

Dott. Ing. Massimiliano De Iuliis
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Curriculum Vitae

Personal Details	Name: Massimiliano Surname: De Iuliis Date of birth: 03/01/1973 Place of birth: Salerno Marital status: married with 2 children Nationality: Italian Residence: Minori (SA), via Gerardo Amato 28, 84010 Contact: Office : +39089854081, Mobile : +393393108611 email : ingdeuliis@gmail.com internet site: www.ingdeuliis.it
Education and Qualifications	• Research fellow at the Politecnico di Torino – Department of Structural, Building and Geotechnical Engineering (DISEG) – January 2024 – present • Adjunct Professor at the University of Salerno (2022-actual), teaching course in Statistics for Process Engineering and Statistics for Production Systems for the Bachelor's Degree in Engineering • Adjunct Professor at the University of Salerno (2021-2024), teaching course in Applied Statistics – Master's degree in Engineering • Adjunct professor at the University of Salerno for the academic years 2022-23 and 2023-24 – teaching Statistics – Bachelor's degree in Political and Communication Sciences • Lecturer in Civil Engineering – University of Central Lancashire – School of Engineering – Preston (UK), January 2016 – June 2016 • Specialization Course: “Reinforcement Learning” organized by the University of Florence – under the supervision of prof. Parton Maurizio • Specialization course in modern physics and exams passed at Faculty of Physics – University of Salerno 2020-2021 • Permanent position serving as Professor of Mathematics and Physic in Italian High School - Department of Education and Science – September 2013-December 2023 • Qualified teacher status – QTS – reference number 1573876 – January 2015 • Teaching position at University of Sannio – Department of Civil Engineering – PON Project “Active Safety Barrier” – June 2012-March 2013

	• Research Assistant position at University of Salerno – Department of Civil Engineering - September 2005-October 2010 • Research post-doc position at University of Kassel (Germany) – Department of Civil Engineering – working on the FP7 European Project “SERIES” – Seismic Engineering Research Infrastructures for European Synergies – June 2009 to December 2009 • Post-doctoral position at University of Salerno – Department of Civil Engineering - May 2003 to May 2005 • PhD in Structural Engineering, obtained 20/03/03. Thesis entitled: “A new performance based seismic design methodology for structural systems equipped with extra-structural viscous dampers” • Teaching qualification Class A049 (Mathematics and Physics) and Class A047 (Mathematics) obtained 29/4/2005 from the “Scuola Inter-Universitaria Campana per l’Insegnamento Secondario (SICSI)” – Università degli Studi di Salerno – with full marks 80/80 • Degree in Civil Engineering, majoring in structures, obtained 20/05/1999 with full marks with distinction. Dissertation entitled: “<i>The state of art in H_∞ control and its relations with game theory. Applications on control of seismic response</i>” • High School Diploma in Surveying obtained from "R. Di Palo" Technical Institute Salerno, July 1991 with 60/60 marks • Registered Engineer qualified on second State Exam session 1999 • Registered in Association of Engineers Salerno number 3653 • President of PhD Student Association in Salerno from May 2006 to January 2007 • Specialization Course: “Innovative methods for seismic vibrations control in civil structures” organized by the University of Salerno • Specialization Course: “<i>Structures in R.C. and P.R.C., Advanced design techniques</i>” organized by the CISM – under the supervision of Prof. P.G. Malerba • Specialization Course: “Advanced Dynamics and Control of Structures and Machines” organized by the CISM – under Prof. H. Irschik (University of Linz, Austria) , Prof. K. Schlacher (University of Linz, Austria)
Exams passed for Degree course	• Analysis I (26/30), Technical drawing(30/30 <i>with distinction</i>), Chemistry (30/30 <i>with distinction</i>), Physics I (28/30), Geometry (30/30 <i>with distinction</i>); • Analysis II (24/30), Physics II (28/30), Rational Mechanics (27/30), General Technologies of Materials (30/30 <i>with distinction</i>); • Physics Technique (30/30), Construction Science (30/30 <i>with distinction</i>), Hydraulics (30/30), Applied Geology (30/30 <i>with distinction</i>), Architecture Technique (30/30 <i>with distinction</i>); • Structural Engineering (30/30), Hydraulic Constructions (27/30), Planning Transport Systems (30/30), Geotechniques (30/30), Topography (30/30 <i>with distinction</i>), Theory of Structures (30/30 <i>with distinction</i>), Fundamentals of I.T (30/30 <i>with distinction</i>), Roads, Railways and Airports (30/30 <i>with distinction</i>); • Seismic Engineering (30/30 <i>with distinction</i>), Structural design (30/30 <i>with distinction</i>), Economic estimates (30/30), Foundations (30/30), Elements of Theoretical and Applied Mechanics (30/30 <i>with distinction</i>), Juridical discipline of Technical and Engineering activity (30/30 <i>with distinction</i>).

