

Publications in International Conferences

1. Goyal, P.K. and Datta, T.K. "A Method for Preliminary Estimate of Vulnerability of Rural Houses to Cyclonic Wind", 4th International Conference on Structural Stability and Dynamics, organized by Texas A&M University at MNIT, Jaipur, January 4-6' 2012.
2. Banik, A.K. and Datta, T.K. "Stochastic Response and Stability Analysis of Two-Point Mooring System", 30th International Conference on Ocean, Offshore and Arctic Engineering, ASME, Rotterdam, June 19-24' 2011, pp. 549-558.
3. Goyal, P.K. and Datta, T.K. "Probabilistic Cyclonic Microzonation using Cyclone Track", 13th International Conference on Wind Engineering, Amsterdam, July 10-15' 2011.
4. Khan, R. A. and Datta, T.K. "Effect of Soil-Structure Interaction on Seismic Risk Analysis of Harp Type Cable Stayed Bridge", First International Conference on Advances in Interaction and Multi-scale Mechanics, Seogwipo, Korea, May 30-June 3' 2010.
5. Rao, M.M. and Datta, T.K. "Modal Seismic Control of Building Frames using ANN", 14th World Conference on Earthquake Engineering, Beijing, 2008.
6. Khan, R.A. and Datta, T.K. "Risk Analysis of Harp Type Cable Stayed Bridge under Earthquake Forces", 14th World Conference on Earthquake Engineering, Beijing, 2008.
7. Das, D., Datta, T.K. and Madan, A. "Semi Active Control of Structures using MR Damper", 14th World Conference on Earthquake Engineering, Beijing, 2008.
8. Rao, M.M. and Datta, T.K. "Neuro-Modal Seismic Controller for Building Frames, IX th Canadian Conference on Earthquake Engineering, Ottawa, 2007.
9. Kumar, D. and Datta, T.K., "Stochastic Response of Articulated Leg Platform in Probability Domain", 5th International conference on computational stochastic mechanics, Rhodes, Greece, June 20-23' 2006.
10. Khan, R.A., Datta, T.K. and Ahmad, S., "Seismic Fragility of Fan Type Cable Stayed Bridge", ICCOSAR, Rome, Italy, June' 2005.
11. Rao, M.M. and Datta, T.K. "ANN Control of Multi Story Building Frames Using Multimode Response Control", Proc. 13th World Conference on Earthquake Engineering, Vancouver Canada, 2004.
12. Khan, R. and Datta, T.K. "Reliability Analysis of Cable Stayed Bridge for Random Ground Motion", Proc. 13th World Conference on Earthquake Engineering, Vancouver Canada, 2004.
13. Banik, A.K. and Datta, T.K. "Stochastic Response and Stability Analysis of Single Leg Articulated Tower, Proc. 22nd OMAE, Cancun, Mexico, 2003.
14. Banik, A.K. and Datta T.K. "Nonlinear Dynamics of a Two Point Mooring System", Proc. 8th International Conference on Recent Advances in Structural Dynamics, Southampton, U.K., 2003.
15. Bharadwaj, M.K. and Datta, T.K. "Optimization of Damper Parameters of Semiactively controlled Building Frames Using Fuzzy Logic", Proc. 8th International conference on Recent Advances in Structural Dynamics, Southampton, U.K., 2003.
16. Khan, R. and Datta, T.K. "Risk Analysis of Cable Stayed Bridge Under Seismic Forces", Proc. 8th International conference on Recent Advances in Structural Dynamics, Southampton, U.K., 2003.
17. Khan, R. and Datta, T.K. "First Passage Failure of Cable Stayed Bridge Under Random Ground Motion", Proc. 9th International Conference on Application of Statistics & Probability in Civil Engineering, California, USA, 2003.
18. Pourzeynali, S. and Datta, T.K. "Reliability Analysis of Suspension Bridges Against Buffeting Failure", Proc. 6th International Conference on Civil Engineering, Isfahan, Iran, 2003.
19. Datta, T.K. and Pourzeynali, S. "Reliability Against First Passage Failure of Suspension Bridges for Random Wind Forces", Proc. 11th International Conference on Wind Engineering, Lubbock,

Houston, USA, 2003.

