, R.; Applied Sciences (Switzerland); MDPI (2020)
[10.3390/app10175852](https://doi.org/10.3390/app10175852)
- "On-site testing of sutured organs: An experimental set up to cyclically tighten sutures"; Pascoletti G., Pressanto M.C., Putame G., Terzini M. Audenino A.L., Zanetti E.M.; Journal of the Mechanical Behavior of Biomedical Materials; Elsevier (2020)
[10.1016/j.jmbbm.2020.103803](https://doi.org/10.1016/j.jmbbm.2020.103803)
- "Dynamic characterization of the biomechanical behaviour of bovine ovarian cortical tissue and its short-term effect on ovarian tissue and follicles"; Pascoletti G., Di Nardo M., Fragomeni G., Barbato V., Capriglione T., Gualtieri R., Taòvei R., Catapano G., Zanetti E.M.; Materials; Elsevier (2020)
[10.3390/MA13173759](https://doi.org/10.3390/MA13173759)
- "Mechanical Behavior of Elastic Self-Locking Nails for Intramedullary Fracture Fixation: A Numerical Analysis of Innovative Nail Designs"; Putame, G., Pascoletti, G., Terzini, M., Zanetti, E.M., Audenino, A.L.; Frontiers in Bioengineering and Biotechnology; Frontiers (2020)
[10.3389/fbioe.2020.00557](https://doi.org/10.3389/fbioe.2020.00557)
- "Data from cyclic tensile tests on sutured organs to evaluate creep behaviour, distraction, and residual thread strength"; Pascoletti G., Pressanto M.C., Putame G., Terzini M., Franceschini G., Zanetti E.M.; Data in Brief; Elsevier (2020)
[10.1016/j.dib.2020.105644](https://doi.org/10.1016/j.dib.2020.105644)
- "Design of a loading system for cyclic test on sutured organs"; Pascoletti G., Pressanto M.C., Putame G., Terzini M., Franceschini G., Zanetti E.M.; MethodsX; Elsevier (2020)
[10.1016/j.mex.2020.100988](https://doi.org/10.1016/j.mex.2020.100988)
- "Multibody Models for the Analysis of a Fall From Height: Accident, Suicide, or Murder?"; G. Pascoletti, D. Catelani, P. Conti, F. Cianetti, E. M. Zanetti; Frontiers in Bioengineering and Biotechnology; Frontiers (2019)
[10.3389/fbioe.2019.00419](https://doi.org/10.3389/fbioe.2019.00419)
- "Numerical Simulation of an Intramedullary Elastic Nail: Expansion Phase and Load-Bearing Behavior"; G. Pascoletti, F. Cianetti, G. Putame, M. Terzini and E. M. Zanetti; Frontiers in Bioengineering and Biotechnology; Frontiers (2018)
[10.3389/fbioe.2018.00174](https://doi.org/10.3389/fbioe.2018.00174)
- "Clinical Assessment of Dental Implant Stability During Follow-Up: What Is Actually Measured, and Perspectives"; E. M. Zanetti, G. Pascoletti, M. Cali, C. Bignardi, G. Franceschini; Biosensors; MDPI (2018)
[10.3390/bios8030068](https://doi.org/10.3390/bios8030068)
- "Modal analysis for implant stability assessment: Sensitivity of this methodology for different implant designs"; E. M. Zanetti, S. Ciaramella, M. Cali, G. Pascoletti, M. Martorelli, R. Asero, D. C. Watts; Dental Materials; Elsevier (2018)
[10.1016/j.dental.2018.05.016](https://doi.org/10.1016/j.dental.2018.05.016)

Conference proceedings "Mandible Morphing Through Principal Components Analysis"; G. Pascoletti, M. Cali, C. Bignardi, P. Conti, E. M. Zanetti; Design Tools and Methods in Industrial Engineering; Springer (2020); ADM2019 International Conference

"Characterization of a polylactic acid (PLA) produced by Fused Deposition Modeling (FDM) technology"; Corapi D., Morettini G., Pascoletti G., Zitelli C.; Procedia Structural Integrity; Elsevier (2019)

"A multibody simulation of a human fall: Model creation and validation"; Pascoletti G., Catelani D., Conti, P., Cianetti F., Zanetti E.M.; Procedia Structural Integrity; Elsevier (2019)

"A Novel Technique For Testing Osteointegration In Load-Bearing Conditions"; G. Pascoletti, G. Di Chio, A. Marmotti, A. Baroncelli, P. Costa, A. Lugas, G. Serino; WIT Transactions on Engineering Sciences, (2019)

"Prosthetic Hip ROM from Multibody Software Simulation"; G. Putame; G. Pascoletti, G. Franceschini, G. Dichio, M. Terzini; 2019 41st Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) (2019)

Conferences/Presentations

49° Convegno Nazionale AIAS 2020

Venue: Virtual

Role: Junior Member and Speaker

Date: 09/2020

2020 International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing

Venue: Virtual

Role: Speaker

Date: 06/2020

ADM2019 International Conference

Venue: Modena (IT)

Role: Speaker

Date: 09/2019

48° Convegno Nazionale AIAS 2019

Venue: Assisi (IT)

Role: Junior Member, Speaker and Organiser

Date: 09/2019

41° EMB Conference 2019

Venue: Berlin

Role: Speaker

Date: 07/2019

47° Convegno Nazionale AIAS 2018

Venue: Reggio Calabria (IT)

Role: Junior Member and Speaker

Date: 09/2018

Professional honours and awards

SOFTWARE SIMULATION AWARD-AIAS2018

Simulation relative to: 'Design of an intramedullary nail with elastic distal anchorage'

Grading: 1°

www.aiasnet.it/index.php

Date: 09/2018

GRADUATION TO PROFESSIONAL ENGINEER (ITALIAN LEGISLATION)

Perugia (IT) – 06/2018

PERUGIA, 2/10/2020