	Exams in Physics course: Mathematical methods for physics (<i>30/30 with distinction</i>), Physics Laboratory (<i>30/30 with distinction</i>), General astronomy (<i>30/30</i>) During the doctorate course I attended at the “Theory and design of bridges” course held by Prof. Emidio Nigro, as well as all the seminars held in the Civil Engineering Department of the University of Salerno
I.T Knowledge	Operating systems: MS-DOS, Windows Software for word-processing and spreadsheets: Word, Excel, Access, PowerPoint, Outlook; Software for structural computation: SAP2000, Infostru, Strauss, ANSYS Software for graphic representation: CAD, AutoCAD, AutoCAD LT Creative Graphic Software: Corel Draw , PhotoShop Software for numerical processing: MATLAB, MATHEMATICA, MATHCAD Programming languages: GW Basic, Pascal, Fortran, Python
Professional and Academic Experiences	<i>June 1999:</i> Short-term contract with C.U.G.R.I. for “studying issues inherent to seismic risk as well as the implementation of theoretical forecasting models for prevention activity” <i>January 2000 - present:</i> Professional activities within “De Iuliis” Technical Office. Design of aseismic structures both in concrete and steel. Construction site Manager experience. <i>March 2000:</i> First place in admission exam for research doctorate course in Structural Engineering I cycle. Admitted on course. <i>January 2001:</i> Passed first year exam for research doctorate course. <i>November 2001:</i> Passed second year exam for research doctorate course <i>December 2002:</i> Passed final year exam for research doctorate course <i>March 2003:</i> Passed final exam for doctorate course and awarded title of PhD on 20 March 2003 <i>May 2003:</i> Winner of competition for 2 post-doctoral posts in the Department of Civil Engineering at University of Salerno. <i>September 2003:</i> Awarded contract by C.U.G.R.I. to collaborate in drawing up the “Plan for the Forecast and Prevention of Seismic Risk in Campania”

	<i>November 2003:</i> First place in competition for admission to the School of Specialization, <i>SICSI</i>, for classes A047 (Mathematics) and A049 (Mathematics and Physics) <i>June 2004:</i> Renewal of scholarship for second year of post-doctorate in the Department of Civil Engineering of the University of Salerno <i>September 2005:</i> Winner of a Research Assistant position for comparative procedures on the topic of “Innovative methodologies for the reduction of seismic vulnerability in built structures” at the Department of Civil Engineering of the University of Salerno <i>September 2006:</i> Positive assessment for research activity carried out in 2006 and confirmation of held position for 2007 <i>September 2007:</i> Positive assessment for research activity carried out in 2007 and confirmation of held position for 2008 <i>September 2008:</i> Positive assessment for research activity carried out in 2008 and confirmation of held position for 2009 <i>June 2009:</i> Winner of a research post-doc position for comparative procedures to work on “SERIES” FP7 European Project at the Department of Civil Engineering of the University of Kassel (Germany) <i>June 2011:</i> Professional contract as Structural Engineering at “SCTV Office” in Salerno. Experience in design aseismic and marine structures (Commercial Harbor in Salerno) <i>June 2012:</i> Winner of a teaching position for comparative procedures to work on “Active Safety Barrier” PON Project at the Department of Civil Engineering of the University of Sannio (Italy) <i>August 2013:</i> Winner of National Competitive Examination for teaching permanent positions in Italian High Schools, ranked 2nd over 831 candidates in Mathematics and Physic (class A049) and 9th over 1399 candidates in Mathematics (class A047) – Campania region. <i>October 2016:</i> Shortlisted for a Lecturer position at University of Central Lancashire. Interview in Preston on October the 10th. Job offer on 20th October. <i>December 2021:</i> Shortlisted for a Lecturer position at University of Bolton. Interview on November the 11th. Job offer on 7th December declined.
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	<i>March 2022:</i> Winner of the competitive selection processes for multiple teaching contracts: Applied Statistics – Master's degree in Management Engineering Statistics – Bachelor's degree in Political and Communication Sciences Statistics for Process Engineering – Bachelor's degree in Chemical and Mechanical Engineering Statistics for Production Systems – Bachelor's degree in Management Engineering <i>January 2024:</i> Winner of the comparative evaluation for the assignment of a research fellowship on the topic "Structural Safety of Infrastructures" at the Department of Structural, Building and Geotechnical Engineering of the Politecnico di Torino
Foreign Languages	• Excellent knowledge of spoken and written English - University of Cambridge ESOL Examinations - Certificate in Advanced English – CEFR Level C1 - Exam passed in March 2009 session • Basic knowledge of spoken German
Participation on Research projects	• Research Project – SERIES “Seismic Engineering Research Infrastructures for European Synergies” – EU 7th Framework Program Project • Research Project – E-ruption “A satellite Telecommunication and internet-based seismic monitoring system for enhanced volcanic eruption forecasting, early warning and risk management” – EU 5th Framework Program Project • ReLuis Research project – Line of research 7 "Technology for the isolation and control of structures and infrastructures" – Group E5 “Experimentation on Base Isolation and Mass Damping hybrid control system” – Italian Government fund • PRIN (Competitive National Research Grant) 1999 “<i>The seismic protection of Built Structures and New Construction through Innovative Systems</i>” • PRIN (Competitive National Research Grant) 2007 “Seismic retrofit of existing buildings by using base isolation and extra-structural dissipation devices: design methods, models definition and identification procedures” • 60% Fund projects from 2000 to 2009 – Department of Civil Engineering of the University of Salerno
Participation in national and international congresses	• COMPDYN 25 - 10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15-18 June 2025, Rhodes Island, Greece • 13th World Conference on Earthquake Engineering Vancouver, BC Canada, August 1 - 6, 2004 • 3th European Conference on “<i>Structural Control</i>”, Vienna, July 13 - 15, 2004 • XXIII^o National Congress “<i>Improving the construction of structural piling: existing and new</i>” – AICAP Days 2004, Verona, Italy, 26-29 May 2004 • XI^o Congress “<i>The Seismic engineer in Italy</i>” – ANIDIS 2004, Genova, Italy, 25-29 January 2004

- 8th World Seminar on “*Seismic Isolation, Energy Dissipation and Active Vibration Control of Structure*”, Yerevan, Armenia, October 6-10, 2003
- XXXII° AIAS Conference 2003 “*Associazione italiana Analisi delle Sollecitazioni*” – Salerno 3-6 September 2003
- XIX° CTA Congress 2003 “*Project Designing and building today with steel*” – Genova 28-30 September 2003
- II° National Conference “*Collapse and the reliability of structures*”, Naples, 15-16 May 2003
- Third World Conference on “*Structural Control*”, Como, 7-12 April 2002
- National Conference “*The mechanics of structures in masonry reinforced with FRP – materials*”, Venice, 6-7 December 2000
- 7th International Seminar on “*Seismic Isolation, Passive Energy Dissipation and Active Control of Vibrations of Structure*”, Assisi, 2-6 October 2001
- X° Anidis Congress, “*The seismic engineer in Italy*”, Potenza 9 – 13 September 2001
- PRIN 99 Congress “*The seismic protection of Built Structures and New Construction through Innovative Systems*” Final Workshop Naples 12-13 May 2000 – Faculty of Engineering – Università di Napoli “Federico II”
- WorkShop “*Research projects and New Guidelines in the sector of External Reinforcing with the Use of Fiber-reinforced Polymeric Composites in RC, PRC and stonework structures*” – Salerno 30 September – 1 October 2004
- Seminar on “*Eurocode EN 1990: Basis of structural design. Eurocode 1 EN 1991: Actions on structures*” – Pisa 4 February 2005
- Sixth European Conference on Structural Dynamics – Paris 4-7 September 2005
- Fourth World Conference on “*Structural Control*”, San Diego, 13-15 July 2006
- First European Conference on Earthquake Engineering and Seismology, Geneva, 3-8 September 2006
- 4th European Conference on “*Structural Control*”, San Petersburg, September 8 - 12, 2008
- Final Conference ReLuis Project Line 7 “*Technology for the isolation and control of structures and infrastructures*” – Naples, December 2008
- XIII° Anidis Congress, “*The seismic engineer in Italy*”, Bologna 28 June – 2 July 2009

Oral presentation in International Conferences	• Third World Conference on “<i>Structural Control</i>”, Como, 7-12 April 2002 Oral presentation titled: “<i>Robust Design of Base Isolated Systems with Tuned Mass Damper</i>” • 8th World Seminar on “<i>Seismic Isolation, Energy Dissipation and Active Vibration Control of Structure</i>”, Yerevan, Armenia, October 6-10, 2003 Oral presentation titled: “<i>A new design methodology of viscous damping systems based on damage control</i>” • 3th European Conference on “<i>Structural Control</i>”, Vienna, July 13 - 15, 2004 Oral presentation titled: “<i>New design methodology for viscous damped structures based on performance criteria</i>” Oral presentation titled: “<i>A passive robust control strategy: Base Isolation System and Tuned Mass Damping</i>” Oral presentation titled: “<i>Optimal damping allocation for controlling the torsional seismic response of asymmetric-plan systems</i>” • 6th European Conference on Structural Dynamics – Paris 4-7 September 2005 Oral presentation titled: “<i>Optimal robust design of Tuned Mass Damper for controlling torsional response of asymmetric-plan systems</i>” • Fourth World Conference on “<i>Structural Control</i>”, San Diego, 13-15 July 2006 Oral presentation titled: “<i>A new approach to design extra-structural dissipation systems in framed structure by considering seismic demand spectra</i>” • First European Conference on Earthquake Engineering and Seismology, Geneva, 3-8 September 2006 Oral presentation titled: “<i>Tuned Mass Dampers To Control The Base-Isolated Benchmark Building Model</i>” • 4th European Conference on “<i>Structural Control</i>”, San Petersburg, September 8 - 12, 2008 Oral presentation titled: “<i>Semi-active control of structures by using early warning seismic network information</i>” Oral presentation titled: “<i>Effectiveness analysis of base isolation and tuned mass damping combined strategy to control the non-linear response of a benchmark structure</i>” Oral presentation titled: “<i>Optimal damping allocation for controlling the torsional seismic response of asymmetric-plan systems</i>” • Workshop on “<i>Seismic Protection of Structures</i>”, Catania, 25 June 2009. PRIN Project Oral presentation titled: “<i>Semi-active and hybrid protection of base isolation system: new perspectives</i>”
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	• COMPDYN 25 - 10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15-18 June 2025, Rhodes Island, Greece Oral presentation titled: <i>"Identification of effective seismic parameters for simulating non-linear structural response using machine learning approach"</i>
H INDEX and ORCID	Hindex: 10 Citation: 426 ORCID: 0009-0001-8845-2559
Papers in National Journal (with referees)	1. Petti L., De Iuliis M. "Metodologie di progetto per strutture sismoresistenti dotate di Dispositivi Extrastrutturali di Dissipazione Energetica", <i>Ingegneria Sismica</i>, Anno XX – N. 2 – maggio-agosto 2003, pagg. 53-63 2. Palazzo B., Petti L., De Iuliis M. "Controllo della Risposta Sismica di Sistemi Asimmetrici mediante l'impiego di dissipatori viscosi", <i>Ingegneria Sismica</i>, Anno XXII – N. 1 – 2005 3. Petti L., De Iuliis M., De Santis I. "Strategie innovative per la riduzione della risposta sismica di sistemi isolati asimmetrici in pianta" - <i>Ingegneria Sismica</i>, Anno XXIII – N. 1 – 2006 – pp. 47-55 4. De Iuliis M., Castaldo P., Palazzo B. "Analisi della domanda sismica inelastica del terremoto de L'Aquila su sistemi dimensionati secondo le NTC2008", <i>Ingegneria Sismica</i>, Patron Editore ISSN: 0393-1420, Anno XXVII, 2010 (3), pp. 52-65.
Papers in Journal ISI	5. Miceli E., De Iuliis M., Castaldo P., "Robustness assessment of reinforced concrete structures for different failure scenarios", submitted for publication on <i>Structural Concrete</i>. 6. De Iuliis M., Miceli E., Castaldo P., "Deep Q-networks for an optimal placement of viscous dampers in 2D multi-story linear frames", in review for publication to <i>Soil Dynamics and Earthquake Engineering</i> 7. De Iuliis M., Miceli E., Castaldo P., "Information theory guided machine learning analysis to predict seismic response of structures", <i>Engineering Structures</i>, Volume 336, 1 August 2025, 120448 8. De Iuliis M., Miceli E., Castaldo P., "An energy framework to control viscoelastic semi-active devices in plan-wise one-way asymmetric systems", accepted for publication on <i>Structural Control and Health Monitoring</i> - DOI: 10.1155/stc/7091316 9. De Iuliis M., Miceli E., Castaldo P., "Machine learning modelling of structural response for different seismic signal characteristics: a parametric analysis", <i>Applied Soft Computing</i>, Volume 164, October 2024, 112026 10. Castaldo, P. and De Iuliis, M., "Optimal integrated seismic design of structural and viscoelastic bracing-damper systems". <i>Earthquake Engineering & Structural Dynamics</i>. Vol. 43. Pag.1809-1827 ISSN:0098-8847. 11. Castaldo, P. and De Iuliis, M., "Effects of deep excavation on seismic vulnerability of existing reinforced concrete framed structures". <i>Soil Dynamics And Earthquake Engineering</i>. Vol. 64. Pag.102-112 ISSN:0267-7261. 12. De Iuliis M., Faella C. "Effectiveness analysis of a semiactive base isolation strategy using information from an early-warning network" – <i>Engineering Structures</i>, Vol. 52, July 2013, Pages 518–535 13. Petti L., Giannattasio G., De Iuliis M., Palazzo B. "Small scale experimental testing to verify the effectiveness of the base isolation and tuned mass dampers combined control strategy" – <i>Smart Structures and Systems</i> Vol. 6, n°1, 2010, pp. 57-72 14. Petti L., De Iuliis M. "Robust design of a Single Tuned Mass Damper for controlling torsional response of asymmetric-plan systems", <i>Journal of Earthquake Engineering</i>, 13(1), 2009, pp. 108-128.

