

PERSONAL INFORMATION **Mattia Schiantella****WORK EXPERIENCE**

December 2021 – May 2022 **Tutor in “Scienza delle costruzioni”**
Institution University of Perugia - Department of civil and environmental engineering
93 Via Goffredo Duranti, Perugia (06125), Italy

17 June 2019 – 17 October 2019 **Structural engineer**
Company Archiplan progetti - civil engineer design company
60 Via Luigi Catanelli, Ponte San Giovanni (06135), Perugia, Italy

EDUCATION AND TRAINING

2019 – 2022 **PhD in “INTERNATIONAL DOCTORAL PROGRAM OF CIVIL AND ENVIRONMENTAL ENGINEERING”**

Thesis title “Limit analysis of non-periodic masonry by means of Discontinuity Layout Optimisation”
Institution University of Perugia - Department of civil and environmental engineering
93 Via Goffredo Duranti, Perugia (06125), Italy

June 2019 **Order of engineers qualification**

Institution Order of engineers
Final evaluation 163/200

21 December 2016 – 17 April 2019 **Master degree in Civil engineering LM-23**
Institution University of Perugia - Department of civil and environmental engineering
93 Via Goffredo Duranti, Perugia (06125), Italy
Final evaluation 110/110 cum laude

02 October 2013 – 14 December 2016 **Bachelor degree in Civil engineering L-7**
Institution University of Perugia - Department of civil and environmental engineering
93 Via Goffredo Duranti, Perugia (06125), Italy
Final evaluation 101/110

2008 – 2013 **Secondary school for surveyors**

Institution “I.T.C.G. Ruggero Bonghi”
20 Via Armando Diaz, Assisi (06081), Italy
Final evaluation 100/100

PARTECIPATIONS IN CONFERENCES

Conference **XXV AIMETA CONFERENCE**

Title LIMIT ANALYSIS OF MASONRY WITH NON PERIODIC TEXTURES BY MEANS OF DLO
Authors M.Schiantella, M. Gilbert, C.C.Smith, L.he, F.Cluni, V.Gusella
Period 04-08/09/2022
Location Palermo, Italy

Conference **International Conference on Nonlinear Solid Mechanics (ICoNSoM 2022)**

Title DISCONTINUITY LAYOUT OPTIMIZATION FOR THE LIMIT ANALYSIS OF NON-PERIODIC MASONRY
Authors M.Schiantella, M. Gilbert, C.C.Smith, L.he, F.Cluni, V.Gusella
Period 13-16/06/2022
Location Alghero, Italy

Conference **8th ECCOMAS Congress**

Title LIMIT ANALYSIS OF NON-PERIODIC MASONRY BY MEANS OF DISCONTINUITY LAYOUT OPTIMIZATION
Authors M.Schiantella, M. Gilbert, C.C.Smith, L.he, F.Cluni, V.Gusella
Period 05-09/06/2022
Location Alghero, Italy

Conference **25th International congress of theoretical and applied mechanics (IC-TAM) - IUTAM**

Title THE DISCONTINUITY LAYOUT OPTIMIZATION (DLO) FOR THE EVALUATION OF LIMIT LOAD OF NONPERIODIC TEXTURE MASONRIES
Authors F.Cluni, V.Gusella, M.Schiantella
Period 22-27/08/2021
Location Online

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
English certification by C.L.A. University of Perugia					

Computer skills

- MATLAB
- PYTHON
- SAP2000
- AUTOCAD
- SISMICAD
- MICROSOFT OFFICE PACK
- LATEX

PUBLICATIONS

- [1] Mattia Schiantella, Federico Cluni, and Vittorio Gusella. "Parametric Analysis of Failure Loads of Masonry Textures by Means of Discontinuity Layout Optimization (DLO)". In: *Materials* 15.10 (2022). URL: <https://www.mdpi.com/1996-1944/15/10/3691>.
- [2] Federico Cluni, Vittorio Gusella, and Mattia Schiantella. "Upper Bound Limit Analysis of Quasi-Periodic Masonry by Means of Discontinuity Layout Optimization (DLO)". In: *Proceedings of XXIV AIMETA Conference 2019*. Ed. by Antonio Carcaterra, Achille Paolone, and Giorgio Graziani. Cham: Springer International Publishing, 2020, pp. 2124–2133.

EXPECTED PUBLICATIONS

Title **LIMIT ANALYSIS OF NON-PERIODIC MASONRY BY MEANS OF DISCONTINUITY LAYOUT OPTIMIZATION**

Authors M.Schiantella, M.Gilbert, C.C. Smith, L.He, F.Cluni, V.Gusella

Journal Proceedings of VIII ECCOMAS Congress 2022

Status In press

Title **A Python script for discontinuity layout optimization**

Authors L.He, M.Schiantella, M.Gilbert, C.C. Smith

Journal Structural and Multidisciplinary Optimization

Status In review

Title **Limit analysis of quasi-periodic masonry walls**

Authors M.Schiantella, M.Gilbert, C.C. Smith, L.He, F.Cluni

Journal Heritage

Status In progress

Perugia, 31 Luglio 2023

Luogo e data

Mattia Schiantella

Il sottoscritto