

## List of external reports and papers generated from EEFIT missions

### General

Booth, ED et al., EEFIT: the UK Earthquake Engineering Field Investigation Team. Proceedings of the Institution of Civil Engineers: Forensic Engineering. Vol 164 Iss FE3, August 2011 pp117-123

[www.forensicengineeringjournal.com](http://www.forensicengineeringjournal.com)

Spence R (2010) Archiving and reassessing earthquake impact data. Proceedings of 14th European Conference on Earthquake Engineering, Ohrid, Macedonia. Paper 236

<http://www.dist.unina.it/proc/2010/14ECEE/Data/PDF/236.pdf>

### Tohoku Japan earthquake of 10 March 2011

Katsuichiro Goda, Antonios Pomonis, Siau Chen Chian, Mark Offord, Keiko Saito, and Peter Sammonds.

Ground Motion Characteristics and Shaking Damage of the 11<sup>th</sup> March 2011  $M_w$ 9.0 Tohoku Earthquake. Bulletin of earthquake Engineering (In Press)

Stuart Fraser, Alison Raby, Antonios Pomonis, Katsuichiro Goda, Siau Chen Chian, Joshua Macabuag, Mark Offord, Keiko Saito, and Peter Sammonds. Tsunami damage to coastal defences and buildings in the March 11<sup>th</sup> 2011  $M_w$ 9.0 Tōhoku earthquake and tsunami. Bulletin of earthquake Engineering (In Press)

### Haiti earthquake of 12 January 2010

Madhabushi, G, Booth E and Saito K (2011). The Haiti earthquake of 2010. Bulletin of Earthquake Engineering (in preparation). [http://www.springerlink.com/content/1570-761x/preprint/?sort=p\\_OnlineDate&sortorder=desc&o=10](http://www.springerlink.com/content/1570-761x/preprint/?sort=p_OnlineDate&sortorder=desc&o=10)

Booth E.D, Saito K, Spence R, Madabhushi G and Eguchi R. (2011). Validating assessments of seismic damage made from remote sensing. Earthquake Spectra, Special edition on Haiti earthquake, in press.

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Madabhushi, S.P.G., Saito, K. and Booth, E., (2011), Post-earthquake field mission to Haiti, Proc. 9<sup>th</sup> Pacific Conference on Earthquake Engineering, Vol.1, pp 181-186, Auckland, New Zealand <http://db.nzsee.org.nz/2011/183.pdf>

Corban, C, Saito, K., Dell'Oro, L., Gill, S., Piard, Huyck, C., Kemper, T., Lemoine, G., Spence, R., Krishnan, R., Bjorgo, E., Senegas, O., Ghesquiere, F., Lallemand, D., Evans, Gartley, Toro, Ghosh, S., Svekla, W., Adams., B, Eguchi, R., (2011). A comprehensive analysis of building damage in the January 12, 2010 Mw7 Haiti earthquake using high-resolution satellite and aerial imagery. Special issue on the Haiti Earthquake, Photogrammetric Engineering and Remote Sensing, in press.

[ftp://ftp.ecn.purdue.edu/jshan/000000\\_special\\_issue/25Corbane/WB-UNOSAT-EC%20Haiti%20Paper%20Final%205-2-11.pdf](ftp://ftp.ecn.purdue.edu/jshan/000000_special_issue/25Corbane/WB-UNOSAT-EC%20Haiti%20Paper%20Final%205-2-11.pdf)

Clasen C, Rossetto T and Adams B (2011) A comparative study of the 2010 Haiti earthquake damage using a proposed semi automated methodology and community remote sensing method. American Society of Photogrammetric Engineering and Remote Sensing Special issue on Haiti (in press).

<http://sp.cege.ucl.ac.uk/MSc%20Projects/2009-2010/Remote%20Sensing%20-%20Clasen.pdf>

### **Padang Earthquake of 30 September 2009**

Chian, S.C., J. Whittle, R. Mulyani, J.E. Alarcon, S.M. Wilkinson (2010). Post earthquake field investigation of the Mw 7.69 Padang Earthquake of 30th September 2009. Proceedings of the 14 European Conference of Earthquake Engineering. Paper 1372.  
<http://www.dist.unina.it/proc/2010/14ECEE/Data/PDF/1372.pdf>

### **Aquila, Italy earthquake of 6 April 2009**

Rossetto, T., Peiris, N., Alarcon, J.E., So, E., Sargeant, S., Free, M., Sword-Daniels, V., Del Re, D., Libberton, C., Verrucci, E., Sammonds, P., and Faure Walker, J. (2011). Field observations from the Aquila, Italy earthquake of April 6, 2009. Bulletin of Earthquake Engineering, 9 (1): 11-37, DOI: 10.1007/s10518-010-9221-7  
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Alarcon, J.E., G. Franco, P. Bazzurro and M. Simic (2010). The L'Aquila (Abruzzo) earthquake of 6th April 2009 – Field survey and loss Estimations. Proceedings of the 14 European Conference of Earthquake Engineering. Paper 1420.  
<http://www.dist.unina.it/proc/2010/14ECEE/Data/PDF/1420.pdf>

