

## PERSONAL INFORMATION

## Fabio Micozzi

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Date of birth 19/03/1990 | Nationality Italian

## 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 – ongoing

### 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>)

- Publication: “L. Ragni, D. Cardone, N. Conte, A. Dall’Asta, A. Di Cesare, A. Flora, G. Leccese, F. Micozzi & C. Ponzo (2018): Modelling and Seismic Response Analysis of Italian Code-Conforming Base-Isolated Buildings, Journal of Earthquake Engineering, DOI: 10.1080/13632469.2018.1527263”

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.

2017 – 2019

### School of Advanced Studies – Transferable Skills

Courses and activities to acquire transferable skills – University of Camerino

- SAS ACTIVITIES 2017 - "History of science" held by prof. David J. Archibald
- SAS ACTIVITIES 2017 - "An informal introduction to the philosophy of science" held by prof. Mario Compiani
- SAS ACTIVITIES 2017 - "English for scientific writing" held by Dr. Michael Zebrak
- SAS ACTIVITIES 2018 - "Open Science" held by K. Vandavelde and C. Fraticelli
- SAS ACTIVITIES 2018 - "How to write a scientific project" held by C. Miceli, I. Ricci, S. Pucciarelli
- SAS ACTIVITIES 2018 - "The role of ethics in scientific research" held by R. Vuono
- SAS ACTIVITIES 2018 - "Tips for science communication: informal presentation and science cafes" held by S. Benvenuti and M. Compiani
- "Le azioni marie sklodowska-curie: tra progettazione e valutazione" held by S. D'Amelio and A. D'Agostino
- SAS ACTIVITIES 2018 - "Active Learning Approaches to improve teaching" held by V. Poggi and M.A. Fontechiari
- SAS ACTIVITIES 2018 - "On-line Technologies for the innovation of teaching" held by D. Amendola, C. Miceli and A. Perali
- SAS ACTIVITIES 2018- "Institutional Change for Gender Equality in Research and Higher Education Institutions" held by M. Forest
- SAS ACTIVITIES 2018- "Open science at UNICAM"
- SAS ACTIVITIES 2019 - "Corso teorico-pratico di Marketing" held by Dr. Umberto Filippi

## 2017 – 2019 Engineering courses

Courses and activities specifically related to Structural Engineering

- "A novel approach for bridge scour risk assessment" held by Dr. Enrico Tubaldi – University of Ancona
- "Isolamento Sismico Di Strutture Nuove Ed Esistenti" held by M.Gabriella Castellano and Riccardo Vetturini – Ordine Ingegneri Macerata
- "Costruzioni In Muratura Esistenti: Analisi Del Comportamento Meccanico E Tecniche Di Intervento" – Euroconference
- "Durabilità delle costruzioni: le indagini in sito e tecniche di consolidamento" A. Lucchese, S. Castellaro, S. Martinello, A. Dall'Asta, G. P. Colato
- "Comparison of methods to develop risk-targeted seismic design maps" held by E. Tubaldi – University of Ancona
- "Nonlinear dynamic models\_blast and impact loading" held by F. Stochino – University of Ancona
- "La Filosofia Della Nuova Normativa Tecnica Per Le Costruzioni Con Alcune Applicazione Pratiche" held by F. Braga – University of Ancona
- "Vulnerabilità sismica ed interventi di retrofit d del rischio sismico degli edifici i ponti e viadotti" held by L. Dezi – University of Ancona
- "Soluzioni costruttive in acciaio: sicurezza sismica e comfort abitativo" held by A. Dall'Asta – Ordine Ingegneri Macerata
- "Seismic Analysis of Structure using Opensees" - University La Sapienza - Eurasian opensees association - Rome 27-29 March 2019

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

- 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 Campi, Teramo  
 ▪ scuola “Don Giussani” – Monticelli, Ascoli Piceno  
 ▪ palazzo Colucci – Ascoli Piceno
- 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/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 masonr 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-o-vertest-su-resistenza-edifici\\_dabc1ebc-a15b-4f87-a9b8-618e85bb57ba.html](https://www.ansa.it/sisma_ricostruzione/notizie/regione/marche/2021/01/18/terremoto-progetto-push-o-vertest-su-resistenza-edifici_dabc1ebc-a15b-4f87-a9b8-618e85bb57ba.html)

## OTHER EXPERIENCE

- 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**

Culture della materia – ‘Tecnica delle costruzioni’ – University of Camerino, School of Architecture and Design

2017 – 2019 **Minisymposia – Short courses as Relator**

- 2018 Central Italy Field Trip and workshop "New perspectives in seismic risk assessment and resilience enhancement" (UNICAM-UCL) – University of Camerino
- Ciclo seminari Ascoli Piceno - SAAD. Scenari di innovazione architettura e design - "Progettare dopo il sisma-La vulnerabilità del patrimonio edilizio italiano alla luce degli eventi sismici del 2016" – University of Camerino
- Ciclo seminari Ascoli Piceno - SAAD. Scenari di innovazione architettura e design - "Progettare dopo il sisma - La mitigazione del rischio sismico: un confronto tra strategie ordinarie e resilienti" – University of Camerino
- Interdisciplinary approach toward revitalization from 2016 central italy earthquake - TOYO University – University of Camerino

## 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 the Journal "Engineering Structure" - Elsevier

Publications – Journal Papers

- 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. Ponzio (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., Ponzo, 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. Ponzo, 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. Ponzo: 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
- Other Publications
- 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

## 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."