

CURRICULUM VITAE di:

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| Nominativo | Anna Saetta |
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Posizione accademica

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| Macrosettore: | 08/B – INGEGNERIA STRUTTURALE E GEOTECNICA |
| Settore Concorsuale: | 08/B3 - TECNICA DELLE COSTRUZIONI |
| Settore Scientifico Disciplinare: | ICAR/09 - TECNICA DELLE COSTRUZIONI |
| Qualifica: | Professore Ordinario |
| Anzianità nel ruolo: | |
| Sede Universitaria: | Università IUAV di Venezia |
| Struttura di afferenza (dipartimento o altro) | Dipartimento di Culture del Progetto |

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

| Periodo | Fascia | Ateneo |
|-----------|----------------------|----------------------------|
| 1992-2000 | Ricercatore | Università IUAV di Venezia |
| 2000-2016 | Professore Associato | Università IUAV di Venezia |
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Pubblicazioni Scientifiche

| n. progr. | Descrizione pubblicazione |
|-----------|--|
| 1. | Saetta A.V., Schrefler B.A., Vitaliani R., Solution strategies for coupled consolidation analysis in porous media, <i>Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería</i> , vol. 7, n° 1, pp. 55-66, 1991. |
| 2. | Saetta A.V., Vitaliani R.V. A finite element formulation for shell of arbitrary geometry, <i>Computers & Structures</i> , vol. 37, n° 5, pp. 781-793, 1990. Abstracted paper in the <i>Applied Mechanics Reviews</i> , vol. 44, n° 5, abstract n° 532, May 1991. |

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| 3. | Saetta A.V., Vitaliani R.V., A finite element analysis of three dimensional box-type structure interacting with soil, <i>Int. J. of Computers and Geotechnics</i> , vol. 12, n° 3, pp. 179 - 208, 1991. |
| 4. | Saetta A.V., Vitaliani R., The Automatic Computation of Influence Lines, <i>Int. J. of Engineering Education</i> , vol 8, n° 3, pp. 235-240, Dicembre 1992. |
| 5. | Saetta A.V., Vitaliani R.V., Unconditionally convergent partitioned solution procedure for coupled mechanical systems, <i>Int. J. of Numerical Methods in Engineering</i> , vol. 33, n° 9, pp. 1975 - 1996, June 1992. |
| 6. | Saetta A.V., Schrefler B.A., Vitaliani R.V., The carbonation of concrete and the mechanism of moisture, heat and carbon dioxide flow through porous materials, <i>Cement and Concrete Research</i> , vol. 23 n° 4 pp. 761-772, 1993. |
| 7. | Saetta A.V., Scotta R., Vitaliani R.V., The numerical analysis of chloride penetration in concrete, <i>ACI Materials Journal</i> , vol. 90, n° 5, pp.441-451, 1993. |
| 8. | Gajo A., Saetta A., Vitaliani R., Evaluation of three and two fields finite element method for the dynamic response of saturated porous media, <i>Int. J. of Numerical Methods in Engineering</i> , vol. 37, n° 7, pp.1231-1247, 1994. |
| 9. | Saetta A.V., Scotta R., Vitaliani R., Stress analysis of concrete structures subjected to time-variable thermal loads, vol. 121, n° 3, p. 446, <i>Journal of Structural Engineering, ASCE</i> , 1995. |
| 10. | Saetta A.V., Schrefler B.A., Vitaliani R.V., 2 - D Model for carbonation and moisture-heat flow in porous materials, <i>Cement and Concrete Research</i> , vol. 25, no. 8, pp. 1703-1712, 1995 |
| 11. | Gasparini A.M., Saetta A.V., Vitaliani R.V., On the stability and instability regions of nonconservative continuous system under partially follower forces, <i>Comput. Methods in Appl. Mech. Engrg</i> , 124, 63-78, 1995. |
| 12. | Gajo A., Saetta A., Vitaliani R., Silent boundary conditions for the wave propagation problems in saturated porous media, <i>Int. J. of Numerical and Analytical Methods in Geomechanics</i> , vol. 20, pp.253-273, 1996. |
| 13. | Vitaliani R.V., A.M. Gasparini, Saetta A.V., Finite element solution of the stability problem for nonlinear undamped and damped systems under nonconservative loading, <i>Int. J. of Solids and Structures</i> , vol. 34, n. 19, pp. 2497-2516, 1997 |
| 14. | Saetta A.V., Scotta R., Vitaliani R. Mechanical Behaviour of Concrete under Physical-Chemical Attacks, <i>Journal of Engineering Mechanics, ASCE</i> , pg. 1100-1109, October 1998, vol. 124, issue 10 |
| 15. | Saetta A.V., Scotta R., Vitaliani R. Reliability of Reinforced Concrete Structures under Chemical-Physical Attack, invited paper, <i>AJSE 23:2C (December 98), Theme Issue Concrete Repair, Rehabilitation & Protection</i> , pp. 41-56, 1998 |
| 16. | Saetta A., Scotta R., Vitaliani R. Coupled Environmental-Mechanical Damage Model of RC Structures, <i>Journal of Engineering Mechanics, ASCE</i> , pp. 930-940, August 1999, vol. 125, issue 8 |
| 17. | Scotta R., Vitaliani R., Saetta A., Oñate E., Hanganu A, A scalar damage model with a shear retention factor for the analysis of reinforced concrete structures: theory and validation, <i>Computers & Structures</i> , vol. 79 (7) (2001) pp. 737-755. |

