

Lista publikacji bezpośrednio związanych z rozprawą

Machynia, A., Dworakowski, Z., Dziedziech, K., Dziendzikowski, M., Holak, K., 2026. *Vision-based automatic fatigue crack visualization and assessment in metallic structures*. Measurement 257, <https://doi.org/10.1016/j.measurement.2025.118521>

Spytek, J., **Machynia, A.**, Dziedziech, K., Dworakowski, Z., Holak, K., 2023. *Novelty detection approach for the monitoring of structural vibrations using vision-based mean frequency maps*. Mechanical Systems and Signal Processing 185, <https://doi.org/10.1016/j.ymssp.2022.109823>

Lista pozostałych publikacji

Machynia, A., Sobczak, M., Dworakowski, Z., Roemer, J.J., 2023. *Laser spot thermography for defect detection in composite structure*, in: Advances in Technical Diagnostics II: Proceedings of the 7th International Congress on Technical Diagnostics, ICTD 2022: 14–16 September 2022, Radom, Poland. pp. 75–84. https://doi.org/10.1007/978-3-031-31719-4_2

Sobczak, M., **Machynia, A.**, Dworakowski, Z., Roemer, J.J., 2023. *Experimental setup for nondestructive testing of composite structures using laser spot thermography*, in: Advances in Technical Diagnostics II: Proceedings of the 7th International Congress on Technical Diagnostics, ICTD 2022: 14–16 September 2022, Radom, Poland. pp. 75–84. https://doi.org/10.1007/978-3-031-31719-4_8

Machynia, A., Spytek, J., Dziedziech, K., Holak, K., Dworakowski, Z., 2023. *Vibration frequency-based optimal baseline selection for damage detection in SHM*, in: 10th European Workshop on Structural Health Monitoring: EWSHM 2022: Palermo, Italy, 4-7 July 2022. pp. 438–445. https://doi.org/10.1007/978-3-031-07258-1_45

Machynia, A., Sobczak, M., Dworakowski, Z., Roemer, J.J., 2022. *Laser spot thermography for defect detection in composite structure*, in: 7th ICTD 2022: 7th International Congress on Technical Diagnostics: September 14-16, 2022, Radom, Poland: Book of Abstracts. pp. 34–34.

Sobczak, M., **Machynia, A.**, Roemer, J.J., Dworakowski, Z., 2022. *Experimental setup for nondestructive testing of composite structures using laser spot thermography*, in: 7th ICTD 2022: 7th International Congress on Technical Diagnostics: September 14-16, 2022, Radom, Poland: Book of Abstracts. pp. 39–39.

Machynia, A., Dworakowski, Z., Dziedziech, K., Zdziebko, P., Konieczny, J., Holak, K., 2021. *Operational deflection shapes magnification and visualization using optical-flow-based image processing*. Sensors 21, <https://doi.org/10.3390/s21248351>