

University Academic Curriculum Vitae

Personal information

Name **Gabriele Pasetti Monizza**
Place and date of birth: **Parma, 04/02/1981**
Nationality: **Italian**



Education since leaving school

- **PhD Candidate**
Free University of Bozen - Bolzano
Faculty of science and Technology
Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano, Italy
T: +39 0471 011000, F: +39 0471 011009
administration@unibz.it
Supervisor: Prof. Dominik Matt
PhD Candidate of the "Sustainable Energy and Technologies" program
Working title: *Parametric and Generative Design for process efficiency in building industry: The case study of glued-laminated-timber industry*
- **Parametric Design Master Course**
ControlMAD
Calle de Ciudad Real, 30; 28045 Madrid, Spain
- **Postgraduate Master in Science "CasaClima"**
Free University of Bozen/Bolzano
Faculty of science and Technology
Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano, Italy
- **Master's in Architecture & Civil Engineering (EU class 4/S)**
Politecnico di Milano
Facoltà di architettura e società
Piazza L. da Vinci, 32; 20133 Milano, Italy

Present appointments

- **Research fellowship**
Free University of Bozen - Bolzano
Faculty of science and Technology

Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano, Italy
 T: +39 0471 011000, F: +39 0471 011009
 administration@unibz.it

- **Scientific collaborator**
 Fraunhofer Italia – Bolzano
 Innovation Engineering Centre
 Schlachthofstraße, 57 – via Macello, 57; 39100 Bozen/Bolzano, Italy
 T: +39 0471 1966900
 www.fraunhofer.it

Professional experience

From / to	Job title	Name of academic Institution	Academic level	Responsibilities
A.Y. 2009/2010	Scientific Collaborator	Free university of Bozen/Bolzano	Post-graduate	Collaboration in research activity
A.Y. 2010/2011	Scientific Collaborator	Free university of Bozen/Bolzano	Post-graduate	Collaboration in research activity
A.Y. 2010/2011	Adjunct Professor	Free university of Bozen/Bolzano	Post-graduate	Postgraduate teaching activity
01/12/2010 30/11/2013	Scientific Collaborator	Fraunhofer Italia Research SCARL	Post-graduate	Collaboration in research activity

Participation in exhibitions (where applicable)

- **EXPO Shanghai 2010**
 Shanghai - October 2010
The CasaClima Project, by Cristina Benedetti, in the exposition called "Italian High Design and High Technology", hosted in the WTCA, World Trade Center Association.

Experience in academic teaching

- **Teaching assistant** (A.Y.s 2010/2011 - 2011/2012)
Course "Progettazione Ambientale" (ICAR/12)
 Bachelor's in Logistics and Production Engineering (undergraduate)
 Free University of Bozen - Bolzano
 Faculty of science and Technology
 Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano, Italy
- **Adjunct Professor** (A.Y. 2010/2011)
Course "Natural Ventilation" (ICAR/12)
 Postgraduate Master in Science "CasaClima" (post-graduate)
 Free University of Bozen - Bolzano
 Faculty of science and Technology
 Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano, Italy
- **Teaching assistant** (A.Y. 2016/2017)
Course "Produktionssysteme und Industrielogistik" (IND-IND/16)
 Bachelor's in Industrial and Mechanical Engineering (undergraduate)
 Free University of Bozen - Bolzano

Faculty of science and Technology
Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano,
Italy

As Adjunct Professor of the Postgraduate Master in Science
"CasaClima", the candidate supervised two students during their final
dissertations (ICAR/12).

Other academic responsibilities

- **Exam committee member** (A.Y. 2009/2010)
Course "Progettazione Ambientale" (ICAR/12)
Bachelor's in Logistics and Production Engineering (under-graduate)
Free University of Bozen - Bolzano
Faculty of science and Technology
Universitätsplatz, 1 - piazza Università, 1; 39100 Bozen/Bolzano,
Italy

Memberships

- **Member of editorial board**
DCEE 2013 - 2nd International Workshop on Design in Civil and
Environmental Engineering
28th June 2013 - 29th June 2013, Worcester, MA, US
- **Member of scientific committee**
REbuild Award (ed.s 2013 and 2014)
International convention of Innovating Real Estate, Regeneration
and Management
REBUILD ITALIA
Piazza Manifattura 1 - 38068 Rovereto (TN)

Research and scholarships

Date granted	Award Holder(s)	Funding Body	Title	Amount received
05/12/2009	Gabriele Pasetti Monizza	Testo SpA	Best Postgraduate M.Sc. dissertation award	2.000€
07/01/2014	Gabriele Pasetti Monizza	Free university of Bozen/Bolzano	PhD Scholarship	-

Publications

Books:

- AA.VV., "Quaderno per il recupero energetico. Raccolta di casi-
studio per interventi sul patrimonio edilizio tradizionale", pp 85,
Regione Autonoma Valle d'Aosta, Aosta, Italy, 2013. (Guide lines
for energy refurbishment of traditional constructions in Val d'Aosta)
- C. Benedetti, P. Erlacher, *G. Pasetti Monizza*, J. Ratajczak, C. Patz,
"Materiali isolanti" 2° edizione riveduta, Le guide pratiche del
Master CasaClima, Vol. 2, pp 178, Bozen-Bolzano University Press,
Free University of Bozen-Bolzano, Bolzano, Italy, 2012. (Handbook
about insulating materials; 2nd edition)
- C. Benedetti, *G. Pasetti Monizza*, G. Leone, "Ventilazione naturale"
Le guide pratiche del Master CasaClima, Vol. 3, pp 208, Bozen-

