

Scopus/Wos Indexed Book Chapters and Conference Proceedings:

- 1) Parida, L., & Moharana, S. (2024). Application of Deep Learning Approach for Predicting Electromechanical Impedance Signal of Steel-Concrete Bond Failure: Baseline Free Approach. In International Workshop on Civil Structural Health Monitoring (pp. 203-213). Cham: Springer Nature Switzerland.
- 2) Parida, L., Moharana, S., & Giri, S. K. (2022). Detection and Prediction of Bond Degradation for Piezo Impedance-Based Structural Health Monitoring (PISHM) Using Hybrid Deep Learning Model. In Structural Integrity Conference and Exhibition (pp. 125-141). Singapore: Springer Nature Singapore.
- 3) Parida, L., & Moharana, S. (2021). Strength Evaluation and Prediction of Cement Concrete by Deep Learning Classification Using Nondestructive Test Results. In Conference and Exhibition on Non Destructive Evaluation (pp. 125-135). Singapore: Springer Nature Singapore.
- 4) Parida, L., & Moharana, S. (2023). Monitoring Loading Effects of Construction Steel Structure Using Piezo Transducer for Electromechanical Impedance Techniques. In Recent Advances in Materials, Mechanics and Structures (pp. 371-380). Springer, Singapore.
- 5) Parida, L., Moharana, S., & Giri, S. K. (2023). Machine learning approach for predicting impedance signatures of construction steel structures in various tensile pull actions. In Materials Today: Proceedings.
- 6) Kamal, M., Parida, L., & Banerjee, S. (2025). Application of electromechanical impedance and particle swarm optimization for probabilistic damage localization of weld cracks in portal steel frame. In Health Monitoring of Structural and Biological Systems XIX (Vol. 13437, pp. 302-312). SPIE.
- 7) Kamal, M., Parida, L., & Banerjee, S. (2025). Damage Localization and Uncertainty Analysis of Weld Cracks in Portal Steel Frame Based on Vibration and Electromechanical Impedance Technique. In STRUCTURAL HEALTH MONITORING 2025.