K. Kageyama, H. Murayama, I. Ohsawa, M. Kanai, K. Nagata, Y. Machijima, and F. Matsumura, “Acoustic emission monitoring of a reinforced concrete structure by applying new fiber-optic sensors,” *Smart Mater. Struc.*, vol. 14, no. 3, pp. S52–S59, Jun. 2005.

Ian Read, Peter Foote and Stuart Murray. “Optical Fiber Acoustic Emission Sensor for Damage Detection in Carbon Fiber Composite Structure,”Meas. Sci. Technol. 13 (2002) N5–N9

Analysis Loren D. Enochson and Allan G. Piersol. “Application of Fast Fourier Transform Procedures to Shock and Vibration Data,” Measurement Analysis Corp. 1967

PETER HEALEY. “Statistics of Rayleigh Backscatter from a single mode fiber,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. COM-35, NO. 2, FEBRUARY 1987

Abdollah Malekjafarian, Patrick J. McGetrick, and Eugene J. OBrien. “A Review of Indirect Bridge Monitoring Using Passing Vehicles Shock and Vibration Volume 2015, Article ID 286139, 16 pages

Y.-B. Yang, C. W. Lin, and J. D. Yau, “Extracting bridge frequencies from the dynamic response of a passing vehicle,” Journal of Sound and Vibration, vol. 272, no. 3-5, pp. 471–493, 2004.

P. Carden and P. Fanning, “Vibration based condition monitoring: a review,” Structural Health Monitoring, vol. 3, no. 4, pp. 355–377, 2004.

X. Q. Zhu and S. S. Law, “Wavelet-based crack identification of bridge beam from operational deflection time history,” International Journal of Solids and Structures, vol. 43, no. 7-8, pp. 2299–2317, 2006

A.K. Pandey, M. Biswas, and M. M. Samman, “Damage detection from changes in curvature mode shapes,” Journal of Sound and Vibration, vol. 145, no. 2, pp. 321–332, 1991.

Huang, K.-H R. "Experimental evaluation of fundamental frequencies of building. M.Eng. Thesis, Department of Civil Engineering and Applied Mechanics, McGill University, Montreal, Quebec, Canada (2007).

Ivanovic, S. S., Trifunac M. D. and Todorovska, M. I. Ambient vibration tests of structures- a review. ISET journal of Earthquake Technology, Paper 407; 37(4): 165-197. (2000).

M. Mucciarelli, M. Vona, R. Ditommaso Università della Basilicata, Potenza, Italy Trauth, M. H. "Experimental measurement of fundamental periods of damaged R.C. buildings *MATLAB recipes for earth sciences." 2nd Ed.* Springer (2007)

Zivanovic, S., Pavic, A. and Reynolds, P." *Modal testing and FE model tuning of a lively footbridge structure."* Engineering Structures (2006). pp28, Elsevier Ltd.; 857-868.

Rainer, J. H. and Van Selst, A. (1976). "*Dynamic properties of the Lion's Gate suspension bridge."* Proceedings of ASCE/EMD Specialty Conference on Dynamic Response of Structures, University of California, Los Angeles, USA; 243-252.

Iwasaki, T., Penzien, J. and Clough, R. (1972). *Literature survey – Seismic effects on highway bridges.* EERC report 72-11, Berkley, USA.

Donovan, Terry (Jul 2011), Optical Time Domain Reflectometer (OTDR) Data Format, Telcordia (Ericsson Inc), retrieved 15 April 2015

Cheung K P and Auston D H A 1986 Novel technique for measuring far-infrared absorption and dispersion Infrared Phys. 26 23

Vibration monitoring of long bridges and their expansion joints and seismic devices (2015). Kleidi Islami *mageba SA, Department of SHM, Solistrasse 68, 8180 Bülach, Switzerland* DOI: 10.1051/

Wei Fan and Pizhong Qiao Vibration-based Damage Identification Methods: A Review and Comparative Study DOI: 10.1177/1475921710365419 *Structural Health Monitoring* 2011 10: 83 originally published online 20 April 2010

Abdollah Malekjafarian, Patrick J. McGetrick and Eugene J. OBrien. "A Review of Indirect Bridge Monitoring Using Passing Vehicles."Shock and Vibration Volume 2015, Article ID 286139, 16 pages

J. W. Nicholson. "Dispersion Compensating Raman Amplifiers With Pump Reflectors for Increased Efficiency," *OSA*JOURNAL OF LIGHTWAVE TECHNOLOGY, VOL. 21, NO. 8, AUGUST 2003

Arden Reisham Pradeep Heerah (2009). "Field Investigation of Fundamental Frequency of Bridges Using Ambient Vibration Measurements" http://digitool.library. mcgill.ca/thesisfile86936.pdf

Le Nguyen Binh Optical Fiber Communication Systems with MATLAB and Simulink Models press (20014)

Jia-Ming Liu, Photonic Devices March 2006 Optics and Lasers in Engineering DOI: 10.1016/j.optlaseng.2006.01.005

Anna Richelli,(2016) "EMI Susceptibility Issue in Analog Front-End for Sensor Applications "Journal of Sensor Volume 2016, Article ID 1082454, 9 pages http://dx.doi.org/10.1155/2016/1082454