	15. Petti L., De Iuliis M. “Torsional Seismic Response Control Of Asymmetric-Plan Systems By Using Viscous Dampers”, <i>Engineering Structures</i> 30 (2008), pp. 3377-3388 16. De Iuliis M., Castaldo P., “An Energy-based Approach to the Seismic Control of One-Way Asymmetrical Structural Systems using Semi-Active Devices”, <i>Ingegneria Sismica – International Journal of Earthquake Engineering</i>, Patron Editore, Anno XXIX, ISSN: 0393-1420, 2012 (4), pp. 31-42. 17. Petti L., De Iuliis M. “Optimal Design of Supplemental Dampers in Framed Structures”, <i>European Earthquake Engineering – 18</i> (1), 37-44, 2004 18. Petti L., De Iuliis M. “Optimal robust design of a Single Tuned Mass Damper for controlling torsional response of asymmetric-plan systems”, <i>European Earthquake Engineering – 21</i> (1), 2007
Papers in Book	19. Vailati M., Monti G., Realfonzo R., Khazna MJ, De Iuliis M. “<i>Probabilistic seismic response analysis of existing masonry structures</i>”. <i>Brick and Block Masonry – Trends, Innovations and Challenges</i> – Modena, Da Porto & Valluzzi (Eds), © 2016 Taylor & Francis Group, London, ISBN 978-1-138-02999-6 20. Palazzo B., Petti L., De Iuliis M., Sguazzo S. “A passive robust control strategy for reinforced concrete structures: Base Isolation and Tuned Mass Damping”, In: <i>Seismic Engineering for Concrete Structures. Italian Perspective</i>, CHIORINO AND NANNI EDS., pp. 73-82, 2006, Vol. 1, ISBN: 8887030-99-5 21. Palazzo B., Petti L., De Iuliis M. “Torsional seismic response control of asymmetric-plan RC structures by using viscous dampers”, In: <i>Seismic Engineering for Concrete Structures. Italian Perspective</i>, M.A. CHIORINO AND A. NANNI EDS., pp. 95-104, 2006, Vol. 1, ISBN: 8887030-99-5 22. Troisi R., De Iuliis M. “Cost Estimation in the Implementation of New Technologies: The Case of Green Hydrogen”, In: <i>Networks, Markets & People</i>. F. Calabrò et al. (Eds.): NMP 2024, LNNS 1187, pp. 1–10, 2024. https://doi.org/10.1007/978-3-031-74704-5_29
Papers in International Conferences (with referees)	23. Palazzo B., Petti L., De Iuliis M. "Optimum active and semi-active control methodologies for base isolated system" - <i>2nd European Conference on Structural Control (2ECSC)</i>, Champs sue Marne, France 3-6 July 2000 24. Palazzo B., Petti L., De Iuliis M. "Robust Design of Base Isolated Systems with Tuned Mass Damper" - <i>3rd World Conference on Structural Control</i>, Como, 7-12 April 2002 25. Petti L., De Iuliis M., Palazzo B. "Strength Reduction Factors for Performance Based Seismic Design" - <i>Stessa 2003 “Behaviour of steel structures in seismic areas” – Napoli 9-12 Giugno 2003</i> 26. Palazzo B., Petti L., De Iuliis M. "A new design methodology of viscous damping systems based on damage control” – <i>Proceedings of the “8th World Seminar on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structure”</i> Yerevan, Armenia, October 6-10, 2003 27. Palazzo B., Petti L., De Iuliis M. “A passive robust control strategy: Base Isolation System and Tuned Mass Damping”, <i>Proceedings of the 3th European Conference on Structural Control</i>, Vienna, July 13 - 15, 2004 28. De Iuliis M., Palazzo B., Petti L. "New design methodology for viscous damped structures based on performance criteria”, <i>Proceedings of the 3th European Conference on Structural Control</i>, Vienna, July 13 - 15, 2004 29. Petti L., Palazzo B., De Iuliis M. "Optimal damping allocation for controlling the torsional seismic response of asymmetric-plan systems”, <i>Proceedings of the 3th European Conference on Structural Control</i>, Vienna, July 13 - 15, 2004 30. Palazzo B., Petti L., De Iuliis M. “A modal approach to optimally place dampers in framed structures”, <i>Proceedings of the 13th World Conference on Earthquake Engineering Vancouver, BC Canada, August 1 - 6, 2004</i>

31. Palazzo B., Petti L., **De Iuliis M.** "Reduction factors for performance based seismic design of structures with supplemental dampers", *Proceedings of the 13th World Conference on Earthquake Engineering Vancouver, Canada, August 1 - 6, 2004*
32. Palazzo B., Petti L., **De Iuliis M.** "Torsional seismic response control of asymmetric-plan systems by using viscous dampers", *Proceedings of the 13th World Conference on Earthquake Engineering Vancouver, BC Canada, August 1 - 6, 2004*
33. Petti L., **De Iuliis M.**, Palazzo B. "Optimal robust design of Tuned Mass Damper for controlling torsional response of asymmetric-plan systems", *Proceedings of the Sixth European Conference on Structural Dynamics – Paris 4-7 September 2005*
34. Petti L., **De Iuliis M.**, Palazzo B. "The role of optimal damping allocation to control torsional seismic response in asymmetric-plan systems", *Proceedings of the Sixth European Conference on Structural Dynamics – Paris 4-7 September 2005*
35. Palazzo B., Petti L., **De Iuliis M.** "Tuned Mass Dampers To Control The Base-Isolated Benchmark Building Model", *Proceedings of the 1st European Conference on Earthquake Engineering and Seismology – 3-8 September – Geneve (CH)*
36. Petti L., **De Iuliis M.** "A new approach to design extra-structural dissipation systems in framed structure by considering seismic demand spectra", *Proceedings of the 4th World Conference on Structural Control and Monitoring - 11-13 July 2006 – San Diego (USA)*
37. Palazzo B., Petti L., **De Iuliis M.** "Supplemental Dampers Optimal location to control the seismic response of asymmetric-plan buildings", *Proceedings of the 4th World Conference on Structural Control and Monitoring - 11-13 July 2006 – San Diego (USA)*