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| 18. | Lazzari, M., Saetta A., Vitaliani, R., Non-Linear Dynamic Analysis of Cable-Suspended Structures Subjected to Wind Actions, <i>Computers & Structures</i> , vol. 79/9, pp. 953-969, March 2001. |
| 19. | Ricci Maccarini, R., Saetta A., Vitaliani, R., A non-linear finite element formulation for shells of arbitrary geometry, <i>Comput. Methods in Appl. Mech. Engrg</i> , vol. 190/31, pp. 4967-4986 2001 |
| 20. | Berto L., Saetta A., Scotta R., Vitaliani R., An orthotropic damage model for masonry structures, <i>International Journal for Numerical Methods in Engineering</i> , Vol. 55 no. 2 pp. 127-157, 2002 |
| 21. | Creazza G., Saetta A.V., Matteazzi R., Vitaliani R.V., Analyses of masonry vaults: a macro approach based on a 3-D damage model, <i>Journal of Structural Engineering, ASCE</i> , vol. 128, N° 5, pp. 646-654, May, 2002 |
| 22. | Majowiecki M., Lazzari, M., Saetta A., Vitaliani, R., Dynamic Behavior of a Tensegrity System Subjected to Follower Wind Loading, <i>Computers & Structures</i> , Volume 81, Issues 22-23, September 2003, pp. 2199-2217. |
| 23. | Lazzari, M., Saetta A., Vitaliani, R., Aeroelastic Forces and Dynamic Response of Long-Span Bridges, <i>International Journal for Numerical Methods in Engineering</i> , Volume 60, Issue 6, pp.: 1011-1048, 2004. |
| 24. | Saetta A., Vitaliani, R., Experimental investigation and numerical modeling of carbonation process in reinforced concrete structures - Part I theoretical formulation, <i>Cement and Concrete Research</i> , 34, pp.571-579, 2004 |
| 25. | Berto L., Saetta A., Scotta R., Vitaliani R., Shear behaviour of masonry panel: parametric FE analyses, <i>Int. J. of Solids and Structures</i> , vol. 41, n. 16-17, pp. 4383-4405, 2004 |
| 26. | Berto L., Saetta A., Scotta R., Vitaliani R., Failure Mechanism of Masonry Prism Loaded in Axial Compression: Computational Aspects, <i>Journal Materials and Structures, RILEM</i> , vol.38, issue 276, 249-256, March 2005 |
| 27. | Saetta A., Vitaliani, R., Experimental investigation and numerical modeling of carbonation process in reinforced concrete structures - Part II practical applications, <i>Cement and Concrete Research</i> , Volume 35, Issue 5, May 2005, pp. 958-967 |
| 28. | Saetta A. Deterioration of Reinforced Concrete Structures due to Chemical-Physical Phenomena: Model-Based Simulation, <i>Journal of Materials for Civil Engineering, ASCE</i> , Volume 17, Issue 3, pp. 313-319, May/June 2005 |
| 29. | Berto L., Simioni P., Saetta A., Numerical modelling of bond behaviour in rc structures affected by reinforcement corrosion, <i>Engineering Structures</i> , Volume 30, Issue 5, May 2008, pp 1375-1385 |
| 30. | Lazzari, M., Majowiecki M., Saetta A., Vitaliani, R., Nonlinear F.E. analysis of Montreal Olympic Stadium roof under natural loading conditions, <i>Engineering Structures</i> , Volume 31, Issue 1, January 2009, pp. 16-31 |
| 31. | Berto L., Simioni P., Saetta A., Vitaliani R., Seismic reliability of existing rc structures affected by degradation phenomena, <i>Structural Safety</i> , Volume 31, Issue 4, July 2009, pp. 284-297 |
| 32. | Scotta R., Tesser L., Vitaliani R., Saetta A., Global damage indexes for the seismic performance assesement of r.c. structures, <i>Earthquake Engineering and Structural Dynamics</i> , Volume 38 Issue 8, pp. 951 - 1052 (10 July 2009) |

