

PERSONAL INFORMATION **Fabio Micozzi**

EDUCATION AND TRAINING

- October 2016 – March 2020 **PhD in “Science and technology – Computer science – Structural Dynamic and Control”**
Scuola di Architettura e Design – Università degli studi di Camerino, Italy
- Seismic Isolation, focusing on seismic isolation with high damping rubber bearings, reliability and risk assessment of isolated structures, hazard assessment
 - PhD Thesis title “ Seismic reliability of buildings isolated with rubber bearings”
- July 2019 – October 2019 **Visiting student at Strathclyde University – Glasgow**
Strathclyde University, Civil and environmental engineering department – Glasgow – Scotland
- Hazard analysis (use and misuse of Ground Motion Prediction Equations)
- April 2016 – 2021 **Research Program “RINTC” - ReLUIS “Implicit seismic risk of code conforming structures in Italy”. (UNICAM, prof. Andrea Dall’Asta):**
RINTC-e (existing buildings retrofitted with seismic isolation), RINTC-n (new buildings designed by engineers). National research program founded by the Italian Civil Protection department (Risk assessment, Hazard assessment, advanced structural modelling) (ReLUIS report, Rete dei Laboratori Universitari di Ingegneria Sismica (ReLUIS), Naples, Italy, available at <http://www.reluis.it>)
- 2016 - 2018 **Research Program ReLUIS 2014-2018 - line 6 (UNICAM, prof. Andrea Dall’Asta): “Isolation and Dissipation -Reliability of isolation and dissipation devices”.**
National research program founded by the Italian Civil Protection department. Rete dei Laboratori Universitari di Ingegneria Sismica (ReLUIS), Naples, Italy.
- September 2016 – January 2017 **Research scholarship “History dependent phenomena influence of high damping rubber on seismic response of isolated structure, especially related to performance prescriptions of school buildings”**
University of Camerino
- April 2016 – May 2016 **Research scholarship “High damping rubber bearings modelling with history dependent stress softening for the seismic assessment of isolated structure**
Dipartimento di Ingegneria Civile Edile e Architettura – Università politecnica delle Marche, Italy
- November 2016 **Eucentre - UME Course - Seismic safety for nuclear installations: from hazard assessment to structural analysis**
IUSS – Scuola Universitaria Superiore di Pavia – 27100 Pavia
- Probabilistic seismic risk analysis of nuclear power plants
- February 2016 **Passed the Professional Practice Exams for Civil Engineering**
Università Politecnica delle Marche, Facoltà di Ingegneria, via Brecce Bianche 1 – 60131 Ancona, Italy
- December 2012 – October 2015 **Master Degree in Civil Engineering with 110/110 cum laude**
Università Politecnica delle Marche, Facoltà di Ingegneria, via Brecce Bianche 1 – 60131 Ancona, Italy
- Thesis title: “ Analysis of behaviour and design procedures of dissipative towers anti-seismic system”

September 2009 – December 2012 **Bachelor Degree in Civil and Environmental Engineering with 110/110 cum laude**
 Università Politecnica delle Marche, Facoltà di Ingegneria, via Brecce Bianche 1 – 60131 Ancona, Italy

- Thesis title: “ Steel structure with dampers: a case study”

September 2004 – July 2009 **High School Geometer - Construction Management diploma achieved with 100/100 cum laude**

Istituto Tecnico per Geometri A.D. Bramante, Macerata, Italy

WORK EXPERIENCE

June 2020 – June 2022

Research fellow

University of Camerino, School of Architecture and Design, Italy

- Research and education

May - June 2021

Course "Isolamento sismico delle Costruzioni" (ordine degli ingegneri di Fermo – Federazione dell'ordine degli ingegneri delle Marche)

Non-destructive testing and results analysis of concrete structures

- scuola Media Statale del Polo Scolastico Marrocchi - Sant'Onofrio di Campli, Teramo
- scuola "Don Giussani" – Monticelli, Ascoli Piceno
- palazzo Colucci – Ascoli Piceno

2017 – 2021

Collaboration in experimental investigations

Non-destructive testing and results analysis of concrete structures

- scuola Media Statale del Polo Scolastico Marrocchi - Sant'Onofrio di Campli, Teramo
- scuola "Don Giussani" – Monticelli, Ascoli Piceno
- palazzo Colucci – Ascoli Piceno

2020 – 2022

Structural Design Collaboration of the seismic improvement of the student residence “Fazzini”

3500 sqm building (7 500 000 €), external dissipation

- Passive vibration control, viscous damping, external dissipation.

2018 – 2021

Structural Design Collaboration of the “New Camerino University Research Centre” and Snap-Back test design and execution

6500 sqm building (13 352 000 €), seismically isolated

- Seismic Isolation Design, bearing testing, in-field snap back test design and execution, hazard and risk assessment
- https://youtu.be/Ou95s6_Jcws
- <https://youtu.be/6kg7rg9W0ck>

January 2021

Push’O ver Project: real pushover test on existing masonry building as is and upgraded with fibre reinforced plaster

A real scale pushover test to test the real seismic capacity of a typical Italian masonry building as is and upgraded.

- In-field pushover test design and execution
- <http://www.unicam.it/pressroom/comunicati-stampa/1727157821>
- <https://progettopushover.it/>
- https://www.ansa.it/sisma_ricostruzione/notizie/regione/marche/2021/01/18/terremoto-progetto-push-over-test-su-resistenza-edifici_dabc1ebc-a15b-4f87-a9b8-618e85bb57ba.html

OTHER EXPERIENCE

- 2022 **Member of the organization committee of 1° FABRE Congress,**
FABRE Congress (2-4 Febbraio 2022, Lucca)
- 2019 **Member of the organization committee of XVIII ANIDIS Congress**
ANIDIS Congress (15-19 September 2019, Ascoli Piceno)
- 2018 – February 2019 **'Tecnica delle Costruzioni' - member of the university examining boards for the course**
Cultore della materia – 'Tecnica delle costruzioni' – University of Camerino, School of Architecture and Design

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Digital skills

	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient use	Proficient use	Proficient use	Proficient use	Proficient use

Levels: Basic user - Independent user - Proficient user

- Expert of Structural software (Opensees, SAP2000, Abaqus) and Matlab
- Autocad (2D, 3D, rendering), Office, Photoshop, Illustrator

ADDITIONAL INFORMATION

Reviewer I'm a Reviewer for:
Journal "Engineering Structure" – Elsevier,
Journal "Structures" - Elsevier
"Journal of Bridge Engineering"- ASCE library,

Book ▪ Andrea Dall'Asta, Raffaele Landolfo, Fabio Micozzi, Walter Salvatore "Edifici monopiano in acciaio ad uso industriale AI SENSI DELLE NTC 2018", 2021, una pubblicazione di Fondazione Promozione Acciaio Via Vivaio, 11 - 20122 Milano – Italia - Dario Flaccovio Editore s.r.l. ISBN 978-88-579-1372-8

Publications – Journal Papers

- Micozzi F, Scozzese F, Ragni L, Dall'Asta A. Seismic reliability of base isolated systems: sensitivity to design choices. *Engineering Structures* 2022; 256: 114056. DOI: 10.1016/j.engstruct.2022.114056.
- Cardone D, Viggiani LRS, Perrone G, Telesca A, Di Cesare A, Ponso FC, et al. Modelling and Seismic Response Analysis of Existing Italian Residential RC Buildings Retrofitted by Seismic Isolation. *Journal of Earthquake Engineering* 2022: 1–25. DOI: 10.1080/13632469.2022.2036271.
- Micozzi F, Flora A, Viggiani LRS, Cardone D, Ragni L, Dall'Asta A. Risk Assessment of Reinforced Concrete Buildings with Rubber Isolation Systems Designed by the Italian Seismic Code. *Journal of Earthquake Engineering* 2021: 1–31. DOI: 10.1080/13632469.2021.1961937.
- F. Micozzi, A. Flora, L.R.S. Viggiani, D. Cardone, L. Ragni, A. Dall'Asta. Risk assessment of Reinforced Concrete buildings with Rubber Isolation Systems designed by the Italian Seismic Code. *Journal of Earthquake Engineering* (Reviewed accepted)
- L. Ragni, D. Cardone, N. Conte, A. Dall'Asta, A. Di Cesare, A. Flora, G. Leccese, F. Micozzi & C. Ponso (2018): Modelling and Seismic Response Analysis of Italian Code-Conforming Base-Isolated Buildings, *Journal of Earthquake Engineering*, DOI: 10.1080/13632469.2018.1527263
- A. Dall'Asta, G. Leoni, F. Micozzi, L. Gioiella, L. Ragni: A Resilience and Robustness oriented design of Base-Isolated Structures: the new Camerino University Research Center. *Frontiers in Built Environment*, section *Earthquake Engineering* (Open Access Peer Reviewed Journal – Accepted 30 March 2020)
- Laura Ragni , Fabio Micozzi , Enrico Tubaldi & Andrea Dall'Asta (2020): Behaviour of Structures Isolated by HDNR Bearings at Design and Service Conditions, *Journal of Earthquake Engineering*, DOI: 10.1080/13632469.2020.1776792