38. Palazzo B., Petti L., **De Iuliis M.** "Seismic response of base-isolated benchmark building model controlled by Tuned Mass Dampers", *Proceedings of the 4th World Conference on Structural Control and Monitoring - 11-13 July 2006 – San Diego (USA)*
39. Petti L., Marino I., Giannattasio G., **De Iuliis M.** "The role of modeling in push-over analysis of existing r.c. frame structures", *Proceedings of the COMPDYN 2007 Conference - Computational Methods in Structural Dynamics and Earthquake Engineering, 13 – 16 June 2007, Rethymno, Crete, Greece*
40. Palazzo B., Petti L., **De Iuliis M.** "Tuned mass dampers to control the non-linear response of the benchmark isolated structure", accepted for publication in *Proceedings of the 14th WCEE Conference – World Conference on Earthquake Engineering, 12 – 17 October 2008, Beijing, China*
41. Petti L., **De Iuliis M.**, Giannattasio G. "Small scale experimental testing to verify the effectiveness of the base isolation and tuned mass dampers combined control strategy", *Proceedings of the 14th WCEE Conference – World Conference on Earthquake Engineering, 12 – 17 October 2008, Beijing, China*
42. Petti L., **De Iuliis M.**, Palazzo B. "An investigation on semi-active control strategies using information provided by an early warning network system", *Proceedings of the 4th ECSC Conference – European Conference on Structural Control, September 8-12, 2008, San Petersburg, Russia*
43. Petti L., **De Iuliis M.** "Effectiveness analysis of Base Isolation and Tuned mass damping combined strategy to control the non-linear response of a benchmark structure", *Proceedings of the 4th ECSC Conference – European Conference on Structural Control, September 8-12, 2008, San Petersburg, Russia*
44. Petti L., Giannattasio G., **De Iuliis M.** "Small scale experimental testing on base isolation and tuned mass damper combined control strategy", *Proceedings of the 4th ECSC Conference – European Conference on Structural Control, September 8-12, 2008, San Petersburg, Russia*
45. Palazzo B., Calvello M., **De Iuliis M.**, Castaldo P. "Effects of Deep Excavations on Existent Buildings", *Proceedings of the 33rd IABSE Symposium on Sustainable Infrastructure, Environment Friendly, Safe and Resource Efficient, Bangkok, Thailand, September 9-11, 2009*

	46. Palazzo B., De Iuliis M., Castaldo P. "Non linear response spectra of the near-fault L'Aquila event", <i>Proceedings of the 14th European Conference on Earthquake Engineering</i> - Ohrid, 2010, ISBN 9786086518516, ID 516. 47. Palazzo B., Calvello M., De Iuliis M., Castaldo P., "Effects of Deep Excavations on Existent Buildings", <i>Proceedings of the 13th International Conference of the International Association for Computer Methods and Advances in Geomechanics</i>, 9-11 May 2011 Melbourne, Australia, ISBN: 9780980824421, pp. 1190-1196. 48. De Iuliis M., Petti L., Palazzo B. "A genetic algorithm for feed-forward control of semi-active devices within an early warning network system", accepted for publication on the <i>Proceedings of the 14th European Conference on Earthquake Engineering</i> - Ohrid, 2010, ISBN 9786086518516 49. Vailati M., Monti G., Realfonzo R., Khazna MJ, De Iuliis M., Valeri G, "A simplified approach for the seismic assessment of existing masonry structures using few analyses". <i>The 4th International Workshop "Dynamic Interaction of Soil and Structure" (DISS15)</i>, Rome 12-13 November 2015 50. Vailati M., Monti G., Realfonzo R., Khazna MJ, De Iuliis M. "Probabilistic seismic response analysis of existing masonry structures". <i>Brick and Block Masonry – Trends, Innovations and Challenges – Modena, Da Porto & Valluzzi (Eds), © 2016 Taylor & Francis Group, London, ISBN 978-1-138-02999-6</i> 51. De Iuliis M., Miceli E., Castaldo P. "Neural Networks to Optimize Design Parameters of Bridges Isolated with Double Concave Friction Pendulum" - <i>3rd fib Italy YMG Symposium on Concrete and Concrete Structures</i>, 2023; pp. 87-94 52. De Iuliis M., Alfano G. "The Corrupt Nexus: Understanding Power Dynamics between Firms and Public Officials" – <i>EURAM 2024 Conference "Foresting Innovation to address grand challenges"</i> – Bath (UK) 25-28 June 2024 53. De Iuliis M., Troisi R. "Climate Risks and Corporate Performances: A Machine Learning Model to Assess Organizational Strategicity" - <i>CSBF 2024 - 2nd Conference on sustainable banking & finance</i>, University of Napoli Parthenope, Italy, June 21, 2024 54. De Iuliis M. "Identification of effective seismic parameters for simulating non-linear structural response using machine learning approach", accepted for <i>Compdyn 2025</i>, 15-18 June 2025, Rhodes Island, Greece, 10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering 55. Miceli E., Amendola G., De Iuliis M., Alfano G., Castaldo P. "Full-probabilistic seismic response of 3D isolated bridges under spatially variable earthquake ground motion", in review for <i>Compdyn 2025</i>, 15-18 June 2025, Rhodes Island, Greece, 10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering 56. Gino D., Miceli E., Giordano L., De Iuliis M., Castaldo P., Mancini G., Deiana M. "Experience from experimental testing of an existing PRC bridge beam", in review for <i>CACRCS (Capacity Assessment of Corroded Reinforced Concrete Structures)</i> days 2025, Lecco, June 30 / July 3, 2025.
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Book	Massimiliano De Iuliis “Esercizi risolti di Statistica e calcolo delle probabilità” – Libreria Universitaria edizioni – ISBN: 9788833597393
Journal and Conference reviewer	MECHANICS RESEARCH COMMUNICATIONS - ISSN: 0093-6413 Imprint: Elsevier ENGINEERING STRUCTURES - ISSN: 0141-0296 Imprint: Elsevier STRUCTURAL ENGINEERING AND MECHANICS, An International Journal - ISSN: 1225-4568 Imprint: Techno-Press 5th International Symposium "NEW METROPOLITAN PERSPECTIVES" - Local Knowledge and innovation dynamics towards territory attractiveness through the implementation of Horizon/E2020/Agenda2030 - Reggio Calabria (Italy), 25-27 May 2022
Teaching Activity at Politecnico di Torino	Contribution to the module “Tecnica delle Costruzioni”, Third year Bsc, Msc in Building Engineering. Academic year: 2024-25 Contribution to the module “Structural Engineering”, 1st degree and Bachelor-level of the Bologna process in Civil And Environmental Engineering. Academic year: 2024-25
Teaching Activity at University of Central Lancashire	Responsibility for the module “Civil Engineering Technology”, First year Bsc, Msc in Civil Engineering. January – June 2016
Teaching Activity at University of Sannio	Full responsibility for the module “Design and verification of steel and reinforced concrete road safety structures” in the PON Project post-graduate course “Active Safety Barrier”- June 2012 Full responsibility for the module “Design provision for road safety structural elements” in the PON Project post-graduate course “Active Safety Barrier”- June 2012
Teaching Activity at University of Salerno	Full responsibility for the module “Applied Statistics” – Bachelor's degree in Management Engineering – 2022-2024 Full responsibility for the module “Statistics for Process Engineering”– Bachelor's degree in Chemical and Mechanical Engineering – 2022-current Full responsibility for the module “Statistics for Production Systems” – Bachelor's degree in Management Engineering – 2022-current

	Full responsibility for the module “Statistics”– Bachelor's degree in Political and Communication Sciences – 2022-2024 Full responsibility for the post-graduate course “Reliability theory application to seismic protection of structures”- July 2009 Full responsibility for the post-graduate course “Introduction to Structural Reliability and Safety”- November 2008 Responsibility for Exercise Lessons on “<i>Seismic Engineering</i>” course, held by prof. L. Petti. Academic years 2002-2003 to 2008-2009 Responsibility for Exercise Lessons on “<i>Structural Engineering I</i>” course, held by prof. B. Palazzo. Academic years 2002-2003 to 2009-2010 Responsibility for Exercise Lessons on “<i>Design of Bridge</i>” course, held by prof. B. Palazzo. Academic year 2009-2010 Responsibility for Exercise Lessons on “<i>Structural Engineering II</i>” course, held by Prof. Bruno Palazzo, academic year: 2002/2003. Responsibility for Exercise Lessons on “<i>Monitoring and Diagnosis of the vulnerability of the built environment</i>” course – Specialised degree course in Environmental and Territorial Engineering, Environmental Recovery – held by Prof. L. Petti, academic year: 2004/2005 Responsibility for Exercise Lessons on “<i>Structural Engineering II</i>” course, held by Prof. Roberto Realfonzo, academic years: 2006/2007, 2007/2008 and 2010/2011. Responsibility for Exercise Lessons on “<i>Special Structures</i>” course, held by Prof. Roberto Realfonzo, academic years: 2006/2007 to 2007/2008. Tutoring students on “<i>Seismic Engineering</i>” course, held by Prof. B. Palazzo, academic years: 1999/2000, 2000/2001, 2001/2002. Tutoring students on “<i>Seismic Engineering</i>”, course, held by Prof. L. Petti, academic years 2002-2003 to 2008-2009. Tutoring students on “<i>Structural Engineering I</i>”, course, held by Prof. B. Palazzo, academic years 2001-2002 to 2008-2009. Tutoring students on “<i>Structural Engineering II</i>”, course held by Prof. B. Palazzo, academic year: 2002/2003. Tutoring students on “<i>Monitoring and Diagnosis of the vulnerability of the built Environment</i>” – course – Specialised degree course in Environmental and Territorial Engineering, Environmental Recovery – held by Prof. L. Petti, academic year: 2004/2005 Tutoring students on “<i>Structural Engineering II</i>” course held by Prof. Roberto Realfonzo, academic year: 2006/2007 to 2008/2009. Tutoring students on “<i>Special Structures</i>”, course held by Prof. Roberto Realfonzo, academic year: 2006/2007 to 2008/2009.