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| 33. | Morbiato T., Saetta A., Vitaliani, R. Numerical analysis of a synchronization phenomenon: pedestrian–structure interaction, <i>Computers & Structures</i> , 89, 2011, pp. 1649-1663 |
| 34. | Berto L., Favaretto T., Saetta A., Antonelli F., Lazzarini L. Assessment of seismic vulnerability of art objects: The Galleria dei Prigioni sculptures at the Accademia Gallery in Florence, <i>Journal of Cultural Heritage</i> , Available online 10 August 2011, Volume 13, Issue 1, pp. 7–21, January–March 2012 |
| 35. | Berto L., Saetta A., Simioni P., Structural risk assessment of corroding rc structures under seismic excitation, <i>Construction & Building Materials</i> , Volume 30, pp. 803–813, May 2012 |
| 36. | Mazzarolo E., Scotta R., Berto L., Saetta A., Long anchorage bond-slip formulation for modeling of r.c. elements and joints, <i>Engineering Structures</i> , 34, 330-341, 2012 |
| 37. | Berto, L., Favaretto, T., Saetta, A., Seismic risk mitigation technique for art objects: experimental evaluation and numerical modelling of double concave curved surface sliders, <i>Bulletin of Earthquake Engineering</i> , 11, 5, pp. 1817-1840, 2013 |
| 38. | De Stefani L., Scotta R., Lazzari, M., Saetta, A., Seismic improvement of slender masonry tower by using hysteretic devices and partial prestressing technique, <i>Bulletin of Earthquake Engineering</i> , 12, 2, 829-853, 2014 |
| 39. | Berto L., Saetta A., Scotta R., Talledo D., A coupled damage model for r.c. structures: proposal for a frost deterioration model and enhancement of mixed tension domain, <i>Construction & Building Materials</i> , Volume 65, 29 August 2014, pp. 310–320, 2014. |
| 40. | Finozzi I.B.N., Berto L., Saetta A., Structural response of corroded RC beams: a comprehensive damage approach, <i>Computers and Concrete</i> , volume 15, issue 3, pp. 411-436, 2015. |
| 41. | Berto L., Bullo S., Cecchi A., Saetta A., Sensitivity of mechanical masonry characteristics to modeling procedures, <i>International Journal for Multiscale Computational Engineering</i> , 13(4), pp. 347-366, 2015. |
| 42. | Baggio S., Berto L., Favaretto T., Saetta A., Vitaliani R., Seismic isolation technique of marble sculptures at the Accademia Gallery in Florence: numerical calibration and simulation modelling, <i>Bulletin of Earthquake Engineering</i> , September 2015, Volume 13, Issue 9, pp 2719-2744, 2015. |
| 43. | Berto L., Saetta A., Talledo D., Constitutive model of concrete damaged by freeze–thaw action for evaluation of structural performance of RC elements, <i>Construction & Building Materials</i> , Volume 98, 15 November 2015, pp. 559–569, 2015. |
| 44. | Berto, L., Budelmann, H, Finozzi, I.B.N, Saetta, A, Talledo, D.A. (2015). Coupled damage model for RC elements assessment under environmental degradation, <i>American Concrete Institute, ACI Special Publication</i> . Volume 2015-January, Issue SP 305, 2015, Pages 5.1-5.10. 1st International Workshop on Durability and Sustainability of Concrete Structures, DSCS 2015; Bologna; Italy; 1 October 2015 through 3 October 2015 |
| 45. | Berto L, Doria A., Faccio P., Saetta A., Talledo (2017): Vulnerability Analysis of Built Cultural Heritage: A Multidisciplinary Approach for Studying the Palladio’s Tempietto Barbaro, <i>International Journal of Architectural Heritage</i> , 11(6), pp. 773-790. doi: 10.1080/15583058.2017.1290853 |
| 46. | Pozza, L., Saetta, A., Savoia, M., Talledo, D. (2017). Coupled axial-shear numerical model for CLT connections, <i>Construction and Building Materials</i> . Volume 150, 30 September 2017, pp. 568-582 |

