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LIST OF PUBLICATIONS

International Journals:

1. **Ambuj Sharma,** Sandeep Kumar and Amit Tyagi (2017), "Selection of Optimal Noise Filtering Technique for Guided Waves in Diagnosis of Structural Cracks", International Journal of structural Integrity. (**Accepted**)

2. **Ambuj Sharma**, Sandeep Kumar, Amit Tyagi and Kumar Kaushik Ranjan, (2017) "Wavelet Based Finite Element Simulation of Guided Waves Containing Harmonics", International Journal of Materials and Structural Integrity. (**Accepted**)

3. **Ambuj Sharma,** Sandeep Kumar and Amit Tyagi (2017), "Noise Filtering Techniques for Lamb Waves in Structural Health Monitoring", Multidiscipline Modeling in Materials and Structures. **(Accepted)**

4. **Ambuj Sharma,** Sandeep Kumar and Amit Tyagi (2017), "Modeling of Lamb wave for Cylindrical Structures Using Finite Element Approach and Selection of Optimal Noise Filtering Technique", Journal of Mechanical Engineering Sciences. **(Accepted).**

5. **Ambuj Sharma,** Sandeep Kumar, and Amit Tyagi (2017), "Multi-Scale Simulation for Linear and Nonlinear Wave Propagation", International Journal of Nonlinear Science and Numerical Simulation. (**Under review**).

6. **Ambuj Sharma,** Sandeep Kumar and Amit Tyagi (2017), "Discrete Wavelet for Posteriori Error Estimation in Finite Element Method", Applied Numerical Mathematics. (**Under review**).

International Conferences:

1. **Ambuj Sharma**, Sandeep Kumar, Amit Tyagi (2017) "Multi-scale Simulation of Elastic Waves Containing Higher Harmonics", ICTACEM 17, December 28-30, 2017, IIT Kharagpur, Kharagpur, India.

2. **Ambuj Sharma**, Sandeep Kumar, Amit Tyagi (2017) "Selection of Noise Filtering Technique for Lamb Waves in Identification of Crack in Cylindrical Structures", ICOVP 17, Nov.29- Dec. 2, 2017, IIT Guwahati, Guwahati, India.

3. **Ambuj Sharma**, Kumar Kaushik Ranjan, Sandeep Kumar, Amit Tyagi (2017) " Wavelet Based Finite Element Simulation of Guided Waves Containing Harmonics", INCAM 17, July 5-7, 2017, MNNIT Allahabad, Allahabad, India.

4. **Ambuj Sharma**, Kumar Kaushik Ranjan, and Amit Tyagi (2016) "Multi-scale Simulation of Lamb Waves Containing Harmonics", ICTIMCAMS December 14-17, 2016, BHU, Varanasi, India.

5. **Ambuj Sharma** and Sandeep Kumar (2016), "Modelling of Ultrasonic Guided Waves for Circular Cylindrical Structures Using Finite Element Approach and Selection of Noise Filtering Technique" Proceedings of NDT 2016 55th Annual British Conference of Non-Destructive Testing, September 12-14, 2016, Nottingham, UK.

6. **Ambuj Sharma**, Amit Tyagi and Sandeep Kumar (2015), " Finite Element Simulation of Guided Lamb Waves for Structural Cracks Detection and Selection of Noise Filtering Technique" Proceedings of ICOVP 2015 12th International Conference on Vibration Problems December 14-17, 2015, IIT Guwahati, India.

7. **Ambuj Sharma**, M. Nirbhay and Amit Tyagi (2015), "Diagnosis of Structural Cracks Using Wavelet Transform and Finite Element Method for Guided Waves". Proceedings of the 17th ISME Conference ISME17 October 3-4, 2015, IIT Delhi, New Delhi.