Supervising activity – graduate students	- <i>Co-Supervisor of the following PhD dissertations – University of Salerno:</i> “Integrated design of structural systems equipped with viscous and viscoelastic aseismic devices” – PhD candidate: Dr. Paolo Castaldo - <i>Co-Supervisor of the following undergraduate dissertations – Polytechnic of Turin:</i>

	“Le reti neurali nella progettazione dell’isolamento sismico di viadotti ad impalcato continuo”, Ing. Andreas Piva. “A Probabilistic Approach to Optimizing the Friction Coefficient in FPS Bearing Devices within a Performance-Based Seismic Engineering Framework”, Dr. Roozbeh Gholamin - <i>Co-Supervisor of the following undergraduate dissertations – University of Salerno:</i> <u>Degree in Environmental and territorial Engineering:</u> “Modalità costruttive e aspetti funzionali delle opere in c.a. di un impianto di depurazione”, Ing. Gianvincenzo Novarese. “Modalità costruttive di un edificio in c.a.”, Ing. Pietro Falcone. “Modalità costruttive e aspetti funzionali delle opere in c.a. di un impianto di depurazione”, Ing. Giovanni Morra “Aspetti costruttivi e tecnologici di un edificio a tre piani in cemento armato”, Ing. Mario Iandolo “L’esperienza di tirocinio: progetto ed esecuzione di un piccolo edificio in cemento armato”, Ing. Antonio Gesumaria “Analisi degli aspetti progettuali e costruttivi di un capannone industriale con elementi strutturali in cemento armato precompresso”, Ing. Valerio Masucci “Rassegna dei principali metodi distruttivi e non distruttivi per la valutazione delle caratteristiche del calcestruzzo in sito: analisi di alcuni casi studio”, Ing. Mancuso Alessandro “Rassegna dei principali metodi distruttivi e non distruttivi per la valutazione delle caratteristiche del calcestruzzo in sito: analisi di alcuni casi studio”, Ing. Fausto Giovanni “Elementi costruttivi e di calcolo relativi alla ricostruzione di un piccolo edificio per civile abitazione”, Ing. Genovese Egidio “Prova di resistenza a compressione su provini in calcestruzzo: aspetti metodologici e applicativi”, Ing. Rocco Manzo “Aspetti costruttivi e di calcolo di un edificio in c.a. per abitazione”, Ing. Marco Ciavola “Relazione illustrativa del tirocinio: Aspetti strutturali e di sicurezza del cantiere - Palazzo Iandoli - in Avellino”, Ing. Angela Montemarano <u>Degree in Mechanical Engineering:</u> “Analisi statistica relativa alla sostenibilità economica degli impianti di produzione di energia mediante idrogeno verde”, Ing. Sinfarosa Mattia Gabriele - <i>Co-Supervisor of the following postgraduate degree dissertations in Civil Engineering – University of Salerno:</i> “Controllo della risposta sismica di sistemi isolati asimmetrici in pianta mediante l’impiego di dissipatori viscosi”, Ing. Ivan De Santis “Analisi dell’affidabilità di strutture intelaiate in c.a. progettate secondo l’Eurocodice 8”, Ing. Mediatore Alessandro “Metodologie e procedure di analisi statica non lineare per lo studio del comportamento sismico di strutture intelaiate tridimensionali”, Ing. Giovanni Giannattasio “Girder bridge's seismic retrofit by using elastomeric and sliding bearings”, Ing. Vincenzo Carpentieri “Girder bridges seismic response control by using U-hyde semiactive devices”, Ing. Marianna Faino “Use of isolation for the seismic retrofit of existing bridge structures”, Ing. Silvia Concilio - <i>Interventions on following refresher courses:</i> Course on “Regulations and safeguarding measures for construction in a seismic zone”, title of lecture: “<i>Anti-seismic detection and protection techniques for reinforced concrete structures</i>” – Salerno Association of Surveyors – 09/03/2005
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	Short course on “Design in seismic zone”, title of lecture “<i>Theoretical notes on the method of limit-states. Comparison with the method of admissible strains</i>” – Avellino Association of Engineers – 18/05/2007 Course on “Estimation and reduction of cultural heritage buildings seismic vulnerability”, title of lecture “Extra-structural energy dissipation strategy to reduce seismic damage in structural systems” - Progetto Schola 2 – Attività ORU 01.3 job, University of Salerno – 22/12/2007 Course on “New Italian Technical Provision”, title of lecture “<i>Limit states and Load Conditions</i>” – Avellino Association of Engineers – 07-14/11/2008
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Minori li 29/04/25

Dr. Massimiliano De Iuliis