Bolzano University Press, Free University of Bozen-Bolzano, Bolzano, Italy, 2011. (Handbook about natural ventilation in buildings)

- C. Benedetti, P. Erlacher, *G. Pasetti Monizza*, J. Ratajczak, C. Patz, "Materiali isolanti", Le guide pratiche del Master CasaClima, Vol. 2, pp 160, Bozen-Bolzano University Press, Free University of Bozen-Bolzano, Bolzano, Italy, 2010. (Handbook about insulating materials; 1st edition)

Proceedings and Articles:

- *G. Pasetti Monizza*, E. Rauch, D.T. Matt, Parametric and Generative Design Techniques for Mass-Customization in Building Industry: a Case Study for Glued-Laminated Timber, "27th CIRP Design 2017".
- *G. Pasetti Monizza*, D.T. Matt, C. Benedetti, Programming a Parametric Design Algorithm to Improve Manufacturing Processes' Efficiency: The Case Study of Glued-Laminated Timber, "Journal of Civil Engineering and Architecture 10 (2016)": 1203-1213. DOI: 10.17265/1934-7359/2016.11.001
- *G. Pasetti Monizza*, D.T. Matt, C. Benedetti, Parametric and Generative Design Techniques for Digitalization in Building Industry: the Case Study of Glued-Laminated-Timber Industry, "ISMSE 2016, 2nd International Symposium on Manufacturing Science and Engineering", Singapore, 13-15 October 2016.
- C. Benedetti, J. Ratajczak, *G. Pasetti Monizza*, From Education to Information through Research, "WCTE 2016 - World Conference on Timber Engineering", Wien (Austria), 22-25 August 2016.
- *G. Pasetti Monizza*, D.T. Matt, C. Benedetti, Parametric and Generative Design techniques for process efficiency in building industry: the case study of Glued Laminated Timber industry, "4th INTERNATIONAL WORKSHOP ON DESIGN IN CIVIL & ENVIRONMENTAL ENGINEERING", Taipei (Taiwan), 30-31 October 2015.
- *G. Pasetti Monizza*, D.T. Matt, C. Benedetti, Parametric and Generative Design techniques for integrated design of Glued Laminated Timber, "PLEA 2015, 31st INTERNATIONAL PLEA CONFERENCE", Bologna (Italy), 9-11 September 2015.
- *G. Pasetti Monizza*, M. Marechesi, D.T. Matt, D. Krause, C. Benedetti, Axiomatic Design in participated urban planning: potentials and criticism, "DCEE 2013, 2nd INTERNATIONAL WORKSHOP ON DESIGN IN CIVIL & ENVIRONMENTAL ENGINEERING", Worcester MA (USA), 28-29 June 2013.
- C. Benedetti, M. T. Girasoli, J. Ratajczak, P. Dallasega, *G. Pasetti Monizza*, I. Paradisi, A new approach to Design Education for the 21st century, "DCEE 2013, 2nd INTERNATIONAL WORKSHOP ON DESIGN IN CIVIL & ENVIRONMENTAL ENGINEERING", Worcester MA (USA), 28-29 June 2013.
- C. Benedetti, J. Ratajczak, M. Marchesi, *G. Pasetti Monizza*, M. T. Girasoli, The flexibility of energy-efficiency in modular housing unit: a case study, "ICEAS 2013, 2nd INTERNATIONAL CONFERENCE ON ENGINEERING AND APPLIED SCIENCE", Tokyo (Japan), 15-17 March 2013.
- C. Benedetti, J. Ratajczak, M. Marchesi, M. Glorioso, *G. Pasetti Monizza*, M. T. Girasoli, I. Brauer; Flexibility in energy-efficient

public housing as a factor of social, economical and environmental sustainability, "ICEAS2012, INTERNATIONAL CONFERENCE ON ENGINEERING AND APPLIED SCIENCE", Beijing (China), 24-27 July 2012.

- I. Paradisi, M. Baratieri, C. Benedetti, M. T. Girasoli, M. Marchesi, *G. Pasetti Monizza*; Timber frame wall with enhanced energy performance – The Solar Decathlon Europe experience, "IFME2012, WORLD CONGRESS ON MUNICIPAL ENGINEERING", Helsinki (Finland), 4-10 June 2012.
- *G. Pasetti Monizza*, C. Benedetti, M. T. Girasoli, M. Marchesi, J. Ratajczak; "Easy wind tunnel", a fluid dynamic approach for everyone, "BSA2012, 1st INTERNATIONAL CONFERENCE ON BUILDING ASSESSMENT", Porto (Portugal), 23-25 May 2012.
- *G. Pasetti Monizza*, C. Benedetti, M. T. Girasoli, G. Leone; The bioclimatic urban planning, a case study: The railway workshop area in Bozen, Italy, "SB11, WORLD SUSTAINABLE BUILDING CONFERENCE", Helsinki (Finland), 18-21 October 2011.
- C. Benedetti, M. Baratieri, *G. Pasetti Monizza*; Analysis and design of a passive cooling system using rainfall sources, "CLIMA 2010, 10th REHVA WORLD CONGRESS, SUSTAINABLE ENERGY USE IN BUILDINGS", Antalya (Turkey), May 2010.

Further data

- **Excellent oral presentation certificate**
by Chairman and Board of Directors of ISMSE2016, 2nd International Symposium on Manufacturing Science and Engineering
Singapore, 13-15 October 2016

Language competence

Language	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
Italian	Native speaker	Native speaker	Native speaker	Native speaker	Native speaker
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1
Spanish	A1	A1	A1	A1	A1