### **Wenchuan, China Earthquake of 12 May 2008**

Zhao B, Taucer F, Rossetto T. Field Investigation on the Performance of Building Structures During the 12 May 2008 Wenchuan Earthquake in China. Engineering Structures 31 (8); 2009. p. 1707-1723. <http://www.sciencedirect.com/science/article/pii/S0141029609000947>

Zhao B, Taucer F. Performance of Infrastructure During the May 12, 2008 Wenchuan Earthquake in China. Journal of Earthquake Engineering 14 (4); 2010. p. 578-600  
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[http://www.iitk.ac.in/nicee/wcee/article/14\\_S31-037.PDF](http://www.iitk.ac.in/nicee/wcee/article/14_S31-037.PDF)

### **Pisco, Peru, earthquake of 15 August 2007**

Tavera, H., I. Bernal, F.O. Strasser, M. C. Arango-Gaviria, J. E. Alarcon and J. J. Bommer (2009). Ground motions observed during the 15 August 2007 Pisco, Peru, earthquake. Bulletin of Earthquake Engineering 7(1), 71-111  
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<http://www.springerlink.com/content/r085w11205440282/>

Alarcon J, So E, authors Taucer F, editor. [2007 August 15 Magnitude 7.9 Earthquake near the Coast of Central Peru.](#), EUR 23359 EN, Luxembourg, OPOCE; 2008. (see <http://elsa.jrc.ec.europa.eu/showmission.php?id=3>)

Alarcon, J.E., F. Taucer and E. So (2008). The 15 August 2007 Pisco, Peru, Earthquake – Post-Earthquake field survey. Proceedings of the 14<sup>th</sup> World Conference on Earthquake Engineering. Paper 01-1067  
[http://www.iitk.ac.in/nicee/wcee/article/14\\_01-1067.PDF](http://www.iitk.ac.in/nicee/wcee/article/14_01-1067.PDF)

### **Kashmir, Pakistan earthquake of 8 October 2005**

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### **Indian Ocean Tsunami of 26 December 2004**

T. Rossetto, N. Peiris, A. Pomonis, S. M. Wilkinson, D. Del Re, R. Koo, S. Gallocher. The Indian Ocean tsunami of December 26, 2004: Observations in Sri Lanka and Thailand. Nat Hazards DOI 10.1007/s11069-006-9064-3

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Allsop W, Rossetto T, Robinson D, Charvet I and Bazin PH (2008) - A unique tsunami generator for physical modelling of violent flows and their impact. Proceedings of the 14th World Conference on Earthquake Engineering, Beijing. Paper no. 15-00.

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### **Bhuj, India earthquake of 26 January 2001**

Madabhushi SPG and Haigh SK (2005) Performance of earth dams during the Bhuj Earthquake of 26th January 2001. Dams and Reservoirs 15(3): 14–24.

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Madabhushi, S.P.G. & Haigh, S.K., (2009) Effect of Superstructure Stiffness on Liquefaction-induced Failure Mechanisms. Journal of Geotechnical Earthquake Engineering 1(1) 70-87

### **Ji-Ji Taiwan earthquake of 21 September 1999**

Bhattacharya S, Bolton MD and Madabhushi SPG (2005) – A reconsideration of the safety of piled bridge foundations in liquefiable soils. Soils and Foundations 45(4): 13–26.

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### **Kocaeli, Turkey earthquake of 17 August 1999**

Brennan AJ and Madabhushi SPG (2002) Effectiveness of vertical drains in mitigation of liquefaction. International Journal of Soil Dynamics and Earthquake Engineering 22(9–12): 1059–1065.

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### **Northridge, California USA earthquake of 17 January 1994**

Daniell W and Madabhushi SPG (1995) Some aspects of the safety of dams and appurtenant structures during the Los Angeles earthquake. *Dams and Reservoirs* 5(1): 14–17.

Williams MS, Sexsmith RG (1997) Seismic assessment of concrete bridges using inelastic damage analysis. *Engineering Structures* 19(3): 208–216.

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### **Newcastle, Australia earthquake of 28 December 1989**

Chandler AM, Pappin JW and Coburn AW (1991) Vulnerability and seismic risk assessment of buildings following the 1989 Newcastle, Australia earthquake. *Bulletin of the New Zealand Society for Earthquake Engineering* 24(2): 116–138.

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### **San Salvador earthquake of 10 October 1986**

Bommer JJ and Ledbetter S (1987) The San Salvador earthquake of 10th October 1986. *Disasters* 11(2): 83–95.

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### **Mexico earthquake of 19 September 1985**

Heidebrecht AC, Henderson P, Naumoski N and Pappin JW (1990) Seismic response and design for structures located on soft clay sites. *Canadian Geotechnical Journal* 27(3): 330–341.

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