

## Dr. Naveed Ahmad

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### Biography

Dr. Naveed Ahmad obtained his Ph.D. in Structural & Earthquake Engineering from the ROSE School, IUSS Pavia, and presently involved in research that focuses on the seismic vulnerability assessment, retrofitting, and seismic design of structures. Dr. Naveed extensively uses shake-table and quasi-static cyclic test facilities for experimental studies, develop simplified finite element modeling techniques for nonlinear static pushover and response history analysis of structures, and probabilistic methods for risk assessment and loss estimation. Dr. Naveed is a member of the Pakistan Engineering Council's core group for Seismic Building Code, a member of the European Association of Earthquake Engineering (EAEE) and the EERI, USA. Dr. Naveed is the recipient of the Higher Education Commission's Outstanding Research Award-2012 for the best paper. Dr. Naveed served as an external examiner for Ph.D. viva of the postgraduate student in Civil Engineering at the National University of Ireland, Galway, and serving as an advisor to KP Public Service Commission of Pakistan in assisting KP PSC in the oral examination for Sub-Divisional Officer (Civil)/Inspector Factories (Technical) in C&W Deptt., LG&RD Deptt., and Labour Deptt.

### Publications

1. Akbar, J., **Ahmad, N.** and Alam, B. [2020]. Forthcoming. "Response modification factor of haunch retrofitted reinforced concrete frames", *ASCE Journal of Performance of Constructed Facilities*. DOI: 10.1061/(ASCE)CF.1943-5509.0001525 (Accepted)
2. **Ahmad, N.** and Masoudi, M. [2020] "Eccentric steel brace retrofit for seismic upgrading of deficient reinforced concrete frames", *Bulletin of Earthquake Engineering*, Vol. 18(6), pp. 2807-2841. DOI: <https://doi.org/10.1007/s10518-020-00808-0>
3. Akbar, J., **Ahmad, N.**, Rizwan, M., Javed, S. and Alam, B. [2020] "Response modification factor of RC frames strengthening with RC haunches", *Shock and Vibration*, Vol. 2020, Article ID 3835015, pages 18. DOI: <https://doi.org/10.1155/2020/3835015>
4. Khan, M.A., Akhtar, K., **Ahmad, N.**, Shah, F. and Khattak, N. [2020] "Vibration analysis of a damaged and undamaged steel structure systems: cantilever column

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  9. **Ahmad, N.**, Rizwan, M., Ali, Q. and Khan, A.N. [2020] “Static force-based seismic analysis of reinforced concrete frames having weaker beam-column joints”, *European Journal of Environmental and Civil Engineering*, DOI: 10.1080/19648189.2020.1739142
  10. Hanif Ullah, **Ahmad, N.**, Rizwan, M. [2020] "Shake table tests on frame built in crumb rubber concrete", *Advances in Structural Engineering*, Vol. 23(10), pp. 2003-2017. <https://doi.org/10.1177/1369433220906933>
  11. Rizwan, M., **Ahmad, N.**, Khan, A.N., Fahad, M., Qazi, S. and Akbar, J. [2020] "Shake table investigation on code non-compliant reinforced concrete frames", *AEJ–Alexandria Engineering Journal*, Vol. 59(1), pp. 349-367. <https://doi.org/10.1016/j.aej.2019.12.047>
  12. Akbar, J., **Ahmad, N.** and Alam, B. [2020] "Shake table tests on haunch retrofitted reinforced concrete frames", *NED University Journal of Research–Structural Mechanics*, Vol. 3 (Special Issue), pp. 233-240. URL: <https://doi.org/10.35453/NEDJR-STMECH-2019-0034>
  13. **Ahmad, N.**, Shakeel, H. and Masoudi, M. [2019] “Design and development of low-cost HDRBs seismic isolation of structures”, *Bulletin of Earthquake Engineering*, Vol. 18(3), pp. 1107-1138.
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## **Books**

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2. Rizwan, M., **Ahmad, N.**, Khan, A.N. (2019) Seismic Performance Assessment of Structures. ***LAP Lambert Academic Publishing, Germany.***
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