

REFERENCES:

[01] Brito .J.de. ,Branco.F.A , and Ibanez.M, “A Knowledge-Based Concrete Bridge Inspection System”, Concrete International , February 1994,Vol 16, pp.59-69.

[02] Dias.W.P.S., and Jeyanandana A. D. C., “Condition Assessment of a deteriorated Cement Works”, Journal of Performance of Constructed Facilities © ASCE, November 2003, pp.188.

[03] Road Development Authority, “Visual Road Condition Surveys Guidelines”, Planning Division, March 2008.

[04] Najib Metni and Tarek Hamel , “A UAV for bridge inspection: Visual servoing control law with orientation limits”, [www.elsevier.com/locate/ autcon](http://www.elsevier.com/locate/autcon), December 2006.

[05]Hamel.T, Mahony. R, “Visual servoing of under-actuated dynamic rigid body system: An image space approach”, 39th Conference on Decision and Control, 2000



Electronic Theses & Dissertations

www.lib.mrt.ac.lk

[06] Hutchinson. S, Hager .D and Cake. P, “A tutorial on visual servo control”, IEEE Trans. Robot, Autom. 12 (1996).

[07] Je-Keun Oh, Giho Jang, Semin Oh , Jeong Ho Lee , Byung-Ju Yi , Young Shik Moon ,Jong Seh Lee and Youngjin Choi, “Bridge inspection robot system with machine vision”, [www.elsevier.com/locate/ autcon](http://www.elsevier.com/locate/autcon), 2009.

[08] Kai-yuenWong, King- leung Man, and Wai-yee, “Real-Time Kinematic Spans the Gap”, GPS World, July 2001.

[09] Glenn Washer, Federal Highway Administration, United States Department of Transportation, Turner Fairbank Highway Research Center, McLean and VA 22101, “Nondestructive Evaluation For Highway Bridges In The United States”, International Symposium (NDT- CE 2003)

[10] Farhad Ansari,Ying Bao,Sue McNeil,Adam Tennant,Ming Wang and Laxmana Reddy Rapol “Evaluation of Bridge Inspection and Assessment in Illinois” Manual,

Illinois Transportation Research Centre and Illinois Department of Transportation, Project IVD- H1 , Fy 00/01, Report No: ITRC FR 00/01- 3 , December 2003.

[11] Ohio Department of Transportation, “Manual of Bridge Inspection” Manual , November 2006.

[12] Minnesota Department of transportation, “Bridge Inspection Manual” Manual , April 2008.

[13] Texas Department of Transportation, “ Bridge Inspection manual” Manual , July 2002.

[14] Fred Moses, “Bridge Capacity Assessment and Control of posting, permit and legal vehicle loads”, Bridge Management, Inspection maintenance assessment & repair, J.E Harding, G.A.R. Parke & M.J. Ryall, 1994, pp 405.

[15] Santos.J., Nuenus.C., Fernandes.C, and Varum.H, “Common pathologies in RC bridge structures: a statistical analysis”, Electronic Journal of Structural Engineering, 2007.

[16] Saptarshi Sasmal and Ramanjaneyulu.K., “Condition evaluation of existing reinforced concrete bridges using fuzzy based analytic hierarchy approach” www.Elsevier.com/ocate/eswa, 2008.

[17] Brown, C. B., and Yao, J. T. P.,” Fuzzy sets and Structural Engineering”, Journal of Structural Engineering, 109(5), 1983, pp1211–1235.

[18] Boender, C. G. E., de Graan J. G., and Lootsma, F. A. “Multicriteria decision analysis with fuzzy pair-wise comparisons”, Fuzzy Sets and Systems, 1989, pp 133–143,

[19] Kaufmann. A.and Gupta, M. M., “Introduction to fuzzy arithmetic, theory and applications.” New York: Van Nostrand Reinhold, 1985.

[20] Liang M. T., Wu, J. H., and Liang C. H., “Multiple layer fuzzy evaluation for existing reinforced concrete bridges”, Journal of Infrastructure System, 2001 , 7(4), pp 144–159.

[21] Connor. A.O and Ib Enevoldsen, “Probability based modelling and assessment of an existing post-tensioned concrete slab bridge”, Engineering Structures 30 ,2008, pp1408-1416

- [22] Jensen F.M, Knudsen .A, Enevoldsen .I, Stoltzner .E. In: Ryall M.J, Parke G.A.R, and Harding J.E, “Probabilistic-based bridge management implemented at Skovdiget West Bridge” Bridge management, Vol. 4, Thomas Telford, 2002,pp 223-230.
- [23] Hyung and seop Shim, “Condition Assessment of Bridge Elements Using Field Tests”, KSCE journal of civil Engineering Vol.8 No-3, May 2004, pp 307-312.
- [24] Melchers.R,“Structural reliability analysis and prediction” 2nd ed. Wiley,1999.
- [25] Madsen H.O, Krenk .S and Lind NC. “Methods of structural safety”, Prentice-Hall,1986.
- [26] Ditlevsen.O and Madsen H.O, “Structural reliability methods” John Wiley,1996.
- [27] Zongbao Liang, Weimin Chen, Yumei Fu and Yong Zhu, “Structural Safety Assessment of Bridge By Integration of Wavelet and D-S Evidential Theory”, IJCSNS International Journal of Computer Science and Network Security, Vol.6 No.7A, July 2006.
- [28] Hua.X.L.,“Non-linearity analysis of bridge structures”,People’s communication publication, Beijing of China. 1997, pp 6-10.
- [29] Yam L.H., Yan Y.J., and Jiang J.S.,”Vibration-based damage detection for composite structures using wavelet transform and neural network identification”, Composite structure, 2003, pp 43-412
- [30] Glenn Washer, Federal Highway Administration, United States Department of Transportation, Turner Fairbank Highway Research Center, McLean and VA 22101, “Nondestructive Evaluation For Highway Bridges In The United States”, International Symposium (NDT- CE 2003)
- [31] Ming-Te Liang, Jai-He Wu, and Chih-Hsin Liang, “Multiple Layer Fuzzy Evaluation for Existing Reinforced Concrete Bridges” Journal of Infrastructure Systems, December 2001.
- [32] Aktan, A. E., et al. “Condition assessment for bridge management.” J.Infrastruct.Sys., ASCE, 2(3), 1996 , pp108–117.
- [33] Ying-Ming Wang and Taha M.S. Elhag, “Evidential reasoning approach for bridge condition assessment” www.elsevier.com/locate/eswa, Expert Systems with Applications 34, 2008, pp 689–699.
- [34] Lojze Bevc, Slovenian National Building and Civil Engineering Institute (ZAG)Brigitte Mahut, Laboratoire Central des Ponts et Chaussées (LCPC) Knut Grefstad, and Norwegian Public Roads Administration (NPRA), “Review of Current Practice for Assessment of Structural Condition and Classification of Defects” , March 1999.

[35] Middleton.C.R.,“ Concrete Bridge Assessment”, Bridge Surveyor Conference, U, March 1998.

[36] Clark,L.A.” Collapse Analysis of Short-to-Medium Span Concrete Bridges”, Contractor's Report CRR 528/577/124, TRRL, Crowthorne, 1984.

[37] BS5400 Steel, concrete and composite bridges—Part 4: Code of practice for design of concrete bridges, London, British Standards Institution, 1990

[38] BD21/01 (2001),”The Assessment of Highway Bridges and Structures”, Highways Agency, HMSO, London

[39] BD44/95 (1995) The Assessment of Concrete Highway Bridges and Structures, Highways Agency, HMSO, London



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk