

Publications (journals)

1. K. Tongaria, A. Gogulapati, and N.K. Chandiramani, 'Identification of flutter boundary of a bridge deck section using CFD and flutter margin analysis', *Journal of Wind Engineering and Industrial Aerodynamics*, 246, 1-12, 105680. <https://doi.org/10.1016/j.jweia.2024.105680>, 2024
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3. K. K. Bera, N. K. Chandiramani, 'Controlling flutter of a cable-stayed bridge with output feedback driven winglets', *Journal of Wind Engineering and Industrial Aerodynamics*, 206, 1-13, 104372. <https://doi.org/10.1016/j.jweia.2020.104372>, 2020
4. K. K. Bera, N. K. Chandiramani, 'Aeroelastic flutter control of a bridge using rotating mass dampers and winglets', *Journal of Vibration and Control*, 26(23-24) 2185-2192, DOI: 10.1177/1077546320915341, 2020
5. K. K. Bera, N. K. Chandiramani, 'Flutter Control of Bridge Deck Using Experimental Aeroderivatives and LQR-Driven Winglets', *ASCE J. Bridge Engineering*, 24(11), 04019100-1-13. doi: 10.1061/(ASCE)BE.1943-5592.0001467, 2019
6. K. K. Bera and N. K. Chandiramani, 'Bridge Deck Flutter Control using Winglets and Static Output Feedback', *ASME J. Dynamic Systems, Measurement, and Control*, 140(8), 081008-1-13, doi: 10.1115/1.4039190, 2018.
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9. G. B. Motra and N. K. Chandiramani, 'Control of MR Damper Connected Buildings by Output Feedback', *Int. J. Acoustics and Vibration* 19(4), 240-251, 2014
10. S. N. Deshmukh and N. K. Chandiramani, "LQR Control of Wind Excited Benchmark Building Using Variable Stiffness Tuned Mass Damper," *Shock and Vibration*, 2014, Article ID 156523, 12 pages, 2014. doi:10.1155/2014/156523.
11. N. K. Chandiramani and S. P. Purohit, 'Semi-active control using magnetorheological dampers with output feedback and distributed sensing', *Shock and Vibration*, 19, 1427-1443, 2012.
12. N. K. Chandiramani and S. P. Purohit, 'Instantaneous optimal control of seismic response using magnetorheological damping', *Int. J. Acoustics and Vibration*, 17(1), 4-13, 2012.
13. G. B. Motra, W. Mallik, and N. K. Chandiramani, 'Semiactive Vibration Control of Connected Buildings using Magnetorheological Dampers', *Journal of Intelligent Material Systems and Structures*, 22(16), 1811-1827, 2011. DOI: 10.1177/1045389X11412640.

14. S. P. Purohit and N. K. Chandiramani, 'Optimal static output feedback control of a building using a MR damper', **Structural Control and Health Monitoring**, 18, 852-868, 2011. DOI: 10.1002/stc.406.
15. N. K. Chandiramani, 'Active Control of a Piezo-composite Rotating Beam using Coupled Plant Dynamics', **J. Sound and Vibration**, 329, 2716-2737, 2010.
16. C. D. Shete, N. K. Chandiramani, and L. I. Librescu, 'Optimal Control of Pretwisted Shearable Smart Composite Rotor Blades', **Acta Mechanica**, 191, 37-58, 2007.
17. N. K. Chandiramani, 'Higher-periodic and Aperiodic Stick-slip Dynamics in a Friction Damper', **Int. J. Acoustics and Vibration**, 11(2), 67-78, 2006.
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20. N. K. Chandiramani, L. I. Librescu, V. Saxena, and A. Kumar, 'Optimal Vibration Control of a Rotating Composite Beam with Distributed Piezoelectric Sensing and Actuation', **Smart Materials and Structures**, 13, 2, 433-442, 2004.
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