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| 47. | Pozza L., Savoia M., Franco L., Saetta A. and Talledo D.A.. (2017). "Effect of different modeling approaches on the prediction of the seismic response of multi-storey CLT buildings". <i>International Journal of Computational Methods and Experimental Measurements</i> , Volume 5 (2017), Issue 6, pp. 953 – 965. Doi: 10.2495/CMEM-V5-N6-953-965 |
| 48. | Balletti, C., Ballarin, M., Faccio, P. Guerra F., Saetta A., Vernier P. 3D survey and 3D modelling for seismic vulnerability assessment of historical masonry buildings. <i>Appl Geomat</i> (1 st online April 2018). December 2018, Volume 10, Issue 4, pp 473–484. https://doi.org/10.1007/s12518-018-0214-6 . |
| 49. | Berto L., Rocca I., Saetta A., Vulnerability assessment methods for rocking and overturning of free standing elements, <i>Soil Dynamics and Earthquake Engineering</i> , Volume 110, July 2018, Pages 121-136, 2018. https://doi.org/10.1016/j.soildyn.2018.02.010 |
| 50. | Baggio S., Berto L., Rocca I., Saetta A., Vulnerability assessment and seismic mitigation intervention for artistic assets: from theory to practice, <i>Engineering Structures</i> , Volume 167 July 2018, Pages 272–286, 2018. (Available on line 12 maggio 2018). https://doi.org/10.1016/j.engstruct.2018.03.093 |
| 51. | Pozza L., Saetta A., Savoia M., Talledo D., Angle bracket connections for CLT structures: Experimental characterization and numerical modelling, <i>Construction and Building Materials</i> , Volume 191, 10 December 2018, Pages 95-113. https://doi.org/10.1016/j.conbuildmat.2018.09.112 |
| 52. | Finozzi I., Saetta A., Budelmann H., Structural response of reinforcing bars affected by pitting corrosion: experimental evaluation. <i>Construction and Building Materials</i> , Volume 192, 20 December 2018, Pages 478-488. https://doi.org/10.1016/j.conbuildmat.2018.10.088 |

Titoli ¹

- Direzione di enti o istituti di ricerca di alta qualificazione internazionale:
.....
- Responsabilità scientifica generale o di unità (work package, unità nazionale nei progetti europei o locale in quelli nazionali ecc.) per progetti di ricerca internazionali e nazionali ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari:
-
- Direzione o partecipazione a comitati di direzione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
-
- Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero:
-
- Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali:
-
- significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio:
-
- partecipazione come relatore a convegni di carattere scientifico nazionali o internazionali.
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¹ In via esemplificativa sono indicate alcune voci

- direzione o partecipazione a gruppi di ricerca, nazionali o internazionali, legati a università ovvero a qualificate istituzioni pubbliche o private:
-
- partecipazione a comitati di redazione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
-
- Altri titoli che contribuiscano a una migliore definizione del profilo scientifico:
-

data

18 maggio 2019

firma

Anna Satta
