



**Professor R. Emre Erkmen**

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<http://www.uts.edu.au/staff/emre.erkmen>

<https://au.linkedin.com/in/emre-erkmen-62a8a84>

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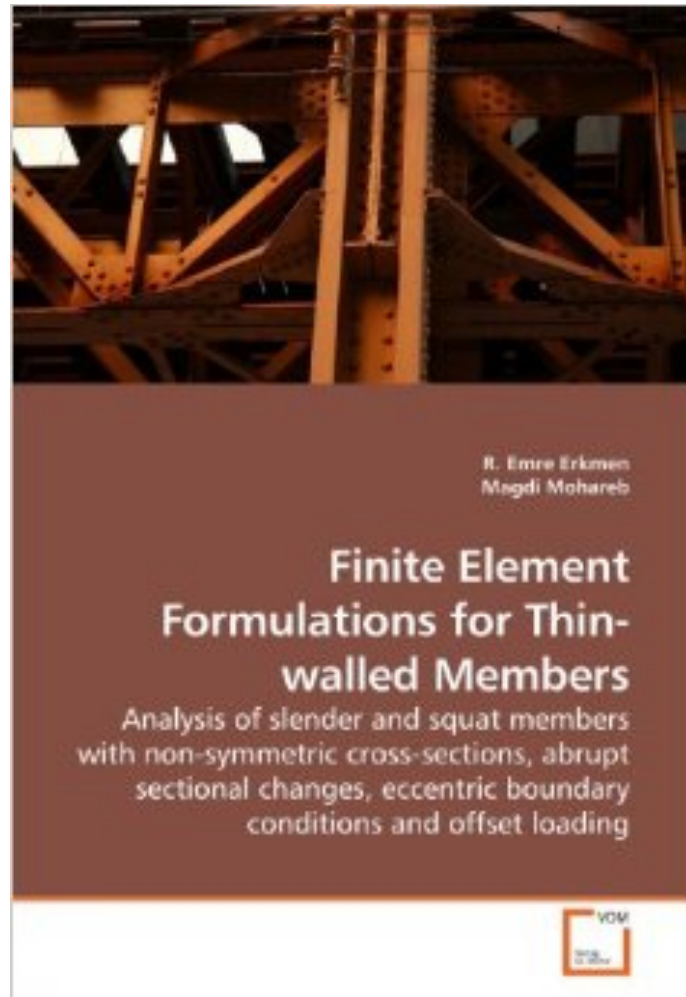
<http://uts.academia.edu/EmreErkmen>

School of Civil and Environmental Engineering  
University of Technology Sydney, Australia

#### **Selected Publications:**

##### **Book:**

Erkmen, RE and Mohareb, M (2009) Finite Element Formulations for Thin Walled Members, VDM Publishing, Saarbrücken, Germany, 344 pp



Erkmen, RE and Mohareb, M (2009) Finite Element Formulations for Thin Walled Members, VDM Publishing, Saarbrücken, Germany, 344 pp

### **Journal Articles:**

- R.E. Erkmen and M. Mohareb, "Nonorthogonal solution for thin-walled members – a finite element formulation, Canadian Journal of Civil Engineering, Vol. 33, No. 4, pp 421-439, 2006
- R. Emre Erkmen and Magdi Mohareb (Department of Civil Engineering, University of Ottawa, Ottawa, Ont., Canada K1N 6N5), "Buckling analysis of thin-walled open members—A complementary energy variational principle", Thin-Walled Structures, Vol. 46, No. 6, June 2008, pp. 602-617
- Erkmen RE, Mohareb M (2008) Buckling analysis of thin-walled open members—a finite element formulation. Thin-Walled Struct 46: 618–636
- R. Emre Erkmen and Mark A. Bradford, "Nonlinear elastic analysis of composite beams curved in-plan", Engineering Structures, Vol. 31, No. 7, pp 1613-1624, 2009
- R.E. Erkmen, M. Mohareb and M.A. Bradford, "Complementary energy based formulation for torsional buckling of columns", Journal of Engineering Mechanics, Vol. 1435, No. 12, pp 1420-1426, 2009
- Erkmen R.E., Attard M.M.: Nonlinear In-Plane Analysis of Shear-Deformable Shallow Circular Arches. The University of New South Wales, Sydney (2010)
- R.E. Erkmen, M.M. Attard, Lateral–torsional buckling analysis of thin-walled beams including shear and pre-buckling deformation effects, Int. J. Mech. Sci. 53 (2011) 918–925.
- R.E. Erkmen and M.A. Bradford, "Treatment of slip locking for displacement-based finite element analysis of composite beam-columns", International Journal for Numerical Methods in Engineering, Vol. 85, No. 7, pp 805-826, 2011
- Erkmen RE, Bradford MA (2011) Coupling of finite element and meshfree methods for locking-free analysis of shear deformable beams and plates. Eng Comput 28: 1003–1027
- R. Emre Erkmen, "Bridging multi-scale approach to consider the effects of local deformations in the analysis of thin-walled members", Computational Mechanics, Vol. 52, No. 1, pp 65-79, July 2013
- R.E. Erkmen, "Shear deformable hybrid finite-element formulation for buckling analysis of thin-walled members", Finite Elements in Analysis and Design, Vol. 82, pp 32-45, 2014