20. Datta, T.K. and Pourzeynali, S. "Pole placement control of Suspension Bridge Flutter", Proc. 11th International Conference on Wind Engineering, Lubbock, Houston, USA, 2003.
21. Pourzeynali, S. and Datta, T.K. "Response of Suspension Bridges to Aero Dynamic Excitation", Proc. Second International Conference on Structural Stability and Dynamics, Singapore, Dec. 2002.
22. Rao, M.M. and Datta, T.K. "Predictive Active Control of Single Mode Response of Building Frames Using ANN", Transactions, SmiRT 16, Washington DC, 2001.
23. Bhardwaj, M.M. and Datta, T.K. "Sensitivity Analysis of Actively Controlled Buildings Under Seismic Excitation", Transactions, SmiRT 16, Washington DC, 2001.
24. Naqvi, T., Datta, T.K. and Ramana, G.V. "Seismic Risk Analysis of Steel Frames", Transactions, SmiRT 16, Washington DC, 2001.
25. Naqvi, T., Datta, T.K. and Ramana, G.V. "Seismic Risk Analysis of Concrete Building Frames", Proc. Eleventh International Conference on Structural Safety and Reliability, California, 2001.
26. Pourzeynali, S. and Datta, T.K. "Flutter Reliability Analysis of Suspension Bridges", Proc. Eleventh International Conference on Structural Safety and Reliability, California, 2001.
27. Naqvi, T., Ramana, G.V. and Datta, T.K. "Microzonation of a large city with respect to PGA and Safe Period of Buildings," Proc. Third International Conference on Seismology and Earthquake Engineering, Teheran, 1999.
28. Banerji P. and Datta T.K. "Integrity Monitoring of Offshore Structure Using Artificial Neural Nets", Proc. Offshore and Polar Engineering Conference, Honolulu, 1997.
29. Datta T.K. and Suneja B.P. "Linear Active Control of Articulated Tower", Proc. Int. Conf. on advances in Steel Structures, Hong-Kong, 1996.
30. Datta T.K., Singh S. and Gupta P. "Performance of Tuned Active Mass Damper in Controlling Seismic Response of Building Frames", Proc. 11th World Conference on Earthquake Engineering, Acapulco, Mexico, 1996.
31. Jangid R.S. and Datta T.K. "Seismic Reliability of Base Isolated Building Frame", Proc. 11th World Conference on Earthquake Engineering, Acapulco, Mexico, 1996.
32. Deoliya R. and Datta T.K. "Reliability Against First Passage Failure Of Antenna Towers due to Random Wind Forces", 9th International Conference on Wind Engineering, New Delhi, 1995.
33. Bose P.R. and Datta T.K. "3-D Response of Flexible Base Buildings due to Along Wind Forces", 9th International Conference on Wind Engineering, New Delhi, 1995.
34. Chatterji P.K., Datta T.K. and Surana C.S. "Dynamic Behavior of Suspension Bridges under Moving Vehicle", Proc. AFPC/SETRA, Deauville Conf., France, 1994.
35. Soliman H.O. and Datta T.K. "Analysis of Piping System for Non Stationary Support Excitation", Proc. 10th World Conference on Earthquake Engineering, Madrid, 1992.
36. Soliman H.O. and Datta T.K. "Seismic Response of above ground Pipelines", Proc. 1st International conference on Seismology and Earthquake Engineering, Tehran, 1991.
37. Hamzeh S. and Datta T.K. "Elastic Response of Torsionally Coupled System to Random Ground Motion", Proc. 1st Int. Conf. on Seismology and Earthquake Engineering, Tehran, 1991.
38. Hamzeh S. and Datta T.K. "Inelastic Response of Torsionally Coupled System to Non stationary Ground Motion", Proc. 1st Int. Conf. on Seismology and Earthquake Engineering, Tehran, 1991.
39. Jangid R.S. and Datta T.K. "Response of Base Isolated Building to Random Ground Motion", Proc. 1st Int. Conf. on Seismology and Earthquake Engineering, Tehran, 1991.
40. Soliman H.O. and Datta T.K. "Behavior of Multi-span Bridges to Partially Correlated Ground

Motion", Proc. of New Dimension in Bridges and Fly overs, Singapore, 1991.

41. Zare K. and Datta T.K. "Dynamic Response of Lazy-S Riser in random Sea", Offshore Technology Conference, Houston, USA, 1990
42. Asthana A.K. and Datta T.K. "Seismic response of 3D-Tall Buildings including Foundation Interaction", Proc. Structural Dynamics Symposium, Kuala Lumpur, Malaysia, 1989.
43. Bandey J.M, Soliman H.O. and Datta T.K. "Transverse Seismic Response of Overground Pipelines", Proc. Structural Dynamics Symposium, Kuala Lumpur, Malaysia, 1989.
44. Datta T.K. and Choudhary R.S. "Instability of Suspension Bridge due to Flutter", Proc. Structural Dynamics Symposium, Kuala Lumpur, Malaysia, 1989.
45. Bose P. and Datta T.K. "Parametric Studies on the Dynamic Response of 3D-Tall Buildings to Wind Forces", Proc. Structural Dynamics Symposium, Kuala Lumpur, Malaysia, 1989.
46. Datta T.K. and Jain A.K. "Low Frequency Behavior of Articulated Towers", Proc. Offshore Mechanics and Arctic Engg. Conference, ASME, Haugue, 1989.
47. Datta T.K. and Mashaly E.A. "Seismic Response of Suspended Spans of Submarine pipeline", Proc. Offshore Mechanics and Arctic Eng. Conference, ASME, USA, 1988.
48. Zare K. and Datta T.K. "Vibration of Lazy "S" Risers Due to Vortex Shedding Under Lock-in", OTC 5795, Offshore Technology Conference, Houston, USA, 1988.
49. Ahmad S. and Datta T.K. "Parametric Study on Dynamic Behavior of Marine Risers", Proc. Ocean Structural Dynamics Symposium, Corvallis, USA, 1988.
50. Datta T.K. and Jain A.K. "Along Wind Response of Articulated Towers", Proc. Ocean Structural Dynamics Symposium, Corvallis, USA, 1988.
51. Ahmad S. and Datta T.K. "Seismic Response of Marine Risers", Proc. Offshore Mechanics and Arctic Engineering, ASME, Houston, USA, 1987.
52. Mashaly E.A. and Datta T.K. "Parametric Studies on the Seismic Response of Buried Pipelines" Proc. Fifth Canadian Conference on Earthquake Engineering, Ottawa, Canada, 1987.
53. Jain A.K. and Datta T.K. "Stochastic Response of Articulated Towers", Proc. Deep Offshore Technology Conference, Monte Carlo, 1987.
54. Datta T.K., Jain A.K. and Ramdasi S. "Surge Response of TLP under Regular Wave", Proc. Ocean Structural Dynamics Symposium, Corvallis, USA, 1986.
55. Datta T.K. "Durability of Concrete in Ocean Environment", Second Int. Conf. on Concrete Technology for Developing Countries, Tripoli, Libya, 1986.
56. Jain A.K. and Datta T.K. "Stochastic Response of Guyed Towers under Current and Wave Loading", Proc. Energy Resource Technology Conference, ASME, New Orleans, USA, 1986.
57. Asthana A.K. and Datta T.K. "Earthquake Analysis of 3-D Tall Buildings", Proc. Int. Conf. on Tall Buildings, Singapore, 1984.
58. Datta T.K. "Effect of Nonlinear Random Wave Forces on the Response History of Offshore Structures", Proc. Offshore Mech. and Arctic Engg. Conference, ASME, Houston, USA, 1983.