



Marcello Sabene

Date of birth: 27/11/1992 | **Nationality:** Italian | **Phone number:**

(+39) 3932358083 (Mobile) | **Email address:** marcellosbn@gmail.com |

Skype: marcello.sabene@live.it |

Address: Via Degli Amodei 102, 00163, Roma, Italy (Home)

EDUCATION AND TRAINING

01/2018 – 07/2022 Rome, Italy

PH.D. IN INDUSTRIAL AND CIVIL ENGINEERING Niccolò Cusano University (RM)

Supervisor

Prof. Eng. Barbara Ferracuti, Prof. Eng. Maria Zucconi

Research Interests

- Sustainable Building
- Smart Cities
- Dynamics of Structures
- Earthquake Engineering
- Behavior of the Existing Reinforced Concrete Structures
- Retrofit Techniques for Seismic Assessment

Attended Courses

- Fundamentals of Statistical Signal Processing
- Retrofit Techniques for Seismic Assessment
- Project Management for the Innovation and the start-up
- Dynamics of structures: Linear and non linear dynamic analysis of structures
- Analisi e Riduzione del Rischio sismico delle Costruzioni
- Progetto di Strutture in Legno
- Progetto di Strutture
- Consolidamento di Strutture in Muratura

Teaching Activities

Teaching Assistant for the classes of: Costruzioni in zona Sismica, Elementi di Tecnica delle Costruzioni, Costruzioni in Acciaio

This activity was carried out in **E-learning mode** and in presence at Niccolò Cusano University of Rome.

Final Rating: Excellent

Address 3, Via Don Carlo Gnocchi, 00166, Rome, Italy |

Website <https://www.unicusano.it/dottorato/corsi-di-dottorato/dottorato-in-ingegneria-industriale-e-civile> |

Field of study Building and civil engineering | **Level in EQF** EQF level 8 |

Thesis Existing exterior beam-column joints: modeling and fragility curves as seismic loss assessment tool

12/2014 – 09/2018 Rome, Italy

MASTER DEGREE IN CIVIL ENGINEERING (LM23 - DM 270/04) Sapienza University of Rome, Faculty of Civil and Industrial Engineering

Master Thesis in Structural Engineering

Title: Numerical Modeling of the Sismically induced Impact in a Multy Degree of Freedom System, equipped with Base Isolators

Supervisors:

Prof. Eng. Maurizio De Angelis, Prof. Eng. Ugo Andreaus
Final Mark: 108/110

Main Structural Exams

- Geomatic monitoring
- Hydraulic Constructions
- Dynamics of Structures
- Masonry Structures
- Theory of structures
- Mechanics of structures
- Design of Structures
- Earthquake Engineering

Address 18, Via Eudossiana, 00184, Rome, Italy | **Level in EQF** EQF level 7

08/2011 – 11/2014 Rome, Italy

BACHELOR DEGREE IN CIVIL ENGINEERING (L7- DM 270/04) Sapienza University of Rome, Faculty of Civil and Industrial Engineering

Final Mark: 108/110

Address 18, Via Eudossiana, 00184, Rome, Italy | **Level in EQF** EQF level 6

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
SPANISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

MATLABSimulink | autodesk AutoCAD | Familiar with Structural Analysis programs | Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Social Media | Skype | Google Drive | Zoom | LinkedIn | Google Docs

● ADDITIONAL INFORMATION

PUBLICATIONS

Publications

- **M. Sabene**, M. Zucconi, B. Ferracuti and S. Pampanin, "Open Issues on Testing and Modeling Existing RC Beam-Column Joints", 17th International Conference of Numerical Analysis ad applied Mathematics, ICNAAM 2019
- M. Zucconi, **M. Sabene**, M. Kioumarsi and B. Ferracuti, "Pre-code RC Bear Frame: seismic retrofit with alternative strategies", 17th International Conference of Numerical Analysis ad applied Mathematics, ICNAAM 2019
- M. Zucconi, **M. Sabene** and B. Ferracuti, "Seismic assessment of a RC frame building designed for gravity loads including joint deformation capacity model", Proceedings of 13th fib international PhD-Symposium in Civil Engineer
- **M. Sabene**, M. Zucconi, B. Ferracuti and S. Pampanin, "Sensitivity Analysis and Numerical Modeling of External R.C. Beam-Column Joints designed for gravity loads", Proceedings of 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2021

NETWORKS AND MEMBERSHIPS

31/03/2019 – CURRENT Rome

Member of Ordine degli Ingegneri della Provincia di Roma Civil and Environmental Engineering
n° 38090, Section A

Link <https://www.ording.roma.it/l-ordine/ordine/albo-iscritti/singolo-iscritto?matricola=38090>

DRIVING LICENCE

Driving Licence: A1

Driving Licence: B

CONFERENCES AND SEMINARS

Seminars

- COMSOL - Multiphysics and thermo-fluid dynamics analysis
- Identificazione dinamica delle strutture murarie. Sistemi di monitoraggio e controllo delle strutture murarie
- Resilience Based Design: lessons from Recovery, challenges and opportunities
- Statistical approach of post-earthquake damage data
- Sustainability applied to the building industry and to buildings with historical-testimonial value
- Sicurezza in caso di incendio su edifici storici: Modellazione ed esodo. Verifiche in caso di incendio su edifici storici.
- Seismic collapse fragility of RC buildings: Issues and challenges
- Valutazione e prevenzione del rischio sismico alla luce delle esperienze di recenti terremoti italiani
- Durability, Design and Structural Optimization with Composite Materials
- Seismic Safety and Sustainability: New Generation of Low Damage Systems in Prefabricated Concrete or Laminated Wood

Conferences **17th International Conference of Numerical Analysis and Applied Mathematics - ICNAAM 2019**

Date: 23-28 September 2019

Other: Rhodes, Sheraton Hotel - Greece

PRESENTATIONS

Presentations

ICNAAM 2019

Presentation 1: Open Issues on Testing and Modeling Existing RC Beam-Column Joints

Presentation 2: Pre-code RC Bear Frame: seismic retrofit with alternative strategies

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good communication skills gained through my experience as member of a research team
- Excellent contact skills
- Great work professionalism
- Great desire to achieve individual and group goals



Marcello Sabene