PERSONAL INFORMATION

Giulia Pascoletti

Via G. Duranti, 93 – 06125, PERUGIA (PG)

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giulia.pascoletti@polito.it

Sex Female | Date of birth 27/08/1991 | Nationality Italy

EDUCATION AND TRAINING

2021-present POST-DOCTORAL RESEARCHER
Design methods for industrial engineering - ING-IND/15
Politecnico di TORINO - Department of Mechanical and Aerospace Engineering (DIMEAS)

2017-2020 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, MSC Adams, Solidworks, Autocad)

EDUCATIONAL ACTIVITIES

2021-present Eligible lecturer in Design methods for industrial engineering - ING-IND/15 at the Department of Mechanical and Aerospace Engineering (DIMEAS) – Politecnico di Torino from A.Y. 2021/22 to A.Y. 2023/24

2021-present	Assistance activity for the exams of the Technical Drawing at the Department of Engineering - University of Perugia
2019-2020 2021-present	Tutoring activity for the course of Technical Drawing at the Department of Engineering - University of Perugia
2018-present	Assistance activity for the exams of the Industrial Bioengineering course at the Department of Engineering - University of Perugia

PUBLICATIONS

Journal Papers

"Impact of lesion delineation and intensity quantisation on the stability of texture features from lung nodules on ct: A reproducible study"; Bianconi F., Fravolini M. L., Palumbo I., Pascoletti G., Nuvoli S., Rondini M., Spanu A., Palumbo B.; Diagnostics (Switzerland); MDPI (2021)
10.3390/diagnostics11071224

"Stochastic PCA-based bone models from inverse transform sampling: Proof of concept for mandibles and proximal femurs"; Pascoletti G., Aldieri A., Terzini M., Bhattacharya P., Calì M., Zanetti E. M.; Applied Sciences (Switzerland); MDPI (2021)
10.3390/app11115204

"A new generation of bio-composite thermoplastic filaments for a more sustainable design of parts manufactured by FDM"; Calì, M., Pascoletti, G., Gaeta, M., Milazzo, G., Ambu, R.; Applied Sciences (Switzerland); MDPI (2020)
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

"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

"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

"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

"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

"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

"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

"Clinical Assessment of Dental Implant Stability During Follow-Up: What Is Actually Measured, and Perspectives"; E. M. Zanetti, G. Pascoletti, M. Calì, C. Bignardi, G. Franceschini; Biosensors; MDPI (2018)
10.3390/bios8030068

"Modal analysis for implant stability assessment: Sensitivity of this methodology for different implant designs"; E. M. Zanetti, S. Ciaramella, M. Calì, G. Pascoletti, M. Martorelli, R. Asero, D. C. Watts; Dental Materials; Elsevier (2018)
10.1016/j.dental.2018.05.016

Conference Papers

"Feature-Based Modelling of Laryngoscope Blades for Customized Applications"; Calì M., Pascoletti G., Aldieri A., Terzini M., Catapano G., Zanetti E. M.; Lecture Notes in Mechanical Engineering - 10th International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing, JCM 2020, 2 June 2020 - 4 June 2020; Springer
10.1007/978-3-030-70566-4_33

"New filaments with natural fillers for FDM 3D printing and their applications in biomedical field"; M. Calì, G. Pascoletti, M. Gaeta, G. Milazzo, R. Ambu; Procedia Manufacturing - 30th International Conference on Flexible Automation and Intelligent Manufacturing, FAIM 2021; Elsevier (2020); FAIM 2021 International Conference
10.1016/j.promfg.2020.10.098

"Mandible Morphing Through Principal Components Analysis"; G. Pascoletti, M. Calì, C. Bignardi, P. Conti, E. M. Zanetti; Design Tools and Methods in Industrial Engineering; Springer (2020); ADM2019 International Conference
10.1007/978-3-030-31154-4_2

"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)
10.1016/j.prostr.2020.02.026

"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)
10.1016/j.prostr.2020.02.031

"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)
10.2495/MC190181

"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)
10.1109/EMBC.2019.8856993

CONFERENCES

Conferences/Presentations

ADM2021 International Conference
Venue: Virtual
Role: Junior Member and Speaker
Date: 09/2021

50° Convegno Nazionale AIAS 2021
Venue: Virtual
Role: Junior Member and Speaker
Date: 09/2021

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