Publications - Proceedings

- F. Micozzi, F. Scozzese, L. Ragni, A. Dall'Asta. Seismic reliability of base isolated systems with rubber bearings. 17th World Conference on Earthquake Engineering, 17WCEE. Sendai, Japan - September 13th to 18th 2020 (postponed)
- A. Dall'Asta, G. Leoni, F. Micozzi, L. Gioiella, N. Ceccolini and L. Ragni. The new camerino university research center: design of the base-isolated building and dynamic testing. COMPDYN 2021: 8th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. Streamed from Athens, Greece, 27–30 June 2021
- Cardone, D., Conte, N., Dall'Asta, A., Di Cesare, A., Flora, A., Leccese, G., Mossucca, A., Micozzi, F., Ponzio, C. and Ragni, L. [2017] "RINTC project: nonlinear analyses of Italian code-conforming base-isolated buildings for risk of collapse assessment," Proc. of 6th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2017), Rhodes Island, Greece.
- Micozzi, F., Ragni, L. and Dall'Asta, A. [2018] "Statistical modelling of HDNR bearing properties variability for the seismic response of isolated structures," Proc. of 6th European Conference on Computational Mechanics (ECCM 6), Glasgow, UK.
- L. Ragni, F. Micozzi, E. Tubaldi & A. Dall'asta: SEISMIC RESPONSE OF A R.C. STRUCTURE ISOLATED BY HDNR BEARINGS BY USING ADVANCED AND SIMPLIFIED MODELS, SECED conference, 9-10 September 2019, Greenwich, London
- L. Ragni, F. Micozzi, E. Tubaldi, A. Dall'asta: SERVICE CONDITION BEHAVIOUR OF RC FRAMES ISOLATED BY HDNR BEARINGS. COMPDYN 2019, 7th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering M. Papadrakakis, M. Fragiadakis (eds.) Crete, Greece, 24–26 June 2019
- D. Cardone, N. Conte, A. Dall'Asta, A. Di Cesare, A. Flora, N. Lamarucciola, F. Micozzi, F.C. Ponzio, L. Ragni: RINTC-E PROJECT: THE SEISMIC RISK OF EXISTING ITALIAN RC BUILDINGS RETROFITTED WITH SEISMIC ISOLATION. COMPDYN 2019, 7th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering M. Papadrakakis, M. Fragiadakis (eds.) Crete, Greece, 24–26 June 2019
- L. Ragni, F. Micozzi, G. Brandonisio, A. Dall'Asta, A. De Luca, A. Di Cesare, A. Mossucca, D. Nigro & F.C. Ponzio: Comportamento dei dispositivi HDRB sotto grandi spostamenti ed elevati carichi assiali. ANIDIS, Ascoli Piceno 2019
- L. Ragni, F. Micozzi, E. Tubaldi, A. Dall'Asta. Advanced and simplified models of HDNR bearings for the seismic performance evaluation of base isolated structures. ANIDIS, Ascoli Piceno 2019
- Chapter "L'isolamento sismico e la sua affidabilità per progetti conformi alle norme vigenti" in "SAAD. Scenari di innovazione architettura e design". Volume 1/2018 – Altralinea EDIZIONI, Anno edizione: 2019 EAN: 9788894869712
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Other Publications

Privacy

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali."