**Vitenskapelige artikler publisert om PyOMA**

Aloisio, A., Pasca, D. P., Di Battista, L., Rosso, M. M., Cucuzza, R., Marano, G. C., & Alaggio, R. (2022, March). Indirect assessment of concrete resistance from FE model updating and Young's modulus estimation of a multi-span PSC viaduct: Experimental tests and validation. In Structures (Vol. 37, pp. 686-697). Elsevier.

Aloisio, A., Rosso, M. M., & Alaggio, R. (2022). Experimental and analytical investigation into the effect of ballasted track on the dynamic response of railway bridges under moving loads. Journal of Bridge Engineering, 27(10), 04022085.

Pasca, D. P., Aloisio, A., Rosso, M. M., & Sotiropoulos, S. (2022). PyOMA and PyOMA_GUI: A Python module and software for Operational Modal Analysis. SoftwareX, 20, 101216.

Rosso, M. M., Aloisio, A., Cucuzza, R., Pasca, D. P., Cirrincione, G., & Marano, G. C. (2022). Structural Health Monitoring with Artificial Neural Network and Subspace-Based Damage Indicators. In Trends on Construction in the Digital Era: Proceedings of ISIC 2022 (pp. 524-537). Cham: Springer International Publishing.

Rosso, M. M., Aloisio, A., Cucuzza, R., Marano, G. C., & Alaggio, R. (2022, June). Train-track-bridge interaction analytical model with non-proportional damping: Sensitivity analysis and experimental validation. In European Workshop on Structural Health Monitoring: EWSHM 2022-Volume 1 (pp. 223-232). Cham: Springer International Publishing.

Aloisio, A., Pasca, D. P., Rosso, M. M., & Briseghella, B. (2023). Role of cable forces in the model updating of cable-stayed bridges. Journal of Bridge Engineering, 28(7), 05023002.

Rosso, M. M., Aloisio, A., Melchiorre, J., Huo, F., & Marano, G. C. (2023, August). Noise effects analysis on subspace-based damage detection with neural networks. In Structures (Vol. 54, pp. 23-37). Elsevier.

Aloisio, A., Pasca, D. P., Di Battista, L., Rosso, M. M., Cucuzza, R., Marano, G. C., & Alaggio, R. (2022, March). Indirect assessment of concrete resistance from FE model updating and Young's modulus estimation of a multi-span PSC viaduct: Experimental tests and validation. In Structures (Vol. 37, pp. 686-697). Elsevier.

Pasca, D. P., Aloisio, A., Fragiacomo, M., & Tomasi, R. (2021). Dynamic characterization of timber floor subassemblies: Sensitivity analysis and modeling issues. Journal of Structural Engineering, 147(12), 05021008.

Aloisio, A., Pasca, D., Tomasi, R., & Fragiacomo, M. (2020). Dynamic identification and model updating of an eight-storey CLT building. Engineering Structures, 213, 110593.

Aloisio, A., Contento, A., Alaggio, R., & Quaranta, G. (2023). Physics-based models, surrogate models and experimental assessment of the vehicle–bridge interaction in braking conditions. Mechanical Systems and Signal Processing, 194, 110276.

Simoncelli, M., Aloisio, A., Zucca, M., Venturi, G., & Alaggio, R. (2023). Intensity and location of corrosion on the reliability of a steel bridge. Journal of Constructional Steel Research, 206, 107937.

Briseghella, B., Fa, G., Aloisio, A., Pasca, D., He, L., Fenu, L., & Gentile, C. (2021, December). Dynamic characteristics of a curved steel–concrete composite cable-stayed bridge and effects of different design choices. In Structures (Vol. 34, pp. 4669-4681). Elsevier.

Capanna, I., Cirella, R., Aloisio, A., Alaggio, R., Di Fabio, F., & Fragiacomo, M. (2021). Operational modal analysis, model update and fragility curves estimation, through truncated incremental dynamic analysis, of a masonry belfry. Buildings, 11(3), 120.

Aloisio, A., Capanna, I., Cirella, R., Alaggio, R., Di Fabio, F., & Fragiacomo, M. (2020). Identification and model update of the dynamic properties of the san silvestro belfry in l'aquila and estimation of bell's dynamic actions. Applied Sciences, 10(12), 4289.

Ussher, E., Gurholt, C. U. D., Mikalsen, J. N., Aloisio, A., & Tomasi, R. (2022). Effect of construction features on the dynamic performance of mid-rise CLT platform-type buildings. Wood Material Science & Engineering, 17(4), 261-273.

Capanna, I., Cirella, R., Aloisio, A., Di Fabio, F., & Fragiacomo, M. (2021). Operational modal analysis and non-linear dynamic simulations of a prototype low-rise masonry building. Buildings, 11(10), 471.

He, L., Castoro, C., Aloisio, A., Zhang, Z., Marano, G. C., Gregori, A., ... & Briseghella, B. (2022). Dynamic assessment, FE modelling and parametric updating of a butterfly-arch stress-ribbon pedestrian bridge. Structure and Infrastructure Engineering, 18(7), 1064-1075.

Aloisio, A., Di Pasquale, A., Alaggio, R., & Fragiacomo, M. (2022). Assessment of seismic retrofitting interventions of a masonry palace using operational modal analysis. International Journal of Architectural Heritage, 16(5), 692-704.

Aloisio, A., Antonacci, E., Fragiacomo, M., & Alaggio, R. (2021). The recorded seismic response of the Santa Maria di Collemaggio basilica to low-intensity earthquakes. International Journal of Architectural Heritage, 15(1), 229-247.

Aloisio, A., Alaggio, R., & Fragiacomo, M. (2021). Bending stiffness identification of simply supported girders using an instrumented vehicle: full scale tests, sensitivity analysis, and discussion. Journal of Bridge Engineering, 26(1), 04020115.

Aloisio, A., Cirella, R., Antonacci, E., & Alaggio, R. (2022). Hypothesis on the Decrement of the First Natural Frequencies of the Santa Maria Di Collemaggio Basilica from Three Years Monitoring: The Role of the CLT Roof. International Journal of Architectural Heritage, 1-15.