

## LIST OF PUBLICATIONS

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### JOURNAL PUBLICATIONS

Implications of Inter-storey Isolation on Seismic Fragility, Loss and Resilience of buildings Subjected to Near Fault Ground Motions- **Saha, A** and Mishra, S. K., *Bulletin of Earthquake Engineering*, 20, 899-939 (2022)., Springer Nature.

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Synthesis of a Vector-valued Intensity Measure for Improved Prediction of Seismic Demands in Inter-Story-Isolated (ISI) Buildings subjected to Near Fault Ground Motions- **Saha, A** and Mishra, S. K., *Engineering structures*, 248, 113241 (2021). Elsevier B. V.

Amplification of seismic demands in inter-storey-isolated buildings subjected to near fault pulse type ground motions- **Saha, A** and Mishra, S. K. *Soil Dynamics and Earthquake Engineering*, 147, 106771 (2021). Elsevier B. V.

Adaptive Negative Stiffness Device based Nonconventional Tuned Mass Damper for Seismic Vibration Control of Tall Buildings- **Saha, A** and Mishra, S. K., *Soil Dynamics and Earthquake Engineering*, 126, 105767 (2021). Elsevier B. V.

Seismic protection of the benchmark highway bridge with passive hybrid control system- **Saha, A.**, Saha, P. and Patro, S. K., *Earthquakes and Structures*, 15(3); 227-241 (2018). Techno-press Journals.

Polynomial friction pendulum isolators (PFPIs) for seismic performance control of benchmark highway bridge- **Saha, A.**, Saha, P. and Patro, S. K., *Earthquake Engineering and Engineering Vibration*, 16(4), 827-840 (2017). Springer Nature.

Seismic response control of benchmark highway bridge using non-linear FV spring damper- **Saha, A.**, Saha, P. and Patro, S. K., *The IES Journal Part A: Civil & Structural Engineering*: 8(4); 240-250 (2015). Taylor and Francis  
Effect of forward directivity and non-forward directivity ground motions on the inter-story isolation system- **Saha, A** and Mishra, S. K., 17th World Conference on Earthquake Engineering, Japan, 2g-0231 (2020)

Seismic Response Mitigation of Structure by Negative Stiffness Devices via Mid-story Weakening- **Saha, A** and Mishra, S. K., *Advances in Structural Vibrations, Lecture notes in Mechanical Engineering*, 223-231 (2021), Springer Nature Singapore.

Effect of forward directivity and non-forward directivity ground motions on the inter-story isolation system- **Saha, A** and Mishra, S. K., 17th World Conference on Earthquake Engineering, Japan, 2g-0231 (2020).

Seismic performance of inter-story isolation system under near fault motions- Saha A, Pandey, D. K. and Mishra, S. K., 16th Symposium on Earthquake Engineering, Paper no 399 (2018), Indian Institute of Technology Roorkee.

A New Implementation for Tuning Liquid Damper to Short Period Structure for Controlling Seismic Response: Experimental study- Pandey, D. K., **Saha, A.** and Mishra, S.K., 16th Symposium on Earthquake Engineering, Paper no 313 (2018), Indian Institute of Technology Roorkee.

Seismic response control of benchmark highway bridge using semi active hybrid control system- **Saha, A.** and Saha, P., 13th International Conference on Vibration Problems, Paper no 160 (2017), Indian Institute of Technology Guwahati.